

FUJIFILM X Series/GFX System

# **Digital Camera Control Software Development Kit**

**1.34**

## **API Reference**

**Revision 1.34.0.0**

**Nov. 7, 2025**

**FUJIFILM Corporation**

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**Revision History**

Revision	Date	Description
1.20.0.0	Mar. 18, 2021	● Initial release compatible with: FUJIFILM X-T3, X-T4, X-Pro3, GFX 50S, GFX 50R, GFX100, and GFX100S.
1.21.0.0	Jun. 24, 2021	● Adds support for FUJIFILM X-S10 (firmware version 2.00 or later).
1.22.0.0	Sep. 16, 2021	● Adds support for FUJIFILM GFX50S II
1.23.0.1	Jun. 30, 2022	● Adds support for FUJIFILM X-H2S
1.24.0.0	Sep. 8, 2022	● Adds support for FUJIFILM X-H2
1.25.0.0	Nov. 2, 2022	● Adds support for FUJIFILM X-T5
1.27.0.0	Apr. 26, 2023	● Adds support for FUJIFILM X-S20
1.28.0.0	Sep.12, 2023	● Adds support for FUJIFILM GFX100 II
1.29.0.0	Feb.20, 2024	● Adds support for FUJIFILM GFX100S II
1.31.0.0	Oct.1, 2024	● Adds support for FUJIFILM X-M5 ● Add APIs for movie control
1.32.0.0	Jan.23, 2025	● Adds support for Linux ● Adds support for Android OS
1.33.0.0	Mar.20, 2025	● Adds support for FUJIFILM GFX100RF
1.34.0.0	Nov.7, 2025	● Adds support for FUJIFILM GFX ETERNA 55

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## 1. **Introduction**

This software development kit (SDK) is for FUJIFILM GFX & X Series digital cameras. It provides functions for controlling cameras from Windows PC and Mac computers, including:

- adjusting camera shooting conditions,
- operating the camera shutter-release, AF lock button, and other controls, and
- transferring taken images from the camera to the computer.

This SDK does not offer features for converting RAW files to other formats.

It provides C language interfaces for controlling FUJIFILM digital cameras that support tethered shooting.

A limited selections of GFX & X Series cameras are supported.

### 1.1. **Compatible Operating Systems**

#### 1.1.1. **Windows**

Windows	
OS	Windows 7(x86/x64), Windows 8.1(x86/x64), Windows 10(x86/x64), and Windows 11 with the latest Service Pack. (All testing performed under Japanese versions of Windows)
CPU	Intel CPUs
Interface	USB (for direct connections between cameras and computers), TCP/IP (only for models that support Wi Fi tethering)
Programs	32 bit libraries / 64 bit libraries
Development Environment	Microsoft Visual Studio 2017 (Visual C++)
Maximum number of cameras	4 simultaneous connections

To load the SDK library “XAPI.dll”, call LoadLibrary() function and then call GetProcAddress() to get pointers to exported API functions. All related DLLs (FTLPTP.dll, FF0001API.dll, ...) should be in the same folder as “XAPI.dll”.

When you finish using the SDK, call FreeLibrary() to unload the library.

### 1.1.2. macOS

The macOS version of the SDK is provided in “bundle” libraries and “dylib” libraries.

macOS	
OS	macOS Sierra (10.12), High Sierra (10.13), Mojave (10.14), Catalina (10.15), Big Sur (11), Monterey(12), Ventura(13), Sonoma(14), Sequoia (15), and Tahoe(26). <b><i>macOS 10.15.2 is NOT supported.</i></b> (All testing was performed in Japanese operating environments.)
Interface	USB (for direct connections between cameras and computers), TCP/IP (only for models that support Wi Fi tethering)
Programs	64 bit libraries (Universal 2)
Development Environment	Xcode
Maximum number of cameras	4 simultaneous connections

All dylib libraries (FTLPTP.dylib, and FTLPTPIP.dylib) have to be in the “Resources” folder of the application. To place all related bundle libraries (FF0001API.bundle, ...) in the “Resources” folder is recommended.

The libraries are signed by Fujifilm. Please set the "Signing" > "Enable Hardened Runtime" to "Yes", and then check the "Disable Library Validation" in the "Hardened Runtime" > "runtime Exceptions" for your project at the XCode.

### 1.1.3. Linux

Linux	
OS	Ubuntu 22.04.5 LTS 64bit (x64) RaspberryPi OS 32bit (ARMv7) RaspberryPi OS 64bit (ARMv8)
Interface	USB (for direct connections between cameras and computers), TCP/IP (only for models that support Wi Fi tethering)
Programs	32 bit libraries for ARMv7/ 64 bit libraries for ARMv8
Dependency	libusb-1.0.27
Maximum number of cameras	4 simultaneous connections

To load the SDK library “XAPI.so”, call `dlopen()` function and then call `dlsym()` to get pointers to exported API functions. All related so libraries (FTLPTP.so, FF0001API.so, ...) should be in the same folder as “XAPI.so”.

When you finish using the SDK, call `dlclose()` to unload the library.

If you would not like to specify absolute paths of the libraries, you have to proper `LD_LIBRARY_PATH` prior to load libraries.

#### 1.1.4. Android

Android	
OS	Android11 Android12 Android13 Android14 Android15 (All testing was performed in Japanese operating environments.)
Interface	USB (for direct connections between cameras and computers),
Programs	64 bit libraries
Development Environment	Android Studio (Android SDK : Android Studio Hedgehog   2023.1.1 Patch 2)
Maximum number of cameras	1 simultaneous connections

To use the SDK libraries, please follow the Android NDK manner.

Place SDK libraries in the jniLibs folder.

Add a JNI wrapper library to the project by placing C++ wrapper code and make file in the cpp folder.

JNI C++ wrapper functions have to be named following the manner below:

Java\_(package name)\_(class name)\_(method name)

Load the wrapper so library to use the SDK from Kotlin/Java application code.

## 1.2. Supported Cameras

FUJIFILM X-T3

FUJIFILM X-T4

FUJIFILM GFX 50S (firmware version 1.00, or 1.01, USB connections ONLY)

FUJIFILM X-Pro3

FUJIFILM GFX 50R

FUJIFILM GFX 100

FUJIFILM GFX100S

FUJIFILM X-S10 (firmware version 2.00 or later)

FUJIFILM GFX50S II

FUJIFILM X-H2S

FUJIFILM X-H2

FUJIFILM X-T5

FUJIFILM X-S20

FUJIFILM GFX100 II

FUJIFILM GFX100S II

FUJIFILM X-M5

FUJIFILM GFX100RF

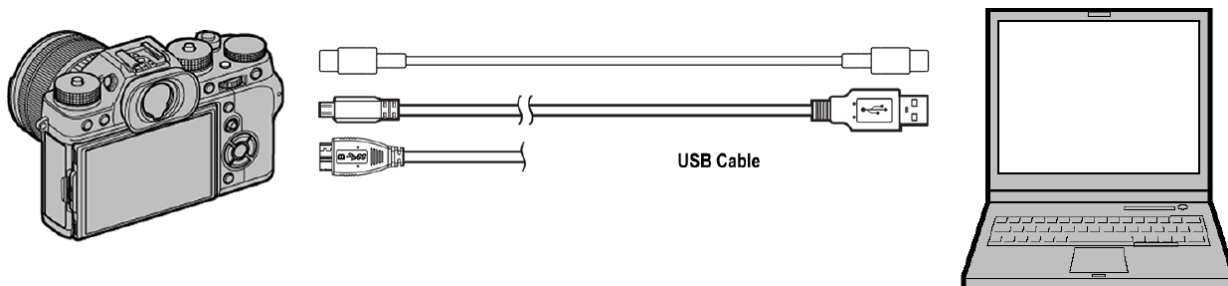
FUJIFILM GFX ETERNA 55 \*1

Please upgrade the camera with the latest firmware. The firmware is available from:

<https://fujifilm-x.com/support/download/firmware/cameras/>

### 1.2.1. USB Connection Support

All SDK-compatible models support tethered shooting control via USB connections.

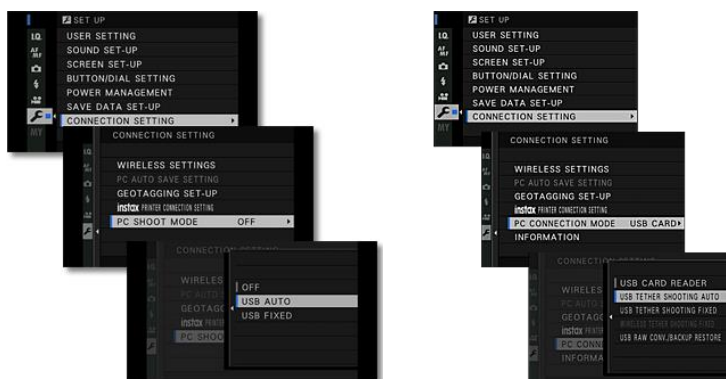


### Readvig the Camera

Following the instructions in the camera Owner's Manual or New Feature Guide, choose a "tethered" connection mode

<sup>1</sup> Since the GFX ETERNA 55 is the filmmaking camera, the behavior for computer connected operation is totally different from other cameras. Please understand that there are limitations, such as the possibility that certain controls described in this manual may not be available, and that some mandatory commands may not be supported.

such as PC SHOOT AUTO, USB AUTO, or USB TETHER SHOOTING AUTO.

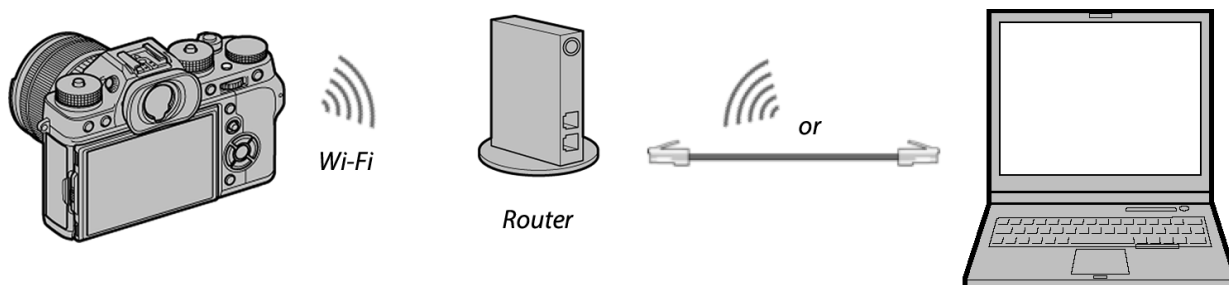


In case of X-H2S, choose “USB TETHER SHOOTING AUTO” from “NETWORK/USB SETTING MENU > SELECT CONNECTION SETTING”.

In the case of GFX ETERNA 55, since the USB connection for tethered control is always available, it does not have specific menus to set the tethered control mode. You can start tetherd control just connecting a camera to a computer via a USB cable.

### 1.2.2. Wi-Fi Connection Support

Cameras other than GFX 50S firmware version 1.00 or 1.01, can be connected via Wi-Fi networks instead of via USB cable.



#### Readying the Camera

[X-H2S, X-H2, X-T5 and X-S20]

**Please refer to the “Manual(Network and USB Settings)” of the model to setup a Wi-Fi connection environment.**

eg. For X-H2S, FUJIFILM X-H2S Manual(Network and USB Settings)

[Other models]

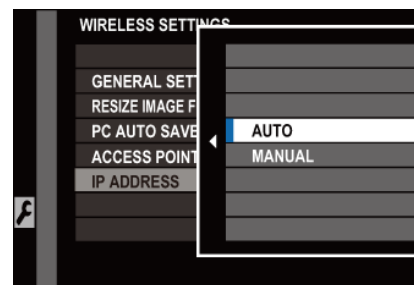
1. Specify how the camera is assigned an IP address.

Select **AUTO** or **MANUAL** for

- **CONNECTION SETTING > WIRELESS SETTINGS > IP ADDRESS**, or
- **CONNECTION SETTING > NETWORK SETTING > WIRELESS IP ADDRESS SETTING**

(menu options vary with the firmware version).

If you chose **MANUAL**, specify an IP address (**IP ADDRESS**), network mask (**NETMASK**), and gateway address (**GATEWAY ADDRESS**) manually.



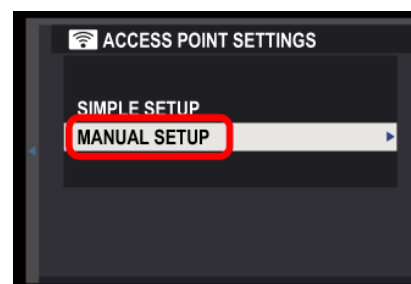
## 2. Specify the Access Point

Select **SIMPLE SETUP** or **MANUAL** for

- **CONNECTION SETTING > WIRELESS SETTINGS > ACCESS POINT SETTINGS**, or
- **CONNECTION SETTING > NETWORK SETTING > WIRELESS ACCESS POINT SETTING**

(menu options vary with the firmware version).

And then follow the on-screen instructions to specify an access point.



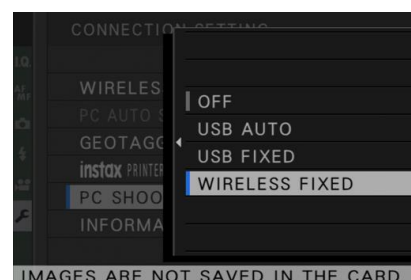
## 3. Choose a WIRELESS FIXED (or WIRELESS TETHER SHOOTING FIXED).

In the camera menus,

- chose **CONNECTION SETTING > PC SHOOT MODE** and choose **WIRELESS FIXED**, or
- select **CONNECTION SETTING > PC CONNECTION MODE** and choose **WIRELESS TETHER SHOOTING FIXED**

(menu options vary with the firmware version).

The camera will connect to the Wi-Fi access point.



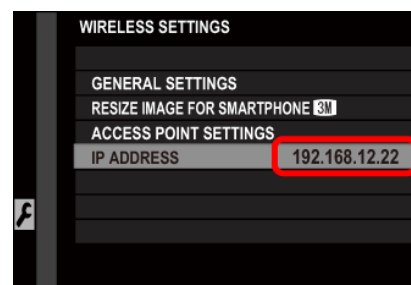
## 4. Check the IP Address of the camera

When the camera and computer are on different networks, go to **CONNECTION SETTING > WIRELESS SETTINGS > IP ADDRESS**, or

**CONNECTION SETTING > INFORMATION**

(menu options vary with the firmware version) in the camera menus, check the camera's IP address.









Specifying the IP address onto your application software on the computer makes communications available.



### Camera Status Monitoring

During wireless tethered photography, the camera indicator lamp shows camera status as follows.



Indicator Lamp	Status
Blinking in red 	Blinking in red describes “searching for the access point”.
Blinking in orange 	Blinking in orange describes “awaiting a connection from tethered shooting software”.
Blinking in green 	Blinking in green describes “ready for tethered shooting”.
Red with red flashes (red) 	Blinking in red describes “searching for the access point”. Lighting in red describes “images awaiting upload”. As a result, the LED lights in red always.
Red with blinking in orange 	Blinking in orange describes “awaiting a connection from tethered shooting software”. Lighting in red describes “images awaiting upload”. As a result, the LED brinks in orange and red.
Red with blinking in green 	Blinking in green describes “ready for tethered shooting”. Lighting in red describes “images awaiting upload”. As a result, the LED brinks in green and red.
Green 	Subject in focus.
Flashes in green 	Focus or exposure warning.

### 1.3. Limitations

#### The SDK PROHIBITS:

- multiple simultaneous calls to SDK functions from a single process (SDK function calls should be safely controlled using lock mechanisms such as CriticalSection or Mutex), and
- multiple simultaneous calls to SDK functions from multiple processes.

### 1.4. Redistributable Files

#### 1.4.1. Windows Version (32 bit libraries)

Redistributable files	Version
REDISTRIBUTABLES\WINDOWS\32bit\FTLPTP.dll	3.3.3.0
REDISTRIBUTABLES\WINDOWS\32bit\FTLPTPIP.dll	1.3.2.3
REDISTRIBUTABLES\WINDOWS\32bit\XAPI.dll	1.17.0.0
REDISTRIBUTABLES\WINDOWS\32bit\XSDK.dat	-
REDISTRIBUTABLES\WINDOWS\32bit\FF0000API.dll	1.1.0.0
REDISTRIBUTABLES\WINDOWS\32bit\FF0001API.dll	1.3.0.2
REDISTRIBUTABLES\WINDOWS\32bit\FF0002API.dll	1.3.0.0
REDISTRIBUTABLES\WINDOWS\32bit\FF0003API.dll	1.4.0.0
REDISTRIBUTABLES\WINDOWS\32bit\FF0004API.dll	1.0.0.0
REDISTRIBUTABLES\WINDOWS\32bit\FF0005API.dll	1.1.0.0
REDISTRIBUTABLES\WINDOWS\32bit\FF0006API.dll	1.2.0.0
REDISTRIBUTABLES\WINDOWS\32bit\FF0007API.dll	1.1.0.0
REDISTRIBUTABLES\WINDOWS\32bit\FF0008API.dll	1.3.0.0
REDISTRIBUTABLES\WINDOWS\32bit\FF0009API.dll	1.0.0.3
REDISTRIBUTABLES\WINDOWS\32bit\FF0010API.dll	1.0.0.1
REDISTRIBUTABLES\WINDOWS\32bit\FF0011API.dll	1.0.0.5
REDISTRIBUTABLES\WINDOWS\32bit\FF0012API.dll	1.0.0.1
REDISTRIBUTABLES\WINDOWS\32bit\FF0013API.dll	1.0.0.1
REDISTRIBUTABLES\WINDOWS\32bit\FF0014API.dll	1.2.1.0
REDISTRIBUTABLES\WINDOWS\32bit\FF0015API.dll	1.2.1.0
REDISTRIBUTABLES\WINDOWS\32bit\FF0016API.dll	1.1.1.0
REDISTRIBUTABLES\WINDOWS\32bit\FF0017API.dll	1.1.1.0
REDISTRIBUTABLES\WINDOWS\32bit\FF0018API.dll	1.1.1.0
REDISTRIBUTABLES\WINDOWS\32bit\FF0019API.dll	1.1.1.0
REDISTRIBUTABLES\WINDOWS\32bit\FF0020API.dll	1.0.1.0
REDISTRIBUTABLES\WINDOWS\32bit\FF0021API.dll	1.0.0.5
REDISTRIBUTABLES\WINDOWS\32bit\FF0022API.dll	1.0.0.0

**1.4.1. Windows Version (64 bit libraries)**

Redistributable files	Version
REDISTRIBUTABLES¥WINDOWS¥64bit¥FTLPTP.dll	3.3.3.0
REDISTRIBUTABLES¥WINDOWS¥64bit¥FTLPTPIP.dll	1.3.2.3
REDISTRIBUTABLES¥WINDOWS¥64bit¥XAPI.dll	1.17.0.0
REDISTRIBUTABLES¥WINDOWS¥64bit¥XSDK.dat	-
REDISTRIBUTABLES¥WINDOWS¥64bit¥FF0000API.dll	1.1.0.0
REDISTRIBUTABLES¥WINDOWS¥64bit¥FF0001API.dll	1.3.0.2
REDISTRIBUTABLES¥WINDOWS¥64bit¥FF0002API.dll	1.3.0.0
REDISTRIBUTABLES¥WINDOWS¥64bit¥FF0003API.dll	1.4.0.0
REDISTRIBUTABLES¥WINDOWS¥64bit¥FF0004API.dll	1.0.0.0
REDISTRIBUTABLES¥WINDOWS¥64bit¥FF0005API.dll	1.1.0.0
REDISTRIBUTABLES¥WINDOWS¥64bit¥FF0006API.dll	1.2.0.0
REDISTRIBUTABLES¥WINDOWS¥64bit¥FF0007API.dll	1.1.0.0
REDISTRIBUTABLES¥WINDOWS¥64bit¥FF0008API.dll	1.3.0.0
REDISTRIBUTABLES¥WINDOWS¥64bit¥FF0009API.dll	1.0.0.3
REDISTRIBUTABLES¥WINDOWS¥64bit¥FF0010API.dll	1.0.0.1
REDISTRIBUTABLES¥WINDOWS¥64bit¥FF0011API.dll	1.0.0.5
REDISTRIBUTABLES¥WINDOWS¥64bit¥FF0012API.dll	1.0.0.1
REDISTRIBUTABLES¥WINDOWS¥64bit¥FF0013API.dll	1.0.0.1
REDISTRIBUTABLES¥WINDOWS¥64bit¥FF0014API.dll	1.2.1.0
REDISTRIBUTABLES¥WINDOWS¥64bit¥FF0015API.dll	1.2.1.0
REDISTRIBUTABLES¥WINDOWS¥64bit¥FF0016API.dll	1.1.1.0
REDISTRIBUTABLES¥WINDOWS¥64bit¥FF0017API.dll	1.1.1.0
REDISTRIBUTABLES¥WINDOWS¥64bit¥FF0018API.dll	1.1.1.0
REDISTRIBUTABLES¥WINDOWS¥64bit¥FF0019API.dll	1.1.1.0
REDISTRIBUTABLES¥WINDOWS¥64bit¥FF0020API.dll	1.0.1.0
REDISTRIBUTABLES¥WINDOWS¥64bit¥FF0021API.dll	1.0.0.5
REDISTRIBUTABLES¥WINDOWS¥64bit¥FF0022API.dll	1.0.0.0

## 1.4.2. macOS Version

Redistributable files	Version
REDISTRIBUTABLES/macOS/SDK_13300.zip	-
<b>FTLPTP.dylib</b>	3.3.3.0
<b>FTLPTPIP.dylib</b>	1.3.2.3
<b>XAPI.bundle</b>	1.17.0.0
<b>XSDK.DAT</b>	-
<b>FF0000API.bundle</b>	1.1.0.0
<b>FF0001API.bundle</b>	1.3.0.2
<b>FF0002API.bundle</b>	1.3.0.0
<b>FF0003API.bundle</b>	1.4.0.0
<b>FF0004API.bundle</b>	1.0.0.0
<b>FF0005API.bundle</b>	1.1.0.0
<b>FF0006API.bundle</b>	1.2.0.0
<b>FF0007API.bundle</b>	1.1.0.0
<b>FF0008API.bundle</b>	1.3.0.0
<b>FF0009API.bundle</b>	1.0.0.3
<b>FF0010API.bundle</b>	1.0.0.1
<b>FF0011API.bundle</b>	1.0.0.5
<b>FF0012API.bundle</b>	1.0.0.1
<b>FF0013API.bundle</b>	1.0.0.1
<b>FF0014API.bundle</b>	1.2.1.0
<b>FF0015API.bundle</b>	1.2.1.0
<b>FF0016API.bundle</b>	1.1.1.0
<b>FF0017API.bundle</b>	1.1.1.0
<b>FF0018API.bundle</b>	1.1.1.0
<b>FF0019API.bundle</b>	1.1.1.0
<b>FF0020API.bundle</b>	1.0.1.0
<b>FF0021API.bundle</b>	1.0.0.5
<b>FF0022API.bundle</b>	1.0.0.0

**1.4.1. Linux Version (Linux® 64bit (ARMv8)))**

Redistributable files	Version
REDISTRIBUTABLES/Linux64ARMv8/	-
<b>FTLPTP.so</b>	1.0.0.0
<b>FTLPTPIP.so</b>	1.0.0.0
<b>XAPI.so</b>	1.17.0.0
<b>XSDK.DAT</b>	-
<b>FF0000API.so</b>	1.1.0.0
<b>FF0001API.so</b>	1.3.0.2
<b>FF0002API.so</b>	1.3.0.0
<b>FF0003API.so</b>	1.4.0.0
<b>FF0004API.so</b>	1.0.0.0
<b>FF0005API.so</b>	1.1.0.0
<b>FF0006API.so</b>	1.2.0.0
<b>FF0007API.so</b>	1.1.0.0
<b>FF0008API.so</b>	1.3.0.0
<b>FF0009API.so</b>	1.0.0.3
<b>FF0010API.so</b>	1.0.0.1
<b>FF0011API.so</b>	1.0.0.5
<b>FF0012API.so</b>	1.0.0.1
<b>FF0013API.so</b>	1.0.0.1
<b>FF0014API.so</b>	1.2.1.0
<b>FF0015API.so</b>	1.2.1.0
<b>FF0016API.so</b>	1.1.1.0
<b>FF0017API.so</b>	1.1.1.0
<b>FF0018API.so</b>	1.1.1.0
<b>FF0019API.so</b>	1.1.1.0
<b>FF0020API.so</b>	1.0.1.0
<b>FF0021API.so</b>	1.0.0.5
<b>FF0022API.so</b>	1.0.0.0

**1.4.2. Linux Version (Linux® 32bit (ARMv7))**

Redistributable files	Version
REDISTRIBUTABLES/Linux32ARMv7/	-
<b>FTLPTP.so</b>	1.0.0.0
<b>FTLPTPIP.so</b>	1.0.0.0
<b>XAPI.so</b>	1.17.0.0
<b>XSDK.DAT</b>	-
<b>FF0000API.so</b>	1.1.0.0
<b>FF0001API.so</b>	1.3.0.2
<b>FF0002API.so</b>	1.3.0.0
<b>FF0003API.so</b>	1.4.0.0
<b>FF0004API.so</b>	1.0.0.0
<b>FF0005API.so</b>	1.1.0.0
<b>FF0006API.so</b>	1.2.0.0
<b>FF0007API.so</b>	1.1.0.0
<b>FF0008API.so</b>	1.3.0.0
<b>FF0009API.so</b>	1.0.0.3
<b>FF0010API.so</b>	1.0.0.1
<b>FF0011API.so</b>	1.0.0.5
<b>FF0012API.so</b>	1.0.0.1
<b>FF0013API.so</b>	1.0.0.1
<b>FF0014API.so</b>	1.2.1.0
<b>FF0015API.so</b>	1.2.1.0
<b>FF0016API.so</b>	1.1.1.0
<b>FF0017API.so</b>	1.1.1.0
<b>FF0018API.so</b>	1.1.1.0
<b>FF0019API.so</b>	1.1.1.0
<b>FF0020API.so</b>	1.0.1.0
<b>FF0021API.so</b>	1.0.0.5
<b>FF0022API.so</b>	1.0.0.0

**1.4.3. Linux Version (Linux® 64bit (x64))**

Redistributable files	Version
REDISTRIBUTABLES/Linux64PC/	-
<b>FTLPTP.so</b>	1.0.0.0
<b>FTLPTPIP.so</b>	1.0.0.0
<b>XAPI.so</b>	1.17.0.0
<b>XSDK.DAT</b>	-
<b>FF0000API.so</b>	1.1.0.0
<b>FF0001API.so</b>	1.3.0.2
<b>FF0002API.so</b>	1.3.0.0
<b>FF0003API.so</b>	1.4.0.0
<b>FF0004API.so</b>	1.0.0.0
<b>FF0005API.so</b>	1.1.0.0
<b>FF0006API.so</b>	1.2.0.0
<b>FF0007API.so</b>	1.1.0.0
<b>FF0008API.so</b>	1.3.0.0
<b>FF0009API.so</b>	1.0.0.3
<b>FF0010API.so</b>	1.0.0.1
<b>FF0011API.so</b>	1.0.0.5
<b>FF0012API.so</b>	1.0.0.1
<b>FF0013API.so</b>	1.0.0.1
<b>FF0014API.so</b>	1.2.1.0
<b>FF0015API.so</b>	1.2.1.0
<b>FF0016API.so</b>	1.1.1.0
<b>FF0017API.so</b>	1.1.1.0
<b>FF0018API.so</b>	1.1.1.0
<b>FF0019API.so</b>	1.1.1.0
<b>FF0020API.so</b>	1.0.1.0
<b>FF0021API.so</b>	1.0.0.5
<b>FF0022API.so</b>	1.0.0.0

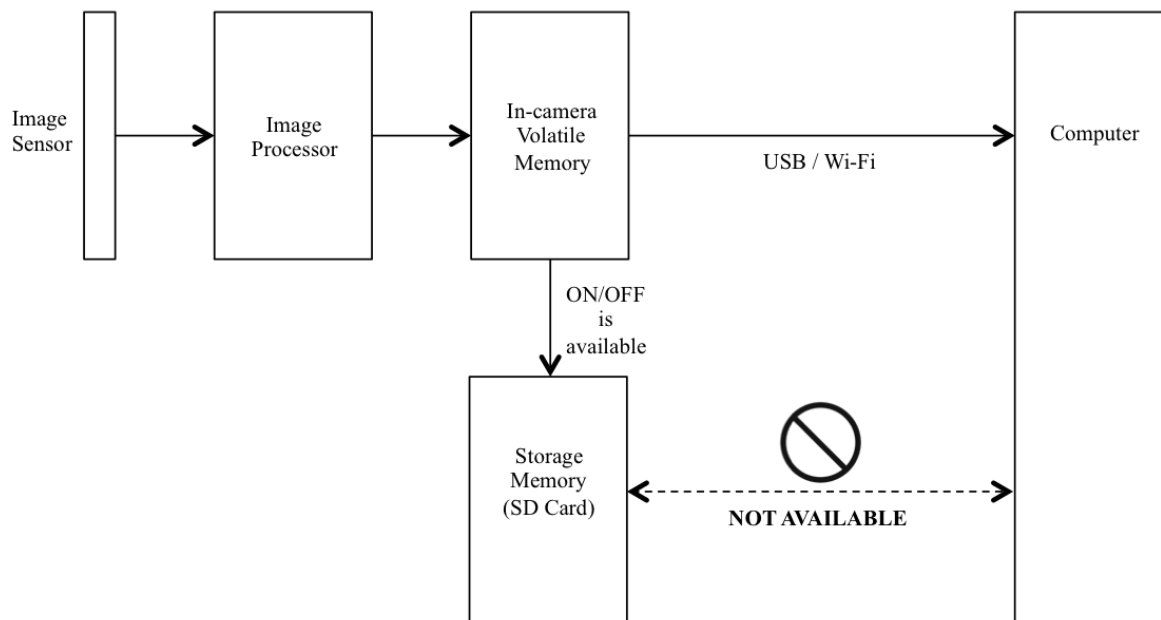
## 1.4.4. Android Version

Redistributable files	Version
REDISTRIBUTABLES/Android/arm64-v8a/	-
<b>FTLPTP.so</b>	1.0.0.0
<b>XAPI.so</b>	1.17.0.0
<b>FF0000API.so</b>	1.1.0.0
<b>FF0001API.so</b>	1.3.0.2
<b>FF0002API.so</b>	1.3.0.0
<b>FF0003API.so</b>	1.4.0.0
<b>FF0004API.so</b>	1.0.0.0
<b>FF0005API.so</b>	1.1.0.0
<b>FF0006API.so</b>	1.2.0.0
<b>FF0007API.so</b>	1.1.0.0
<b>FF0008API.so</b>	1.3.0.0
<b>FF0009API.so</b>	1.0.0.3
<b>FF0010API.so</b>	1.0.0.1
<b>FF0011API.so</b>	1.0.0.5
<b>FF0012API.so</b>	1.0.0.1
<b>FF0013API.so</b>	1.0.0.1
<b>FF0014API.so</b>	1.2.1.0
<b>FF0015API.so</b>	1.2.1.0
<b>FF0016API.so</b>	1.1.1.0
<b>FF0017API.so</b>	1.1.1.0
<b>FF0018API.so</b>	1.1.1.0
<b>FF0019API.so</b>	1.1.1.0
<b>FF0020API.so</b>	1.0.1.0
<b>FF0021API.so</b>	1.0.0.5
<b>FF0022API.so</b>	1.0.0.0
REDISTRIBUTABLES/Android/armeabi-v7a/	-
<b>FTLPTP.so</b>	1.0.0.0
<b>XAPI.so</b>	1.16.0.3
<b>FF0000API.so</b>	1.1.0.0
<b>FF0001API.so</b>	1.3.0.2
<b>FF0002API.so</b>	1.3.0.0
<b>FF0003API.so</b>	1.4.0.0
<b>FF0004API.so</b>	1.0.0.0
<b>FF0005API.so</b>	1.1.0.0

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<b>FF0006API.so</b>	1.2.0.0
<b>FF0007API.so</b>	1.1.0.0
<b>FF0008API.so</b>	1.3.0.0
<b>FF0009API.so</b>	1.0.0.3
<b>FF0010API.so</b>	1.0.0.1
<b>FF0011API.so</b>	1.0.0.5
<b>FF0012API.so</b>	1.0.0.1
<b>FF0013API.so</b>	1.0.0.1
<b>FF0014API.so</b>	1.2.1.0
<b>FF0015API.so</b>	1.2.1.0
<b>FF0016API.so</b>	1.1.1.0
<b>FF0017API.so</b>	1.1.1.0
<b>FF0018API.so</b>	1.1.1.0
<b>FF0019API.so</b>	1.1.1.0
<b>FF0020API.so</b>	1.0.1.0
<b>FF0021API.so</b>	1.0.0.5
<b>FF0022API.so</b>	1.0.0.0

### 1.5. Storage Model



All cameras that support still image tethered shooting have in-camera volatile storage for data transfer. All images taken in tethered shooting mode are saved to this in-camera volatile storage. An SDK API is available to automatically copy the images from the in-camera volatile storage to the SD memory card. Files and other data on the memory card cannot be accessed via the SDK API interface in tethered shooting modes.

In the case of GFX ETERNA 55, since the camera does not have still image shooting features, the in-camera volatile memory is not available.

### 1.6. Basic Policies for X/GFX Camera Behavior

GFX & X series cameras are designed for hierarchical settings. The topmost is the “OPERATION MODE (SHOOTING/PLAYBACK)”.



The next is the “MODE (P/A/S/M/C1/C2/.../MOVIE/...)”. Some models feature separate “P/S/A/M/C1/...” dial and “MOVIE/STILL” switch.

Some models do not have the dial or the switch, but the policy still exists.



The third level in the settings hierarchy is “DRIVE MODE”.

The MOVIE mode may be categorized in the DRIVE MODE, if the camera does not have MODE dial.



The figure below describes it in detail.

OPERATION MODE							
SHOOTING							PLAYBACK
MODE							
P	S	A	M	C	MOVIE		
DRIVE MODE							
Single	Single	Single	Single	Single	4K 16:9 29.97 100M	SINGLE	
CL	CL	CL	CL	CL	FHD 16:9 29.97 100M		
CH	CH	CH	CH	CH	DCI 16:9 29.97 100M		
BKT	BKT	BKT	BKT	BKT	...		
PIXEL SHIFT	PIXEL SHIFT	PIXEL SHIFT	PIXEL SHIFT	PIXEL SHIFT	...	PIXEL SHIFT	
...	...	...	...	...	...	MOVIE	
EXPOSURE MODE							
P	S	A	M	P	P		
				S	S		
				A	A		
				M	M		

In addition to the policies described above, GFX & X series cameras feature a policy for tethered shooting. The physical dial or switch positions take precedence over electronic (software) settings.

### **1.7. Camera Priority Mode / PC Priority Mode**

To support legacy models(FUJIFILM X-T3, FUJIFILM X-T4, FUJIFILM GFX 50S (firmware version 1.00, or 1.01, USB connections ONLY), FUJIFILM X-Pro3, FUJIFILM GFX 50R, FUJIFILM GFX 100, FUJIFILM GFX100S FUJIFILM X-S10 (firmware version 2.00 or later), FUJIFILM GFX50S II), the SDK offers a choice of “Camera Priority” and “PC Priority” modes that determine whether photographs are taken using camera or computer controls.

In “Camera Priority” mode, users hold the camera or mount it on a tripod and adjust settings on the camera itself. Taken images are transferred to the computer as they are taken for displaying in the computer monitor or saving onto computer disks. Exposure and other settings are adjusted using the controls on the camera. The shutter is also released using the release button on the camera.

In “PC Priority” mode, users can check the view-finder image or the LCD image from the computer. They also can check and adjust camera settings remotely from the computer. Taken images are transferred to the computer as they are taken for displaying in the computer monitor or saving onto computer disks. Exposure and other shooting settings are adjusted remotely using the SDK APIs from the computer. The shutter is also released remotely using the SDK APIs from the computer.

When the camera is powered on , the default mode selected is “Camera Priority”.

For recent models, the PC Priority Mode is available only for compatibility. You don’t need to use the PC Priority Mode. In the case of GFX ETERNA 55, only the Camera Priority Mode is available.

### **1.8. Controls related to movie recording**

The control related to movie recording are available only in the Camera Priority Mode

The DRIVE MODE have to be set to MOVIE MODE.

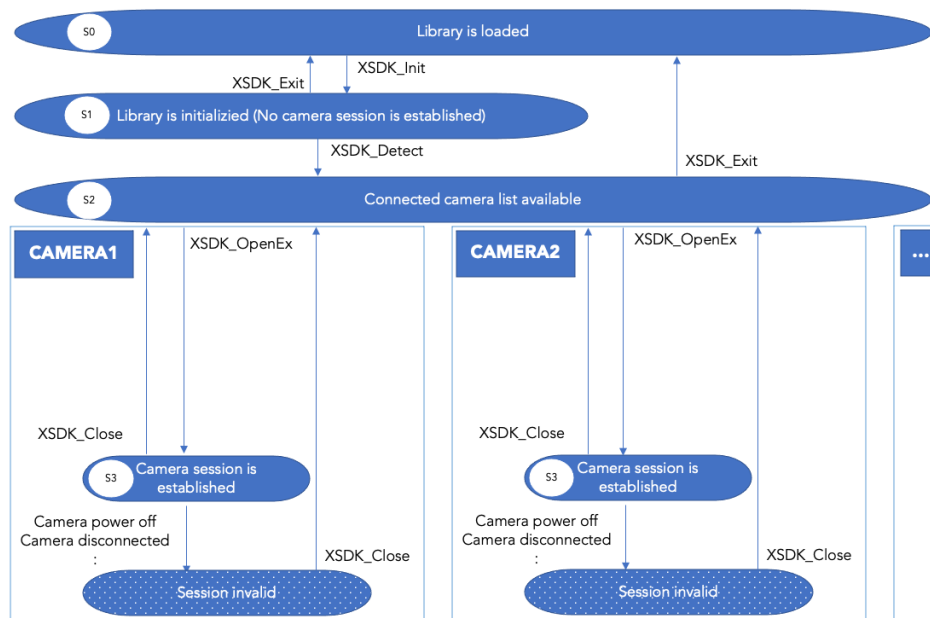
The DRIVE MODE can be set via the SDK for some models. Please refer to the XSDK\_CapDriveMode API in detail.

Ther Ⓢ(movie recording) button feture is not covered by these features.

Please note that some settings have defferent settings for still imaging shooting and for movie recording, and note that icon in the camera menu.



## 2. State Diagram



State	State name	Description
S0	Loaded	The SDK library is loaded.
S1	Initialized	The SDK has been initialized and is ready to use.
S2	Detected	Available cameras are listed into the SDK's internal table.
S3	Session	A specified camera can be controlled.

3. API Overview

API functions are classified as either “COMMON” (mandatory functions) and “MODEL DEPENDENT” (optional functions).

The “COMMON APIs” can be used with all compatible cameras in the same manner.

The “MODEL DEPENDENT APIs” supported differ with the camera model. The parameters of “MODEL DEPENDENT APIs” are also differ with the camera model.

Despite the above description, the GFX ETERNA 55 does not support some “COMMON” (mandatory functions) APIs. Please understand that the GFX ETERNA 55 does not follow the “COMMON”/ “MODEL DEPENDENT” rules described in this manual. Please refer to the following "COMMON APIs (Mandatory Functions)" section in detail.

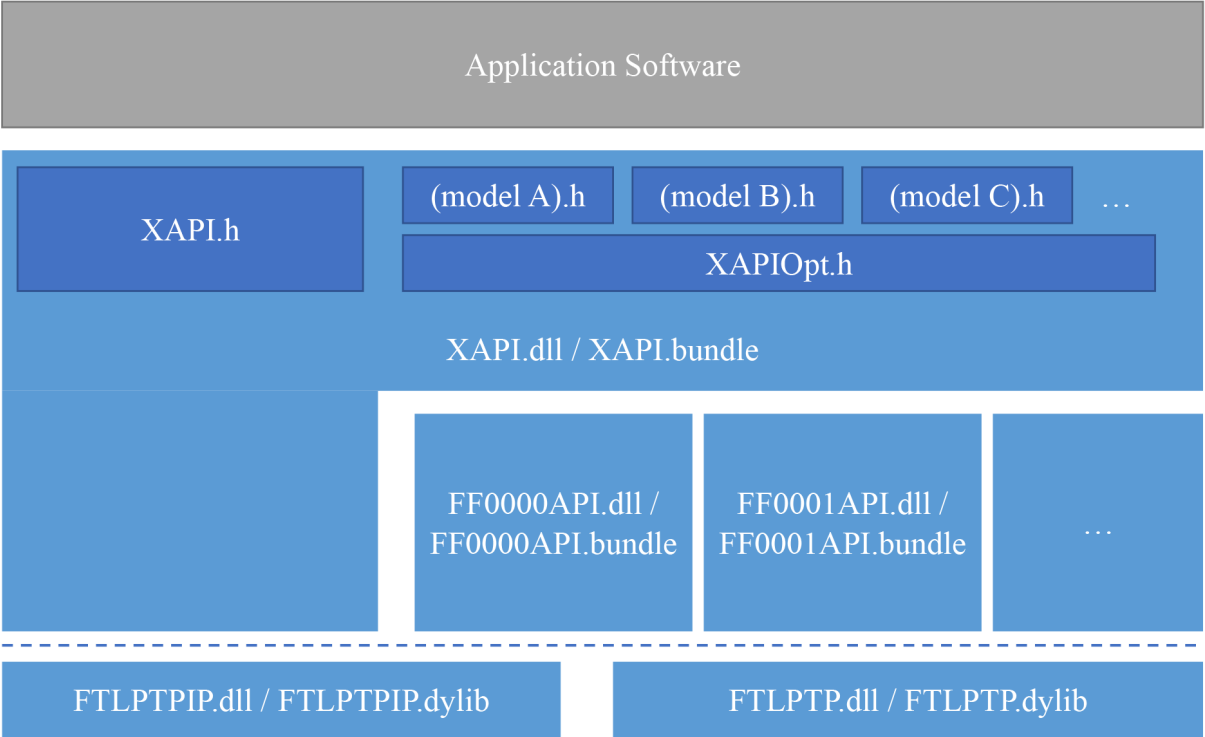
All “COMMON APIs” are described in “XAPI.h”. “MODEL DEPENDENT APIs” are described in model-dependent header files. For example, functions for the FUJIFILM GFX100S are described in “GFX100S.h”. Header files for model-dependent functions sometimes reference “XAPIOpt.H”.

To load the SDK, you need only load “XAPI.dll” (Windows) or “XAPI.bundle” (macOS).

On Windows, macOS, or Linux, you need only to load “XAPI.dll” (Windows), “XAPI.bundle” (macOS), or “XAPI.so” (Linux) to use the SDK.

On Android you need to load the wrapper so library to use the SDK.

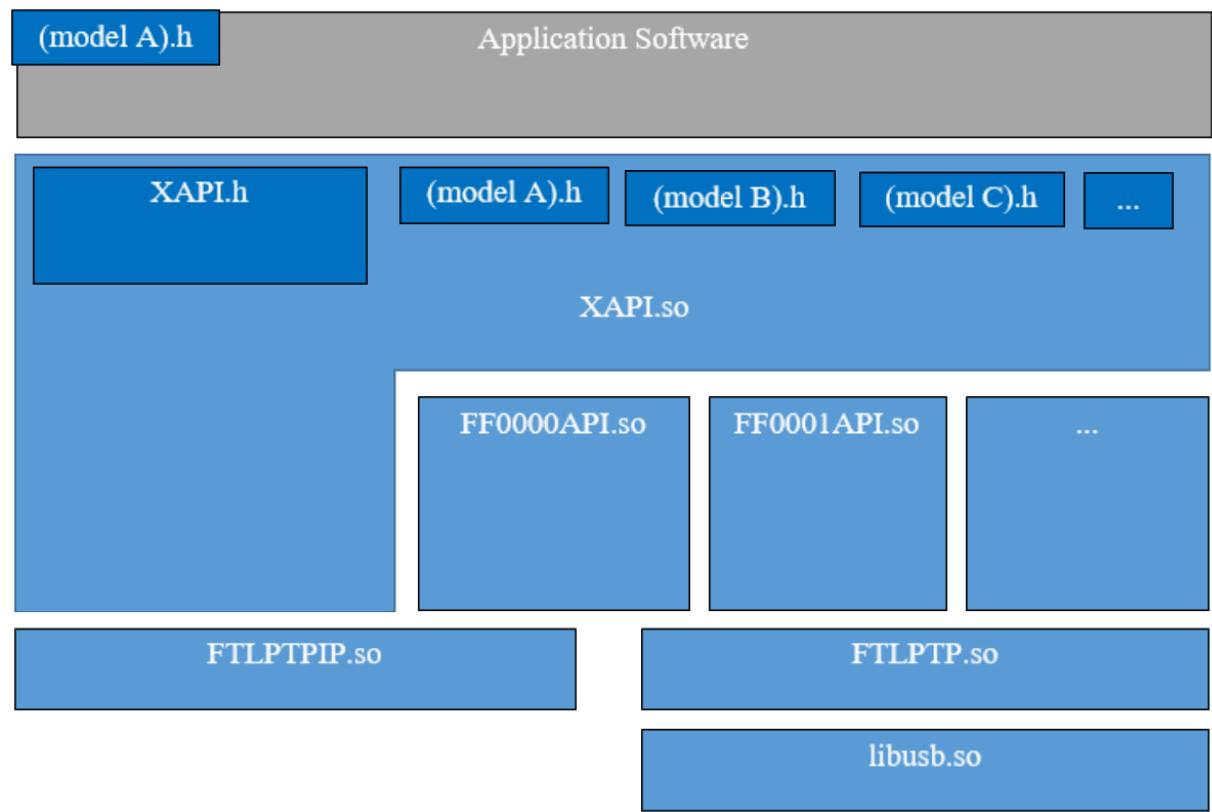
\*Windows/macOS



Layered Library Structure



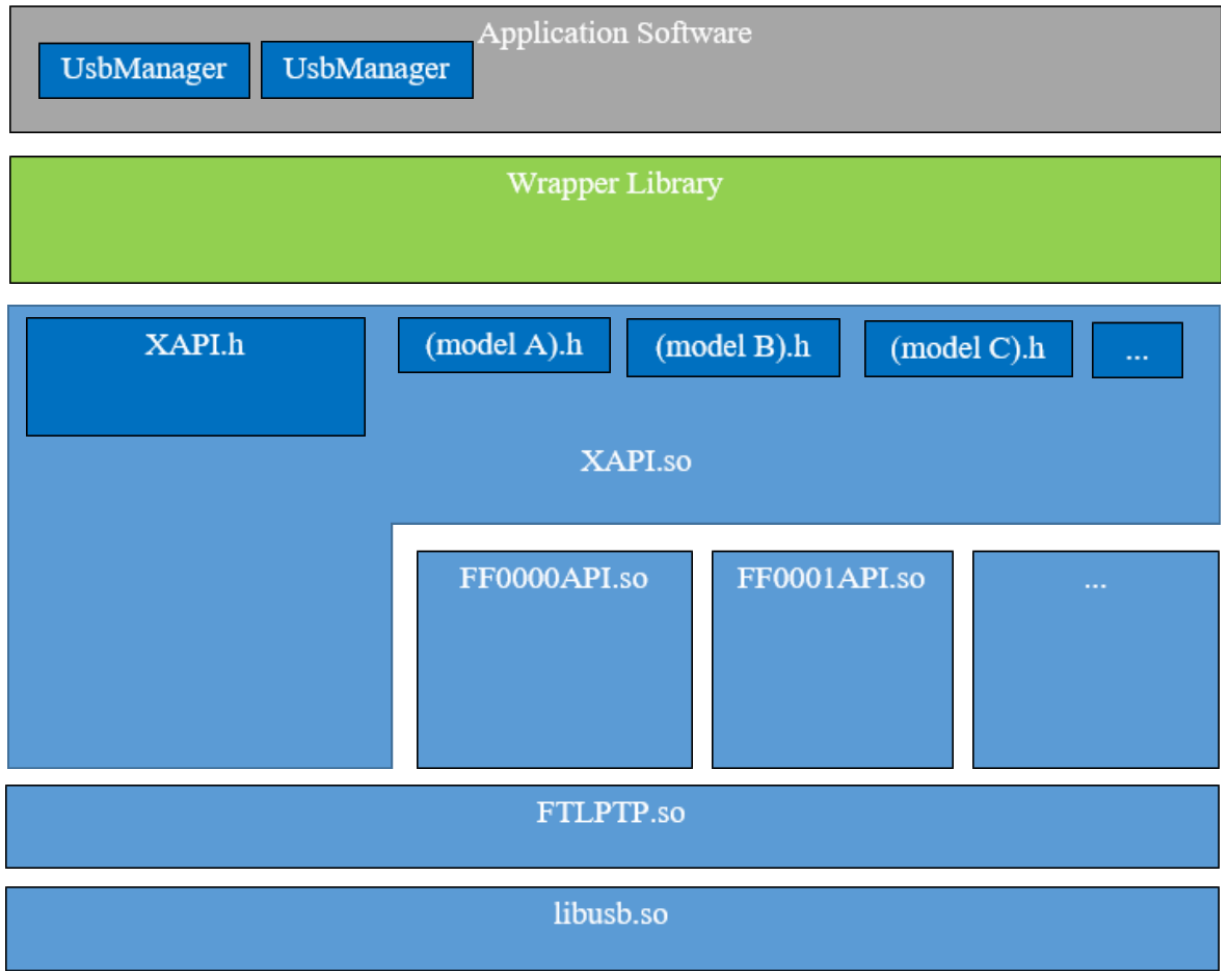
\*Linux



Layered Library Structure

\_\_\_\_\_

\*Android



Layered Library Structure

\_\_\_\_\_

### 3.1. COMMON APIs (Mandatory Functions)

All SDK-compliant cameras support these mandatory functions.

Function	Description
<b>Initialize/Finalize</b>	
<i>XSDK_Init</i>	Initializes and starts use of the SDK.
<i>XSDK_Exit</i>	Finalizes and terminates use of the SDK.
<b>Enumeration</b>	
<i>XSDK_Detect</i>	Enumerates available cameras and generates a connected camera list. This API is not supported with the SDK for Android OS.
<i>XSDK_Append</i>	Update the connected camera list. This API is not supported with the SDK for Android OS, since the SDK for Android OS supports only one camera connection.
<b>Session Management</b>	
<i>XSDK_OpenEx</i>	Establishes a session between the camera and the computer. This API is not supported with the SDK for Android OS.
<i>XSDK_SetUSBDeviceHandle</i>	This API is supported only with the SDK for Android OS. This API is called from the alternative code for XSDK_OpenEx. This API provides opening camera feature on Android OS.
<i>XSDK_Close</i>	Closes the session between the camera and the computer.
<i>XSDK_PowerOFF</i>	Closes the session between the camera and the computer, and shut the camera down.
<b>Basic Functions</b>	
<i>XSDK_GetErrorNumber</i>	Gets the error details of the last called function.
<i>XSDK_GetErrorDetails</i>	Gets details of the busy error when the plERRCode returned by a call to XSDK_GetErrorNumber is XSDK_ERRCODE_RUNNING_OTHER_FUNCTION.
<i>XSDK_GetVersionString</i>	Gets version numbers in a string format.
<b>Device Information</b>	
<i>XSDK_GetDeviceInfo</i>	Gets information about the connected camera.
<i>XSDK_GetDeviceInfoEx</i>	Gets information about the connected camera and supported APIs by the camera.
<i>XSDK_WriteDeviceName</i>	Assigns a device-unique name to the camera.
<i>XSDK_GetFirmwareVersion</i>	Get the firmware version of the camera in string.
<i>XSDK_GetLensInfo</i>	Gets lens information from the camera.
<i>XSDK_GetLensVersion</i>	Gets the firmware version of the lens attached to the camera in a string format.
<b>Camera Operation Mode</b>	
<i>XSDK_CapPriorityMode</i>	Queries supported operation modes.
<i>XSDK_SetPriorityMode</i>	Sets the camera operation mode.

<i>XSDK_GetPriorityMode</i>	Gets the current camera operation mode.
<i>XSDK_CapDriveMode</i>	Queries supported drive modes.
<i>XSDK_SetDriveMode</i>	Sets the camera drive mode.
<i>XSDK_GetDriveMode</i>	Gets the current camera drive mode.
<i>XSDK_CapMode</i>	Queries supported camera MODES.
<i>XSDK_SetMode</i>	Sets the camera MODE.
<i>XSDK_GetMode</i>	Gets the current camera MODE.
<b>Release Control</b>	
<i>XSDK_CapRelease</i>	Queries supported release-related modes (shutter release, AE-L, AF-L, ...), when the system is in PC priority mode..
<i>XSDK_Release</i>	Triggers shutter release-related operations (shutter release, AE-L, AF-L, ...) when the system is in PC priority mode.
<i>XSDK_CapReleaseEx</i>	Queries supported release-related modes (shutter release, AE-L, AF-L, ...) when the system is in CAMERA priority mode.
<i>XSDK_ReleaseEx</i>	Triggers shutter release-related operations (shutter release, AE-L, AF-L, ...) when the system is in CAMERA priority mode.
<i>XSDK_GetReleaseStatus</i>	Gets the status of release operation.
<b>Image Acquisition</b>	
<i>XSDK_ReadImageInfo</i>	Gets information from an image from the top of the in-camera buffer.
<i>XSDK_ReadPreview</i>	Gets a low-resolution image of the image from the top of the in-camera buffer.
<i>XSDK_ReadImage</i>	Gets a captured image from the top of the in-camera buffer and deletes it from the buffer.
<i>XSDK_DeleteImage</i>	Deletes a captured image from the top of the in-camera buffer.
<i>XSDK_GetBufferCapacity</i>	Gets the status of the in-camera buffer.
<b>Exposure Control</b>	
<i>XSDK_CapAEMode</i>	Queries supported exposure modes (P/A/S/M) to set.
<i>XSDK_SetAEMode</i>	Sets the exposure mode setting.
<i>XSDK_GetAEMode</i>	Gets the exposure mode setting.
<i>XSDK_CapShutterSpeed</i>	Queries supported shutter speeds to set.
<i>XSDK_SetShutterSpeed</i>	Sets the shutter speed value.
<i>XSDK_GetShutterSpeed</i>	Gets the shutter speed setting.
<i>XSDK_CapExposureBias</i>	Queries supported exposure compensations to set.
<i>XSDK_SetExposureBias</i>	Sets the exposure compensation value.
<i>XSDK_GetExposureBias</i>	Gets the exposure compensation setting.
<i>XSDK_CapDynamicRange</i>	Queries supported dynamic ranges to set.
<i>XSDK_SetDynamicRange</i>	Sets the dynamic range value.
<i>XSDK_GetDynamicRange</i>	Gets the dynamic range setting.
<i>XSDK_CapSensitivity</i>	Queries supported ISO sensitivities to set.

<i>XSDK_SetSensitivity</i>	Sets the ISO sensitivity value.
<i>XSDK_GetSensitivity</i>	Gets the ISO sensitivity setting.
<i>XSDK_CapMeteringMode</i>	Queries supported metering modes to set.
<i>XSDK_SetMeteringMode</i>	Sets the metering mode.
<i>XSDK_GetMeteringMode</i>	Gets the metering mode setting.
<i>XSDK_CapLensZoomPos</i>	Queries supported zoom positions to set.
<i>XSDK_SetLensZoomPos</i>	Sets the zoom position.
<i>XSDK_GetLensZoomPos</i>	Gets the zoom position setting.
<i>XSDK_CapAperture</i>	Queries supported aperture values to set.
<i>XSDK_SetAperture</i>	Sets the aperture value.
<i>XSDK_GetAperture</i>	Gets the aperture setting.
<b>White Balance Control</b>	
<i>XSDK_CapWBMode</i>	Queries supported white-balance modes to set.
<i>XSDK_SetWBMode</i>	Sets the white-balance mode.
<i>XSDK_GetWBMode</i>	Gets the white-balance mode setting.
<i>XSDK_CapWBColorTemp</i>	Queries supported color temperatures to set available when WBMode=ColorTemperature.
<i>XSDK_SetWBColorTemp</i>	Sets the color temperature value for WBMode=ColorTemperature.
<i>XSDK_GetWBColorTemp</i>	Gets the color temperature setting for WBMode=ColorTemperature.
<b>Media Recording Control</b>	
<i>XSDK_CapMediaRecord</i>	Queries supported media recording control modes to set.
<i>XSDK_SetMediaRecord</i>	Sets the media recording control modes for the tethering operation.
<i>XSDK_GetMediaRecord</i>	Gets the media recording control modes setting for the tethering operation.
<b>Operation Mode Control</b>	
<i>XSDK_CapForceMode</i>	Queries supported operation modes to set.
<i>XSDK_SetForceMode</i>	Forcibly changes the operating mode to SHOOTING MODE.
<b>Backup and Restore</b>	
<i>XSDK_SetBackupSettings</i>	Restore camera backup settings.
<i>XSDK_GetBackupSettings</i>	Backup camera settings.
<b>Movie Control</b>	
<i>XSDK_CapMovieShutterSpeed</i>	Queries supported shutter speeds to set in movie mode.
<i>XSDK_SetMovieShutterSpeed</i>	Sets the shutter speed value in movie mode.
<i>XSDK_GetMovieShutterSpeed</i>	Gets the shutter speed setting in movie mode.
<i>XSDK_CapMovieExposureBias</i>	Queries supported exposure compensations to set in movie mode.
<i>XSDK_SetMovieExposureBias</i>	Sets the exposure compensation value in movie mode.
<i>XSDK_GetMovieExposureBias</i>	Gets the exposure compensation setting in movie mode.
<i>XSDK_CapMovieSensitivity</i>	Queries supported ISO sensitivities to set in movie mode.

<i>XSDK_SetMovieSensitivity</i>	Sets the ISO sensitivity value in movie mode.
<i>XSDK_GetMovieSensitivity</i>	Gets the ISO sensitivity setting in movie mode.
<i>XSDK_CapMovieAperture</i>	Queries supported aperture values to set in movie mode.
<i>XSDK_SetMovieAperture</i>	Sets the aperture value in movie mode.
<i>XSDK_GetMovieAperture</i>	Gets the aperture setting in movie mode.
<i>XSDK_CapMovieDynamicRange</i>	Queries supported dynamic ranges to set in movie mode.
<i>XSDK_SetMovieDynamicRange</i>	Sets the dynamic range value in movie mode.
<i>XSDK_GetMovieDynamicRange</i>	Gets the dynamic range setting in movie mode.
<i>XSDK_CapMovieMeteringMode</i>	Queries supported metering modes to set in movie mode.
<i>XSDK_SetMovieMeteringMode</i>	Sets the metering mode in movie mode.
<i>XSDK_GetMovieMeteringMode</i>	Gets the metering mode setting in movie mode.
<i>XSDK_CapMovieWBMode</i>	Queries supported white-balance modes to set in movie mode.
<i>XSDK_SetMovieWBMode</i>	Sets the white-balance mode in movie mode.
<i>XSDK_GetMovieWBMode</i>	Gets the white-balance mode setting in movie mode.
<i>XSDK_CapMovieWBColorTemp</i>	Queries supported color temperatures to set available in movie mode when WBMode = ColorTemperature.
<i>XSDK_SetMovieWBColorTemp</i>	Sets the color temperature value in movie mode for WBMode = ColorTemperature.
<i>XSDK_GetMovieWBColorTemp</i>	Gets the movie color temperature setting in movie mode for WBMode = ColorTemperature.
<b>Model Dependent Function Interface</b>	
<i>XSDK_CapProp</i>	Queries supported values for a model-dependent function.
<i>XSDK_SetProp</i>	Sets values for the model-dependent function.
<i>XSDK_GetProp</i>	Gets the settings for the model-dependent function.

In the case of GFX ETERNA 55, please refer to the footnote in detail. <sup>\*2</sup>

<sup>2</sup> The GFX ETERNA 55 supports following APIs: XSDK\_Init, XSDK\_Exit, XSDK\_Detect, XSDK\_Append, XSDK\_OpenEx, XSDK\_SetUSBDeviceHandle, XSDK\_Close, XSDK\_PowerOFF, XSDK\_GetErrorNumber, XSDK\_GetErrorDetails, XSDK\_GetVersionString, XSDK\_GetDeviceInfo, XSDK\_GetDeviceInfoEx, XSDK\_GetLensInfo, XSDK\_CapPriorityMode, XSDK\_CapDriveMode, XSDK\_SetDriveMode, XSDK\_GetDriveMode, XSDK\_CapMode, XSDK\_CapRelease, XSDK\_Release, XSDK\_CapReleaseEx, XSDK\_ReleaseEx, XSDK\_GetReleaseStatus, XSDK\_ReadImageInfo, XSDK\_GetBufferCapacity, XSDK\_CapLensZoomPos, XSDK\_SetLensZoomPos, XSDK\_GetLensZoomPos, XSDK\_CapForceMode, XSDK\_SetForceMode, XSDK\_CapMovieShutterSpeed, XSDK\_SetMovieShutterSpeed, XSDK\_GetMovieShutterSpeed, XSDK\_CapMovieExposureBias, XSDK\_SetMovieExposureBias, XSDK\_GetMovieExposureBias, XSDK\_CapMovieSensitivity, XSDK\_SetMovieSensitivity, XSDK\_GetMovieSensitivity, XSDK\_CapMovieAperture, XSDK\_SetMovieAperture, XSDK\_GetMovieAperture, XSDK\_CapMovieDynamicRange, XSDK\_SetMovieDynamicRange, XSDK\_GetMovieDynamicRange, XSDK\_CapMovieMeteringMode, XSDK\_SetMovieMeteringMode, XSDK\_GetMovieMeteringMode, XSDK\_CapMovieWBMode, XSDK\_SetMovieWBMode, XSDK\_GetMovieWBMode, XSDK\_CapMovieWBColorTemp, XSDK\_SetMovieWBColorTemp, XSDK\_GetMovieWBColorTemp, XSDK\_CapProp, XSDK\_SetProp, XSDK\_GetProp

### 3.2. **MODEL DEPENDENT APIs (Optional Functions)**

Some cameras support the optional model-dependent functions listed below. These functions can be called via the “XSDK\_CapProp”, “XSDK\_GetProp”, and “XSDK\_SetProp” functions.

Function	Description
<b>Focus Control</b>	
<i>CapFocusMode</i>	Queries supported focus modes.
<i>SetFocusMode</i>	Sets the focus mode.
<i>GetFocusMode</i>	Gets the focus mode setting.
<i>CapAFMode</i>	Queries supported AF modes.
<i>SetAFMode</i>	Sets the AF MODE setting.
<i>GetAFMode</i>	Gets the AF MODE setting.
<i>CapFocusArea</i>	Queries supported FOCUS AREA and focus area-size settings.
<i>SetFocusArea</i>	Sets the FOCUS AREA and focus area-size settings.
<i>GetFocusArea</i>	Gets the FOCUS AREA and focus area-size settings.
<i>CapShutterPriorityMode</i>	Queries supported RELEASE/FOCUS PRIORITY settings for AF-S or AF-C.
<i>SetShutterPriorityMode</i>	Sets the RELEASE/FOCUS PRIORITY setting for AF-S or AF-C.
<i>GetShutterPriorityMode</i>	Gets the RELEASE/FOCUS PRIORITY setting for AF-S or AF-C.
<i>CapFaceDetectionMode</i>	Queries supported FACE DETECTION modes.
<i>SetFaceDetectionMode</i>	Sets the FACE DETECTION mode.
<i>GetFaceDetectionMode</i>	Gets the FACE DETECTION mode.
<i>CapEyeAFMode</i>	Queries supported EYE AF modes.
<i>SetEyeAFMode</i>	Sets the EYE AF mode.
<i>GetEyeAFMode</i>	Gets the EYE AF mode.
<i>CapSubjectDetectionMode</i>	Queries supported subject detection modes.
<i>SetSubjectDetectionMode</i>	Sets the subject detection mode.
<i>GetSubjectDetectionMode</i>	Gets the subject detection mode.
<i>CapFullTimeManualFocus</i>	Queries supported AF+MF modes.
<i>SetFullTimeManualFocus</i>	Sets the AF+MF mode.
<i>GetFullTimeManualFocus</i>	Gets the AF+MF mode.
<i>CapFocusPoints</i>	Queries supported options for selecting the NUMBER OF FOCUS POINTS.
<i>SetFocusPoints</i>	Sets the NUMBER OF FOCUS POINTS.
<i>GetFocusPoints</i>	Gets the NUMBER OF FOCUS POINTS.
<i>CapInstantAFMode</i>	Queries supported INSTANT AF SETTING options.
<i>SetInstantAFMode</i>	Sets the INSTANT AF SETTING.
<i>GetInstantAFMode</i>	Gets the INSTANT AF SETTING.
<i>CapPreAFMode</i>	Queries supported PRE-AF settings.

<i>SetPreAFMode</i>	Sets the PRE-AF setting.
<i>GetPreAFMode</i>	Gets the PRE-AF setting.
<i>CapAFIlluminator</i>	Queries supported AF ILLUMINATOR settings.
<i>SetAFIlluminator</i>	Sets the AF ILLUMINATOR setting.
<i>GetAFIlluminator</i>	Gets the AF ILLUMINATOR setting.
<i>CapFocusPos</i>	Queries the focus positions to set available in manual focus mode.
<i>SetFocusPos</i>	Sets the focus position for manual focus mode.
<i>GetFocusPos</i>	Gets the focus position for manual focus mode.
<i>CapFocusLimiterPos</i>	Queries available AF search ranges (near/far) for focus limiter 1(custom).
<i>SetFocusLimiterPos</i>	Sets the current focus position to one of endpoints of a focus limiter.
<i>GetFocusLimiterIndicator</i>	Gets a information for the current focus limiter. Usable for drawing a focus indicator.
<i>GetFocusLimiterRange</i>	Gets a list of the endpoints for available focus limiters in specified unit.
<i>CapFocusLimiterMode</i>	Queries available focus limiter selections.
<i>SetFocusLimiterMode</i>	Sets the focus limiter selection.
<i>GetFocusLimiterMode</i>	Gets the current focus limiter selection.
<i>CapFocusSpeed</i>	Queries available focus speed selecitons.
<i>SetFocusSpeed</i>	Sets the focus speed seleciton.
<i>GetFocusSpeed</i>	Gets the current focus speed selection.
<i>CapFocusOperation</i>	Queries available focus operations.
<i>SetFocusOperation</i>	Triggers the focus operation.
<i>CapAFZoneCustom</i>	Queries supported ZONE CUSTOM settings
<i>SetAFZoneCustom</i>	Sets the ZONE CUSTOM setting.
<i>GetAFZoneCustom</i>	Gets the ZONE CUSTOM setting.
<b>Crop Control</b>	
<i>CapCropMode</i>	Queries supported crop modes.
<i>SetCropMode</i>	Sets the crop mode.
<i>GetCropMode</i>	Gets the crop mode.
<i>CapCropZoom</i>	Queries available crop zoom magnification ratios.
<i>SetCropZoom</i>	Sets the crop zoom magnification ratio.
<i>GetCropZoom</i>	Gets the current crop zoom magnification ratio.
<b>Zoom Control</b>	
<i>CapZoomSpeed</i>	Queries available zoom speed selections.
<i>SetZoomSpeed</i>	Sets the zoom speed selection.
<i>GetZoomSpeed</i>	Gets the current zoom speed selection.
<i>CapZoomOperation</i>	Queries available zoom operations.
<i>SetZoomOperation</i>	Triggers the zoom operation.

<b>Exposure Control</b>	
<i>CapInterlockAEAFArea</i>	Queries supported modes for INTERLOCK AE SPOT AND AF POSITION.
<i>SetInterlockAEAFArea</i>	Sets the INTERLOCK AE SPOT AND AF POSITION mode.
<i>GetInterlockAEAFArea</i>	Gets the INTERLOCK AE APOT AND AF POSITION mode.
<i>CapHighFrequencyFlickerlessMode</i>	Queries supported modes for FLICKERLESS S.S. SETTING.
<i>SetHighFrequencyFlickerlessMode</i>	Sets the FLICKERLESS S.S. SETTING.
<i>GetHighFrequencyFlickerlessMode</i>	Gets the FLICKERLESS S.S. SETTING.
<b>Image Size / Quality</b>	
<i>CapImageSize</i>	Queries supported IMAGE SIZE settings.
<i>SetImageSize</i>	Sets the IMAGE SIZE setting.
<i>GetImageSize</i>	Gets the IMAGE SIZE setting.
<i>CapImageQuality</i>	Queries supported IMAGE QUALITY settings.
<i>SetImageQuality</i>	Sets the IMAGE QUALITY setting.
<i>GetImageQuality</i>	Gets the IMAGE QUALITY setting.
<i>CapRAWCompression</i>	Queries supported RAW COMPRESSION/RAW RECORDING TYPE settings.
<i>SetRAWCompression</i>	Sets the RAW COMPRESSION / RAW RECORDING TYPE setting.
<i>GetRAWCompression</i>	Gets the RAW COMPRESSION / RAW RECORDING TYPE setting.
<i>CapRAWOutputDepth</i>	Queries supported RAW RECORDING OUTPUT DEPTH settings.
<i>SetRAWOutputDepth</i>	Sets the RAW RECORDING OUTPUT DEPTH setting.
<i>GetRAWOutputDepth</i>	Gets the RAW RECORDING OUTPUT DEPTH setting.
<b>White Balance</b>	
<i>CapWhiteBalanceTune</i>	Queries supported WHITE BALANCE SHIFT settings.
<i>SetWhiteBalanceTune</i>	Sets the WHITE BALANCE SHIFT settings.
<i>GetWhiteBalanceTune</i>	Gets the WHITE BALANCE SHIFT settings.
<b>Film Simulation</b>	
<i>CapFilmSimulationMode</i>	Queries supported FILM SIMULATION settings.
<i>SetFilmSimulationMode</i>	Sets the FILM SIMULATION setting.
<i>GetFilmSimulationMode</i>	Gets the FILM SIMULATION setting.
<i>CapGrainEffect</i>	Queries supported GRAIN EFFECT settings.
<i>SetGrainEffect</i>	Sets the GRAIN EFFECT setting.
<i>GetGrainEffect</i>	Gets the GRAIN EFFECT setting.
<i>CapMonochromaticColor</i>	Queries supported MONOCHROMATIC COLOR settings.
<i>SetMonochromaticColor</i>	Sets the MONOCHROMATIC COLOR settings.
<i>GetMonochromaticColor</i>	Gets the MONOCHROMATIC COLOR settings.
<b>Image Quality Control</b>	
<i>CapSharpness</i>	Queries supported SHARPNESS settings.

<i>SetSharpness</i>	Sets the SHARPNESS setting.
<i>GetSharpness</i>	Gets the SHARPNESS setting.
<i>CapColorMode</i>	Queries supported saturation (COLOR) settings.
<i>SetColorMode</i>	Sets the COLOR setting.
<i>GetColorMode</i>	Gets the COLOR setting.
<i>CapHighLightTone</i>	Queries supported HIGHLIGHT TONE settings.
<i>SetHighLightTone</i>	Sets the HIGHLIGHT TONE setting.
<i>GetHighLightTone</i>	Gets the HIGHLIGHT TONE setting.
<i>CapShadowTone</i>	Queries supported SHADOW TONE settings.
<i>SetShadowTone</i>	Sets the SHADOW TONE setting.
<i>GetShadowTone</i>	Gets the SHADOW TONE setting.
<i>CapShadowing</i>	Queries supported values for COLOR CHROME EFFECT.
<i>SetShadoing</i>	Sets the COLOR CHROME EFFECT setting.
<i>GetShadowing</i>	Gets the COLOR CHROME EFFECT setting.
<i>CapWideDynamicRange</i>	Queries supported D RANGE PRIORITY settings.
<i>SetWideDynamicRange</i>	Sets the D RANGE PRIORITY setting.
<i>GetWideDynamicRange</i>	Gets the current D RANGE PRIORITY setting.
<i>CapColorChromeBlue</i>	Queries supported COLOR CHROME FX BLUE settings.
<i>SetColorChromeBlue</i>	Sets the COLOR CHROME FX BLUE setting.
<i>GetColorChromeBlue</i>	Gets the COLOR CHROME FX BLUE setting.
<i>CapClarityMode</i>	Queries supported CLARITY values.
<i>SetClarityMode</i>	Sets the CLARITY setting.
<i>GetClarityMode</i>	Gets the CLARITY setting.
<i>SetSmoothSkinEffect</i>	Sets the SMOOTH SKIN EFFECT setting.
<i>GetSmoothSkinEffect</i>	Gets the SMOOTH SKIN EFFECT setting.
<i>CapNoiseReduction</i>	Queries supported NOISE REDUCTION/HIGH ISO NR settings.
<i>SetNoiseReduction</i>	Sets the NOISE REDUCTION/HIGH ISO NR setting.
<i>GetNoiseReduction</i>	Gets the NOISE REDUCTION/HIGH ISO NR setting.
<i>CapLMOMode</i>	Queries supported LENS MODULATION OPTIMIZER settings.
<i>SetLMOMode</i>	Sets the LENS MODULATION OPTIMIZER setting.
<i>GetLMOMode</i>	Gets the LENS MODULATION OPTIMIZER setting.
<i>CapLongExposureNR</i>	Queries supported LONG EXPOSURE NR settings.
<i>SetLongExposureNR</i>	Sets the LONG EXPOSURE NR setting.
<i>GetLongExposureNR</i>	Gets the LONG EXPOSURE NR setting.
<b>Self Timer</b>	
<i>CapCaptureDelay</i>	Queries supported SELF-TIMER duration settings.
<i>SetCaptureDelay</i>	Sets the SELF-TIMER setting.
<i>GetCaptureDelay</i>	Gets the SELF-TIMER setting.

SET-UP	
<i>SetDateTime</i>	Sets the DATE/TIME settings.
<i>GetDateTime</i>	Gets the DATE/TIME settings.
<i>SetDateTimeDispFormat</i>	Sets the DATE/TIME format.
<i>GetDateTimeDispFormat</i>	Gets the DATE/TIME format.
<i>CapWorldClock</i>	Queries supported HOME, LOCAL settings.
<i>SetWorldClock</i>	Sets the HOME or LOCAL setting.
<i>GetWorldClock</i>	Gets the HOME or LOCAL setting.
<i>CapTimeDifference</i>	Queries supported TIME DIFFERENCE settings.
<i>SetTimeDifference</i>	Sets the TIME DIFFERENCE settings.
<i>GetTimeDifference</i>	Gets the TIME DIFFERENCE settings.
<i>CapSummerTime</i>	Queries supported DAYLIGHT SAVINGS settings.
<i>SetSummerTime</i>	Sets DAYLIGHT SAVINGS setting.
<i>GetSummerTime</i>	Gets the DAYLIGHT SAVINGS setting.
<i>CapResetSetting</i>	Queries supported reset options.
<i>ResetSetting</i>	Executes RESET setting.
<i>CapExposurePreview</i>	Queries supported PREVIEW EXP./WB IN MANUAL MODE settings.
<i>SetExposurePreview</i>	Sets the PREVIEW EXP./WB IN MANUAL MODE setting.
<i>GetExposurePreview</i>	Gets the PREVIEW EXP./WB IN MANUAL MODE setting.
<i>CapFrameGuideMode</i>	Queries supported FRAMING GUIDELINE settings.
<i>SetFrameGuideMode</i>	Sets the FRAMING GUIDELINE setting.
<i>GetFrameGuideMode</i>	Gets the FRAMING GUIDELINE setting.
<i>SetFrameGuideGridInfo</i>	Sets the custom FRAMING GUIDELINE.
<i>GetFrameGuideGridInfo</i>	Gets the custom FRAMING GUIDELINE.
<i>CapFocusScaleUnit</i>	Queries supported focus distance units.
<i>SetFocusScaleUnit</i>	Sets the focus distance unit.
<i>GetFocusScaleUnit</i>	Gets the focus distance unit.
<i>SetFilenamePrefix</i>	Sets the EDIT FILE NAME setting.
<i>GetFilenamePrefix</i>	Gets the EDIT FILE NAME setting.
<i>CapLockButtonMode</i>	Queries supported AE/AF LOCK MODE settings.
<i>SetLockButtonMode</i>	Sets the AE/AF LOCK MODE setting.
<i>GetLockButtonMode</i>	Gets the AE/AF LOCK MODE setting.
<i>CapColorSpace</i>	Queries supported COLOR SPACE settings.
<i>SetColorSpace</i>	Sets the COLOR SPACE setting.
<i>GetColorSpace</i>	Gets the COLOR SPACE setting.
<i>CapFunctionLock</i>	Queries supported LOCK SETTINGS.
<i>SetFunctionLock</i>	Sets the LOCK SETTING.

<i>GetFunctionLock</i>	Gets the LOCK SETTING.
<i>CapFunctionLockCategory</i>	Queries the supported FUNCTION SELECTIONS for SELECTED FUNCTION LOCK.
<i>SetFunctionLockCategory</i>	Sets the FUNCTION SELECTIONS for SELECTED FUNCTION LOCK.
<i>GetFunctionLockCategory</i>	Gets the FUNCTION SELECTIONS for SELECTED FUNCTION LOCK.
<i>CapFormatMemoryCard</i>	Queries supported memory card slots.
<i>FormatMemoryCard</i>	Executes the FORMAT procedure.
<i>CapCustomDispInfo</i>	Queries the supported DISP. CUSTOM SETTINGS.
<i>SetCustomDispInfo</i>	Sets the DISP. CUSTOM SETTING.
<i>GetCustomDispInfo</i>	Gets the DISP. CUSTOM SETTING.
<i>GetTransparentFrameInfo</i>	Gets the Transparent frame information.
<i>CapMaskSetting</i>	Queries the supported SURROUND VIEW settings.
<i>SetMaskSetting</i>	Sets the SURROUND VIEW setting.
<i>GetMaskSetting</i>	Gets the SURROUND VIEW setting.
<b>Image Stabilization</b>	
<i>CapLensISSwitch</i>	Queries the available lens IS switch settings to set.
<i>SetLensISSwitch</i>	Sets the lens IS switch mode.
<i>GetLensISSwitch</i>	Gets the lens IS switch mode.
<i>CapISMode</i>	Queries supported IS MODE settings.
<i>SetISMode</i>	Sets the IS MODE setting.
<i>GetISMode</i>	Gets the IS MODE setting.
<b>Save Image Metatags</b>	
<i>SetComment</i>	Sets the comment tag strings to be saved in images.
<i>GetComment</i>	Gets the comment tag strings to be saved in images.
<i>SetCopyright</i>	Sets the copyright tag strings to be saved in images.
<i>GetCopyright</i>	Gets the copyright tag strings to be saved in images.
<b>Camera Information</b>	
<i>CheckBatteryInfo</i>	Gets the battery status.
<i>GetShutterCount</i>	Gets the shutter counter.
<i>GetShutterCountEx</i>	Gets the count for the front-curtain shutter.
<i>GetTiltShiftLensStatus</i>	Gets tilt/shift lens status from the camera.
<b>Media Control</b>	
<i>GetMediaCapacity</i>	Gets recording media capacity.
<i>GetMediaStatus</i>	Gets recording media status.
<b>Display Control</b>	
<i>CapMFAssistMode</i>	Queries supported MF ASSIST MODE settings.
<i>SetMFAssistMode</i>	Sets the MF ASSIST MODE setting

<i>GetMFAssistMode</i>	Gets the MF ASSIST MODE setting
<i>CapFocusCheckMode</i>	Queries supported FOCUS CHECK MODE settings.
<i>SetFocusCheckMode</i>	Sets the FOCUS CHECK MODE setting
<i>GetFocusCheckMode</i>	Gets the FOCUS CHECK MODE setting
<i>CapViewMode</i>	Queries supported VIEW MODE settings.
<i>SetViewMode</i>	Sets the VIEW MODE setting.
<i>GetViewMode</i>	Gets the VIEW MODE setting.
<b>Live View</b>	
<i>StartLiveView</i>	Starts live view.
<i>StopLiveView</i>	Ends live view.
<i>CapLiveViewImageQuality</i>	Queries supported live view image quality settings.
<i>SetLiveViewImageQuality</i>	Sets the live view image quality setting.
<i>GetLiveViewImageQuality</i>	Gets the live view image quality setting.
<i>CapLiveViewImageSize</i>	Queries supported live view image size settings.
<i>SetLiveViewImageSize</i>	Sets the live view image size setting.
<i>GetLiveViewImageSize</i>	Gets the live view image size setting.
<i>CapThroughImageZoom</i>	Queries supported live view zoom ratio settings.
<i>SetThroughImageZoom</i>	Sets the live view zoom ratio setting.
<i>GetThroughImageZoom</i>	Gets the live view zoom ratio setting.
<i>GetLiveViewStatus</i>	Gets live view status.
<b>Movie Control - MOVIE SETTING</b>	
<i>CapMovieImageFormat</i>	Queries supported IMAGE FORMAT settings.
<i>SetMovieImageFormat</i>	Sets the IMAGE FORMAT setting.
<i>GetMovieImageFormat</i>	Gets the IMAGE FORMAT setting.
<i>CapAnamorphicDesqueezeDisplay</i>	Queries supported DESQUEEZE DISPLAY IN RECODING settings.
<i>SetAnamorphicDesqueezeDisplay</i>	Sets the DESQUEEZE DISPLAY IN RECODING setting.
<i>GetAnamorphicDesqueezeDisplay</i>	Get the DESQUEEZE DISPLAY IN RECODING setting.
<i>CapAnamorphicMagnification</i>	Queries supported MAGNIFICATION settings.
<i>SetAnamorphicMagnification</i>	Sets the MAGNIFICATION setting.
<i>GetAnamorphicMagnification</i>	Gets the MAGNIFICATION setting.
<i>CapMovieResolution</i>	Queries supported MOVIE MODE settings.
<i>SetMovieResolution</i>	Sets the MOVIE MODE setting.
<i>GetMovieResolution</i>	Gets the MOVIE MODE setting.
<i>CapMovieFrameRate</i>	Queries supported MOVIE MODE settings.
<i>SetMovieFrameRate</i>	Sets the MOVIE MODE setting.
<i>GetMovieFrameRate</i>	Gets the MOVIE MODE setting.
<i>CapHighSpeedRecMode</i>	Queries supported HIGH SPEED REC settings.
<i>SetHighSpeedRecMode</i>	Sets the HIGH SPEED REC setting.

<i>GetHighSpeedRecMode</i>	Gets the HIGH SPEED REC setting.
<i>CapHighSpeedRecResolution</i>	Queries supported HIGH SPEED REC settings.
<i>SetHighSpeedRecResolution</i>	Sets the HIGH SPEED REC setting.
<i>GetHighSpeedRecResolution</i>	Gets the HIGH SPEED REC setting.
<i>CapHighSpeedRecFrameRate</i>	Queries supported HIGH SPEED REC settings.
<i>SetHighSpeedRecFrameRate</i>	Sets the HIGH SPEED REC setting.
<i>GetHighSpeedRecFrameRate</i>	Gets the HIGH SPEED REC setting.
<i>CapHighSpeedRecPlayBackFrameRate</i>	Queries supported HIGH SPEED REC settings.
<i>SetHighSpeedRecPlayBackFrameRate</i>	Sets the HIGH SPEED REC setting.
<i>GetHighSpeedRecPlayBackFrameRate</i>	Gets the HIGH SPEED REC setting.
<i>CapMovieCaptureDelay</i>	Queries supported SELF TIMER settings.
<i>SetMovieCaptureDelay</i>	Sets the SELF TIMER setting.
<i>GetMovieCaptureDelay</i>	Get the SELF TIMER setting.
<i>CapMovieMediaRecord</i>	Queries supported MEDIA REC SETTING settings.
<i>SetMovieMediaRecord</i>	Sets the MEDIA REC SETTING setting.
<i>GetMovieMediaRecord</i>	Gets the MEDIA REC SETTING setting.
<i>CapMovieBitRate</i>	Queries supported MEDIA REC SETTING settings.
<i>SetMovieBitRate</i>	Sets the MEDIA REC SETTING setting.
<i>GetMovieBitRate</i>	Gets the MEDIA REC SETTING setting.
<i>CapMovieFileFormat</i>	Queries supported MEDIA REC SETTING settings.
<i>SetMovieFileFormat</i>	Sets the MEDIA REC SETTING setting.
<i>GetMovieFileFormat</i>	Gets the MEDIA REC SETTING setting.
<i>CapMovieMediaRecordProRes</i>	Queries supported PROXY SETTING settings.
<i>SetMovieMediaRecordProRes</i>	Sets the PROXY SETTING setting.
<i>GetMovieMediaRecordProRes</i>	Gets the PROXY SETTING setting.
<i>GetMediaEjectWarning</i>	Gets the media eject warning information.
<i>CapMovieHDMIOutputInfoDisplay</i>	Queries supported HDMI OUTPUT INFO DISPLAY settings.
<i>SetMovieHDMIOutputInfoDisplay</i>	Sets the HDMI OUTPUT INFO DISPLAY setting.
<i>GetMovieHDMIOutputInfoDisplay</i>	Gets the HDMI OUTPUT INFO DISPLAY setting.
<i>CapMovieHDMIRecControl</i>	Queries supported HDMI REC CONTROL settings.
<i>SetMovieHDMIRecControl</i>	Sets the HDMI REC CONTROL setting.
<i>GetMovieHDMIRecControl</i>	Gets the HDMI REC CONTROL setting.
<i>CapMovieHDMIOutputRAW</i>	Queries supported RAW OUTPUT SETTING settings.
<i>SetMovieHDMIOutputRAW</i>	Sets the RAW OUTPUT SETTING setting.
<i>GetMovieHDMIOutputRAW</i>	Gets the RAW OUTPUT SETTING setting.
<i>CapMovieHDMIOutputRAWResolution</i>	Queries supported RAW OUTPUT SETTING settings.
<i>SetMovieHDMIOutputRAWResolution</i>	Sets the RAW OUTPUT SETTING setting.
<i>GetMovieHDMIOutputRAWResolution</i>	Gets the RAW OUTPUT SETTING setting.

<i>CapMovieHDMIOutputRAWFrameRate</i>	Queries supported RAW OUTPUT SETTING settings.
<i>SetMovieHDMIOutputRAWFrameRate</i>	Sets the RAW OUTPUT SETTING setting.
<i>GetMovieHDMIOutputRAWFrameRate</i>	Gets the RAW OUTPUT SETTING setting.
<i>CapMovieCropMagnification</i>	Queries supported FIX MOVIE CROP MAGNIFICATION settings.
<i>SetMovieCropMagnification</i>	Sets the FIX MOVIE CROP MAGNIFICATION setting.
<i>GetMovieCropMagnification</i>	Gets the FIX MOVIE CROP MAGNIFICATION setting.
<i>GetMovieCropMagnificationValue</i>	Gets the MOVIE CROP MAGNIFICATION value.
<i>CapFlogRecording</i>	Queries supported F-Log/HLG RECODING settings.
<i>SetFlogRecording</i>	Sets the F-Log/HLG RECODING setting.
<i>GetFlogRecording</i>	Gets the F-Log/HLG RECODING setting.
<i>CapMovieDataLevelSetting</i>	Queries supported DATA LEVEL SETTING settings.
<i>SetMovieDataLevelSetting</i>	Sets the DATA LEVEL SETTING setting.
<i>GetMovieDataLevelSetting</i>	Gets the DATA LEVEL SETTING setting.
<i>CapMovieHighFrequencyFlickerlessMode</i>	Queries supported FLICKERLESS S.S. SETTING settings.
<i>SetMovieHighFrequencyFlickerlessMode</i>	Sets the FLICKERLESS S.S. SETTING setting.
<i>GetMovieHighFrequencyFlickerlessMode</i>	Gets the FLICKERLESS S.S. SETTING setting.
<i>CapMovieIsMode</i>	Queries supported IS MODE settings.
<i>SetMovieIsMode</i>	Sets the IS MODE setting.
<i>GetMovieIsMode</i>	Gets the IS MODE setting.
<i>CapMovieIsModeBoost</i>	Queries supported IS MODE BOOST settings.
<i>SetMovieIsModeBoost</i>	Sets the IS MODE BOOST setting.
<i>GetMovieIsModeBoost</i>	Gets the IS MODE BOOST setting.
<i>CapMovieZebraSetting</i>	Queries supported ZEBRA SETTING settings.
<i>SetMovieZebraSetting</i>	Sets the ZEBRA SETTING setting.
<i>GetMovieZebraSetting</i>	Gets the ZEBRA SETTING setting.
<i>CapMovieZebraLevel</i>	Queries supported ZEBRA LEVEL settings.
<i>SetMovieZebraLevel</i>	Sets the ZEBRA LEVEL setting.
<i>GetMovieZebraLevel</i>	Gets the ZEBRA LEVEL setting.
<i>CapWaveFormVectorScope</i>	Queries supported WAVE FORM/VECTOR SCOPE settings.
<i>SetWaveFormVectorScope</i>	Sets the WAVE FORM/VECTOR SCOPE setting.
<i>GetWaveFormVectorScope</i>	Get the WAVE FORM/VECTOR SCOPE setting.
<i>GetWaveFormData</i>	Get the WaveForm data.
<i>GetVectorScopeData</i>	Gets the VECTOR SCOPE data.
<i>GetParadeData</i>	Gets the PARADE data.
<i>CapWaveFormSetting</i>	Queries supported WAVEFORM settings.
<i>SetWaveFormSetting</i>	Sets the WAVEFORM setting.
<i>GetWaveFormSetting</i>	Gets the WAVEFORM setting.
<i>CapVectorScopeSetting</i>	Queries supported VECTORSCOPE settings.

<i>SetVectorScopeSetting</i>	Sets the VECTORSCOPE setting.
<i>GetVectorScopeSetting</i>	Gets the VECTORSCOPE setting.
<i>CapParadeSettingDisplay</i>	Queries supported PARADE SETTING (SWICH DISP.) settings.
<i>SetParadeSettingDisplay</i>	Sets the PARADE SETTING (SWICH DISP.) setting
<i>GetParadeSettingDisplay</i>	Gets the PARADE SETTING (SWICH DISP.) setting
<i>CapParadeSettingColor</i>	Queries supported PARADE SETTING (COLOR) settings.
<i>SetParadeSettingColor</i>	Sets the PARADE SETTING (COLOR) setting
<i>GetParadeSettingColor</i>	Gets the PARADE SETTING (COLOR) setting
<i>CapMovieOptimizedControl</i>	Queries supported MOVIE OPTIMIZED MODE settongs.
<i>SetMovieOptimizedControl</i>	Sets the MOVIE OPTIMIZED MODE setting.
<i>GetMovieOptimizedControl</i>	Gets the MOVIE OPTIMIZED MODE setting.
<i>CapRecFrameIndicator</i>	Queries supported REC FRAME INDICATOR settings.
<i>SetRecFrameIndicator</i>	Sets the REC FRAME INDICATOR setting.
<i>GetRecFrameIndicator</i>	Get the REC FRAME INDICATOR setting.
<i>CapMovieTallyLight</i>	Queries supported TALLY LAMP settings.
<i>SetMovieTallyLight</i>	Sets the TALLY LAMP settng.
<i>GetMovieTallyLight</i>	Gets the TALLY LAMP setting.
<i>CapFanSetting</i>	Queries supported COOLING FAN SETTING settings.
<i>SetFanSetting</i>	Sets the COOLING FAN SETTING setting.
<i>GetFanSetting</i>	Gets the COOLING FAN SETTING setting.
<i>SetMovieCustomSetting</i>	Sets the EDIT/SAVE CUSTOM SETTING setting.
<i>SetMovieCustomName</i>	Sets the EDIT/SAVE CUSTOM SETTING name.
<i>GetMovieCustomName</i>	Gets the EDIT/SAVE CUSTOM SETTING name.
<i>CapMovieDigitalZoom</i>	Queries supported DIGITAL TELE-CONV. settings.
<i>SetMovieDigitalZoom</i>	Sets the DIGITAL TELE-CONV. setting.
<i>GetMovieDigitalZoom</i>	Gets the DIGITAL TELE-CONV. setting.
<i>GetMovieDigitalZoomRange</i>	Gets the DIGITAL TELE-CONV. RANGE setting.
<i>GetMovieRecordingTime</i>	Gets the RECORDING TIME.
<i>GetMovieRemainingTime</i>	Gets the REMAINING TIME.
<i>GetHistogramData</i>	Gets the HISTOGRAM data.
<i>GetBodyTemperatureWarning</i>	Gets the TEMPERATURE LIMIT information.
<i>CapShortMovieSecond</i>	Queries supported SHORT MOVIE MODE SECONDS SETUP settings.
<i>SetShortMovieSecond</i>	Sets the SHORT MOVIE MODE SECONDS SETUP setting.
<i>GetShortMovieSecond</i>	Gets the SHORT MOVIE MODE SECONDS SETUP setting.
<i>GetMovieTransparentFrameInfo</i>	Gets the Transparent frame information.
<i>GetMovieExposureIndexCurrentValue</i>	Gets the current ISO sensitivity value.
<i>CapMovieProjectFrameRate</i>	Queries supported PROJECT FPS settings.

<i>SetMovieProjectFrameRate</i>	Sets the PROJECT FPS setting.
<i>GetMovieProjectFrameRate</i>	Gets the PROJECT FPS setting.
<i>CapMovieHDMIOutput</i>	Queries supported HDMI OUTPUT settings.
<i>SetMovieHDMIOutput</i>	Sets the HDMI OUTPUT setting.
<i>GetMovieHDMIOutput</i>	Gets the HDMI OUTPUT setting.
<i>CapMovieFrameGuideCenterMarkerColor</i>	Queries supported COLOR settings of CENTERMARKER in the FRAMING GUIDELINE.
<i>SetMovieFrameGuideCenterMarkerColor</i>	Sets the COLOR setting of CENTERMARKER in the FRAMING GUIDELINE.
<i>GetMovieFrameGuideCenterMarkerColor</i>	Gets the COLOR setting of CENTERMARKER in the FRAMING GUIDELINE.
<i>CapMovieFrameGuideCenterMarkerThickness</i>	Queries supported FLAMELINE settings of CENTERMARKER in the FRAMING GUIDELINE.
<i>SetMovieFrameGuideCenterMarkerThickness</i>	Sets the FLAMELINE setting of CENTERMARKER in the FRAMING GUIDELINE.
<i>GetMovieFrameGuideCenterMarkerThickness</i>	Gets the FLAMELINE setting of CENTERMARKER in the FRAMING GUIDELINE.
<i>CapLUTSettings</i>	Queries supported LUT SETTINGS.
<i>SetLUTSettings</i>	Sets the LUT SETTING.
<i>GetLUTSettings</i>	Gets the LUT SETTING.
<i>CapMovieMediaRecordContainer</i>	Queries supported FILE FORMAT settings of MEDIA REC SETTING.
<i>SetMovieMediaRecordContainer</i>	Sets the FILE FORMAT setting of MEDIA REC SETTING.
<i>GetMovieMediaRecordContainer</i>	Gets the FILE FORMAT setting of MEDIA REC SETTING.
<i>SetClipSetting</i>	Sets the CLIP SETTING.
<i>GetClipSetting</i>	Gets the CLIP SETTING.
<i>CapGenlockSetting</i>	Queries supported GENLOCK settings.
<i>SetGenlockSetting</i>	Sets the GENLOCK setting.
<i>GetGenlockSetting</i>	Gets the GENLOCK setting.
<i>CapMovieFrameGuideDisplay</i>	Queries supported FRAME1/FRAME2/FRAME3 DISP settings of FRAMING GUIDELINE. The FRAME number should be specified prior to calling this API via SetMovieFrameGuideMode.
<i>SetMovieFrameGuideDisplay</i>	Sets the FRAME1/FRAME2/FRAME3 DISP setting of FRAMING GUIDELINE. The FRAME number should be specified prior to calling this API via SetMovieFrameGuideMode.
<i>GetMovieFrameGuideDisplay</i>	Gets the FRAME1/FRAME2/FRAME3 DISP setting of FRAMING GUIDELINE.

	The FRAME number should be specified prior to calling this API via SetMovieFrameGuideMode.
<i>CapMovieFrameGuideAspect</i>	Queries supported ASPECT RATIO settings of FRAMING GUIDELINE. The FRAME number should be specified prior to calling this API via SetMovieFrameGuideMode.
<i>SetMovieFrameGuideAspect</i>	Sets the ASPECT RATIO setting of FRAMING GUIDELINE. The FRAME number should be specified prior to calling this API via SetMovieFrameGuideMode.
<i>GetMovieFrameGuideAspect</i>	Gets the ASPECT RATIO setting of FRAMING GUIDELINE. The FRAME number should be specified prior to calling this API via SetMovieFrameGuideMode.
<i>CapMovieFrameGuideColor</i>	Queries supported COLOR settings of FRAMING GUIDELINE. The FRAME number should be specified prior to calling this API via SetMovieFrameGuideMode.
<i>SetMovieFrameGuideColor</i>	Sets the COLOR setting of FRAMING GUIDELINE. The FRAME number should be specified prior to calling this API via SetMovieFrameGuideMode.
<i>GetMovieFrameGuideColor</i>	Gets the COLOR setting of FRAMING GUIDELINE. The FRAME number should be specified prior to calling this API via SetMovieFrameGuideMode.
<i>CapMovieFrameGuideLineThickness</i>	Queries supported FLAMELINE settings of FRAMING GUIDELINE. The FRAME number should be specified prior to calling this API via SetMovieFrameGuideMode.
<i>SetMovieFrameGuideLineThickness</i>	Sets the FLAMELINE setting of FRAMING GUIDELINE. The FRAME number should be specified prior to calling this API via SetMovieFrameGuideMode.
<i>GetMovieFrameGuideLineThickness</i>	Gets the FLAMELINE setting of FRAMING GUIDELINE. The FRAME number should be specified prior to calling this API via SetMovieFrameGuideMode.
<i>CapMovieFrameGuideMask</i>	Queries supported MASK DISP settings of MASK SETTING in the FRAMING GUIDELINE.
<i>SetMovieFrameGuideMask</i>	Sets the MASK DISP setting of MASK SETTING in the FRAMING GUIDELINE.
<i>GetMovieFrameGuideMask</i>	Gets the MASK DISP setting of MASK SETTING in the FRAMING GUIDELINE.
<i>CapMovieFrameGuideTransparency</i>	Queries supported MASK TRANSPARENCY settings of MASK SETTING in the FRAMING GUIDELINE.
<i>SetMovieFrameGuideTransparency</i>	Sets the MASK TRANSPARENCY setting of MASK SETTING in the

	FRAMING GUIDELINE.
<i>GetMovieFrameGuideTransparency</i>	Gets the MASK TRANSPARENCY setting of MASK SETTING in the FRAMING GUIDELINE.
<i>CapMovieFrameGuideCenterMarker</i>	Queries supported CENTERMASK DISP settings of CENTERMASK SETTING in the FRAMING GUIDELINE.
<i>SetMovieFrameGuideCenterMarker</i>	Sets the CENTERMASK DISP setting of CENTERMASK SETTING in the FRAMING GUIDELINE.
<i>GetMovieFrameGuideCenterMarker</i>	Gets the CENTERMASK DISP setting of CENTERMASK SETTING in the FRAMING GUIDELINE.
<i>SetMovieFrameGuideCustom</i>	Sets the CUSTOM ASPECT setting of FRAMING GUIDELINE. The FRAME number should be specified prior to calling this API via <i>SetMovieFrameGuideMode</i> .
<i>GetMovieFrameGuideCustom</i>	Sets the CUSTOM ASPECT setting of FRAMING GUIDELINE. The FRAME number should be specified prior to calling this API via <i>SetMovieFrameGuideMode</i> .
<i>GetMovieFrameGuideInfo</i>	Gets the FRAMING GUIDELINE configurations to reproduce the monitor screen.
<i>CapBatteryWarningPercent</i>	Queries supported V BATTERY LOW WARNING % settings.
<i>SetBatteryWarningPercent</i>	Sets the V BATTERY LOW WARNING % setting.
<i>GetBatteryWarningPercent</i>	Gets the V BATTERY LOW WARNING % setting.
<i>CapBatteryWarningVoltage</i>	Queries supported V BATTERY LOW WARNING V settings.
<i>SetBatteryWarningVoltage</i>	Sets the V BATTERY LOW WARNING V setting.
<i>GetBatteryWarningVoltage</i>	Gets the V BATTERY LOW WARNING V setting.
<i>GetBatteryVoltageInfo</i>	Gets the V BATTERY voltage in volt.
<i>CapMovieShutterDisplay</i>	Queries supported ANGLE / SPEED settings of SHUTTER.
<i>SetMovieShutterDisplay</i>	Sets the ANGLE / SPEED setting of SHUTTER.
<i>GetMovieShutterDisplay</i>	Gets the ANGLE / SPEED setting of SHUTTER.
<i>CapMovieShutterAngle</i>	Queries supported ANGLE settings of SHUTTER.
<i>SetMovieShutterAngle</i>	Sets the ANGLE setting of SHUTTER.
<i>GetMovieShutterAngle</i>	Gets the ANGLE setting of SHUTTER.
<i>CapFanStopDuringRec</i>	Queries supported REC MODE SETTINGS of COOLING FAN SETTING.
<i>SetFanStopDuringRec</i>	Sets the REC MODE SETTING of COOLING FAN SETTING.
<i>GetFanStopDuringRec</i>	Gets the REC MODE SETTING of COOLING FAN SETTING.
<i>GetClipDisplay</i>	Gets the CLIP value.
<i>CapMovieNDMode</i>	Queries supported ON / CLEAR settings of the ND.
<i>SetMovieNDMode</i>	Sets the ON / CLEAR setting of the ND.
<i>GetMovieNDMode</i>	Gets the ON / CLEAR setting of the ND.
<i>CapMovieNDDisplay</i>	Queries supported DENSITY / FACTOR settings of ND.

<i>SetMovieNDDisplay</i>	Sets the DENSITY / FACTOR setting of ND.
<i>GetMovieNDDisplay</i>	Gets the DENSITY / FACTOR setting of ND.
<i>CapMovieNDDensity</i>	Queries supported DENSITY settings of ND.
<i>SetMovieNDDensity</i>	Sets the DENSITY setting of ND.
<i>GetMovieNDDensity</i>	Gets the DENSITY setting of ND.
<i>CapMovieNDFactor</i>	Queries supported FACTOR settings of ND.
<i>SetMovieNDFactor</i>	Sets the FACTOR setting of ND.
<i>GetMovieNDFactor</i>	Gets the FACTOR setting of ND.
<i>GetLUTList</i>	Gets the LOOK list.
<i>GetLUTSettingsUserFileList</i>	Gets the list of the registered LUT.
<i>CapSDIOutput</i>	Queries supported SDI OUTPUT SETTINGS.
<i>SetSDIOutput</i>	Sets the SDI OUTPUT SETTING.
<i>GetSDIOutput</i>	Gets the SDI OUTPUT SETTING.
<i>CapSDIRecControl</i>	Queries supported SDI REC CONTROL settings.
<i>SetSDIRecControl</i>	Sets the SDI REC CONTROL setting.
<i>GetSDIRecControl</i>	Gets the SDI REC CONTROL setting.
<i>CapMovieTNumber</i>	Queries supported IRIS DISP settings.
<i>SetMovieTNumber</i>	Sets the IRIS DISP setting.
<i>GetMovieTNumber</i>	Gets the IRIS DISP setting.
<i>CapRGBHistogramDisplay</i>	Queries supported RGB HISTOGRAM settings.
<i>SetRGBHistogramDisplay</i>	Sets the RGB HISTOGRAM setting.
<i>GetRGBHistogramDisplay</i>	Gets the RGB HISTOGRAM setting.
<i>CapHistogramDisplay</i>	Queries supported HISTOGRAM settings.
<i>SetHistogramDisplay</i>	Sets the HISTOGRAM setting.
<i>GetHistogramDisplay</i>	Gets the HISTOGRAM setting.
<i>CapSDIHDMIOutputFps</i>	Queries supported SDI/HDMI OUTPUT FPS settings.
<i>SetSDIHDMIOutputFps</i>	Sets the SDI/HDMI OUTPUT FPS setting.
<i>GetSDIHDMIOutputFps</i>	Gets the SDI/HDMI OUTPUT FPS setting.
<i>CapFanHighSpeedOutput</i>	Queries supported HIGH MODE SETTINGS of COOLING FAN SETTING.
<i>SetFanHighSpeedOutput</i>	Sets the HIGH MODE SETTING of COOLING FAN SETTING.
<i>GetFanHighSpeedOutput</i>	Gets the HIGH MODE SETTING of COOLING FAN SETTING.
<i>CapFanLowSpeedOutput</i>	Queries supported LOW MODE SETTINGS of COOLING FAN SETTING.
<i>SetFanLowSpeedOutput</i>	Sets the LOW MODE SETTING of COOLING FAN SETTING.
<i>GetFanLowSpeedOutput</i>	Gets the LOW MODE SETTING of COOLING FAN SETTING.
<i>CapLookMode</i>	Queries supported LOOK selections.
<i>SetLookMode</i>	Sets the LOOK selection.

<i>GetLookMode</i>	Gets the LOOK selection.
<i>GetGenlockStatus</i>	Gets the GENLOCK status.
<i>GetMovieFNumberCurrentValue</i>	Gets the F number value.
<i>GetMovieTNumberCurrentValue</i>	Gets the T number value.
<i>GetMovieSensitivityFDGain</i>	Gets the Hi/Lo/AUTO condition of ISO.
<i>CapMovieFrameGuideMode</i>	Queries supported FRAME1/FRAME2/FRAME3 selections of FRAMING GUIDELINE.
<i>SetMovieFrameGuideMode</i>	Sets the FRAME1/FRAME2/FRAME3 selection of FRAMING GUIDELINE.
<i>GetMovieFrameGuideMode</i>	Gets the FRAME1/FRAME2/FRAME3 selection of FRAMING GUIDELINE.
<i>CapMovieFrameGuideScale</i>	Queries supported SCALE settings of FRAMING GUIDELINE. The FRAME number should be specified prior to calling this API via SetMovieFrameGuideMode.
<i>SetMovieFrameGuideScale</i>	Sets the SCALE setting of FRAMING GUIDELINE. The FRAME number should be specified prior to calling this API via SetMovieFrameGuideMode.
<i>GetMovieFrameGuideScale</i>	Gets the SCALE setting of FRAMING GUIDELINE. The FRAME number should be specified prior to calling this API via SetMovieFrameGuideMode.
<i>CapFrameGuideDisplayAll</i>	Queries supported FRAMING GUIDELINE DISP settings.
<i>SetFrameGuideDisplayAll</i>	Sets the FRAMING GUIDELINE DISP setting.
<i>GetFrameGuideDisplayAll</i>	Gets the FRAMING GUIDELINE DISP setting.
<i>CapFrameGuideMaskFrame</i>	Queries supported MASK FRAME SELECT settings of MASK SETTING in the FRAMING GUIDELINE.
<i>SetFrameGuideMaskFrame</i>	Sets the MASK FRAME SELECT setting of MASK SETTING in the FRAMING GUIDELINE.
<i>GetFrameGuideMaskFrame</i>	Gets the MASK FRAME SELECT setting of MASK SETTING in the FRAMING GUIDELINE.
<i>CapFrameGuideCenterMarkerPattern</i>	Queries supported CENTERMASK PATTERN settings of CENTERMASK SETTING in the FRAMING GUIDELINE.
<i>SetFrameGuideCenterMarkerPattern</i>	Sets the CENTERMASK PATTERN setting of CENTERMASK SETTING in the FRAMING GUIDELINE.
<i>GetFrameGuideCenterMarkerPattern</i>	Gets the CENTERMASK PATTERN setting of CENTERMASK SETTING in the FRAMING GUIDELINE.
<b>]Movie Control - IMAGE QUALITY SETTING</b>	
<i>CapMovieFilmSimulationMode</i>	Queries supported FILM SIMULATION settings.
<i>SetMovieFilmSimulationMode</i>	Sets the FILM SIMULATION setting.
<i>GetMovieFilmSimulationMode</i>	Gets the FILM SIMULATION setting.

<i>CapMovieMonochromaticColor</i>	Queries supported MONOCHROMATIC COLOR settings.
<i>SetMovieMonochromaticColor</i>	Sets the MONOCHROMATIC COLOR setting.
<i>GetMovieMonochromaticColor</i>	Gets the MONOCHROMATIC COLOR setting.
<i>CapMovieWhiteBalanceTune</i>	Queries supported WHITE BALANCE settings.
<i>SetMovieWhiteBalanceTune</i>	Sets the WHITE BALANCE setting.
<i>GetMovieWhiteBalanceTune</i>	Gets the WHITE BALANCE setting.
<i>CapMovieHighLightTone</i>	Queries supported TONE CURVE(HIGHLIGHTS) settings.
<i>SetMovieHighLightTone</i>	Sets the TONE CURVE(HIGHLIGHTS) setting.
<i>GetMovieHighLightTone</i>	Gets the TONE CURVE(HIGHLIGHTS) setting.
<i>CapMovieShadowTone</i>	Queries supported TONE CURVE(SHADOWS) settings.
<i>SetMovieShadowTone</i>	Sets the TONE CURVE(SHADOWS) setting.
<i>GetMovieShadowTone</i>	Gets the TONE CURVE(SHADOWS) setting.
<i>CapMovieColorMode</i>	Queries supported COLOR settings.
<i>SetMovieColorMode</i>	Sets the COLOR setting.
<i>GetMovieColorMode</i>	Gets the COLOR setting.
<i>CapMovieSharpness</i>	Queries supported SHARPNESS settings.
<i>SetMovieSharpness</i>	Sets the SHARPNESS setting.
<i>GetMovieSharpness</i>	Gets the SHARPNESS setting.
<i>CapMovieNoiseReduction</i>	Queries supported HIGH ISO NR settings.
<i>SetMovieNoiseReduction</i>	Sets the HIGH ISO NR setting.
<i>GetMovieNoiseReduction</i>	Gets the HIGH ISO NR setting.
<i>CapInterFrameNR</i>	Queries supported INTERFRAME NR settings.
<i>SetInterFrameNR</i>	Sets the INTERFRAME NR setting.
<i>GetInterFrameNR</i>	Gets the INTERFRAME NR setting.
<i>CapFlogDRangePriority</i>	Queries supported F-LOG2 D RANGE PRIORITY settings.
<i>SetFlogDRangePriority</i>	Sets the F-LOG2 D RANGE PRIORITY setting.
<i>GetFlogDRangePriority</i>	Gets the F-LOG2 D RANGE PRIORITY setting.
<i>CapMoviePeripheralLightCorrection</i>	Queries supported PERIPHERAL LIGHT CORRECTION settings.
<i>SetMoviePeripheralLightCorrection</i>	Sets the PERIPHERAL LIGHT CORRECTION setting.
<i>GetMoviePeripheralLightCorrection</i>	Gets the PERIPHERAL LIGHT CORRECTION setting.
<i>CapMoviePortraitEnhancer</i>	Queries supported MOVIE BEAUTIFUL SKIN PROCESSING settings.
<i>SetMoviePortraitEnhancer</i>	Sets the MOVIE BEAUTIFUL SKIN PROCESSING setting.
<i>GetMoviePortraitEnhancer</i>	Gets the MOVIE BEAUTIFUL SKIN PROCESSING setting.
<i>SetMovieWhiteBalancePreset</i>	Adds/edits/deletes the WB PRESET.
<i>GetMovieWhiteBalancePresetList</i>	Gets the WB PRESET list.
<b>Movie Control - AF/MF SETTING</b>	
<i>CapMovieFocusArea</i>	Queries supported FOCUS AREA settings.

<i>SetMovieFocusArea</i>	Sets the FOCUS AREA setting.
<i>GetMovieFocusArea</i>	Gets the FOCUS AREA setting.
<i>CapMovieAFMode</i>	Queries supported AF MODE settings.
<i>SetMovieAFMode</i>	Sets the AF MODE setting.
<i>GetMovieAFMode</i>	Gets the AF MODE setting.
<i>CapMovieAFCCustom</i>	Queries supported AF-C CUSTOM SETTINGS settings.
<i>SetMovieAFCCustom</i>	Sets the AF-C CUSTOM SETTINGS setting.
<i>GetMovieAFCCustom</i>	Gets the AF-C CUSTOM SETTINGS setting.
<i>CapMovieEyeAFMode</i>	Queries supported FACE/EYE DETECTION SETTING settings.
<i>SetMovieEyeAFMode</i>	Sets the FACE/EYE DETECTION SETTING setting.
<i>GetMovieEyeAFMode</i>	Gets the FACE/EYE DETECTION SETTING setting.
<i>CapMovieFaceDetectionMode</i>	Queries supported FACE DETECTION SETTING settings.
<i>SetMovieFaceDetectionMode</i>	Sets the FACE DETECTION SETTING setting.
<i>GetMovieFaceDetectionMode</i>	Gets the FACE DETECTION SETTING setting.
<i>CapMovieSubjectDetectionMode</i>	Queries supported SUBJECT DETECTION SETTING settings.
<i>SetMovieSubjectDetectionMode</i>	Sets the SUBJECT DETECTION SETTING setting.
<i>GetMovieSubjectDetectionMode</i>	Gets the SUBJECT DETECTION SETTING setting.
<i>GetTrackingAfFrameInfo</i>	Gets the subject detection tracking AF framing outline information.
<i>CapMovieFullTimeManual</i>	Queries supported AF+MF settings.
<i>SetMovieFullTimeManual</i>	Sets the M AF+MF setting.
<i>GetMovieFullTimeManual</i>	Gets the AF+MF setting.
<i>CapMovieMFAssistMode</i>	Queries supported MF ASSIST settings.
<i>SetMovieMFAssistMode</i>	Sets the MF ASSIST setting.
<i>GetMovieMFAssistMode</i>	Gets the MF ASSIST setting.
<i>CapMovieFocusCheckMode</i>	Queries supported FOCUS CHECK settings.
<i>SetMovieFocusCheckMode</i>	Sets the FOCUS CHECK setting.
<i>GetMovieFocusCheckMode</i>	Gets the FOCUS CHECK setting.
<i>CapMovieFocusCheckLock</i>	Queries supported FOCUS CHECK LOCK settings.
<i>SetMovieFocusCheckLock</i>	Sets the FOCUS CHECK LOCK setting.
<i>GetMovieFocusCheckLock</i>	Gets the FOCUS CHECK LOCK setting.
<i>GetFocusMapData</i>	Gets the FOCUS MAP data.
<i>GetMovieFocusMeter</i>	Gets the FOCUS METER status.
<b>Movie Control - AUDIO SETTING</b>	
<i>CapInternalMicLevel</i>	Queries supported INTERNAL MIC LEVEL ADJUSTMENT settings.
<i>SetInternalMicLevel</i>	Sets the INTERNAL MIC LEVEL ADJUSTMENT setting.
<i>GetInternalMicLevel</i>	Gets the INTERNAL MIC LEVEL ADJUSTMENT setting.
<i>CapInternalMicLevelManual</i>	Queries supported INTERNAL MIC LEVEL ADJUSTMENT (MANUAL) settings.

<i>SetInternalMicLevelManual</i>	Sets the INTERNAL MIC LEVEL ADJUSTMENT (MANUAL) setting.
<i>GetInternalMicLevelManual</i>	Gets the INTERNAL MIC LEVEL ADJUSTMENT (MANUAL) setting.
<i>CapExternalMicLevel</i>	Queries supported EXTERNAL MIC LEVEL ADJUSTMENT settings.
<i>SetExternalMicLevel</i>	Sets the EXTERNAL MIC LEVEL ADJUSTMENT setting.
<i>GetExternalMicLevel</i>	Sets the EXTERNAL MIC LEVEL ADJUSTMENT setting.
<i>CapExternalMicLevelManual</i>	Queries supported EXTERNAL MIC LEVEL ADJUSTMENT (MANUAL) settings.
<i>SetExternalMicLevelManual</i>	Sets the EXTERNAL MIC LEVEL ADJUSTMENT (MANUAL) setting.
<i>GetExternalMicLevelManual</i>	Gets the EXTERNAL MIC LEVEL ADJUSTMENT (MANUAL) setting.
<i>CapMicLevelLimiter</i>	Queries supported MIC LEVEL LIMITER settings.
<i>SetMicLevelLimiter</i>	Sets the MIC LEVEL LIMITER setting.
<i>GetMicLevelLimiter</i>	Gets the MIC LEVEL LIMITER setting.
<i>CapWindFilter</i>	Queries supported WIND FILTER settings.
<i>SetWindFilter</i>	Sets the WIND FILTER setting.
<i>GetWindFilter</i>	Gets the WIND FILTER setting.
<i>CapLowCutFilter</i>	Queries supported LOW CUT FILTER settings.
<i>SetLowCutFilter</i>	Sets the LOW CUT FILTER setting.
<i>GetLowCutFilter</i>	Gets the LOW CUT FILTER setting.
<i>CapHeadPhonesVolume</i>	Queries supported HEADPHONES VOLUME settings.
<i>SetHeadPhonesVolume</i>	Sets the HEADPHONES VOLUME setting.
<i>GetHeadPhonesVolume</i>	Gets the HEADPHONES VOLUME setting.
<i>CapXLRAdapterMicSource</i>	Queries supported MIC INPUT CHANNEL settings.
<i>SetXLRAdapterMicSource</i>	Sets the MIC INPUT CHANNEL setting.
<i>GetXLRAdapterMicSource</i>	Gets the MIC INPUT CHANNEL setting.
<i>CapXLRAdapterMonitoringSource</i>	Queries supported 4CH AUDIO MONITORING settings.
<i>SetXLRAdapterMonitoringSource</i>	Sets the 4CH AUDIO MONITORING setting.
<i>GetXLRAdapterMonitoringSource</i>	Gets the 4CH AUDIO MONITORING setting.
<i>CapXLRAdapterHDMIOutputSource</i>	Queries supported HDMI 4CH AUDIO OUTPUT settings.
<i>SetXLRAdapterHDMIOutputSource</i>	Sets the HDMI 4CH AUDIO OUTPUT setting.
<i>GetXLRAdapterHDMIOutputSource</i>	Gets the HDMI 4CH AUDIO OUTPUT setting.
<i>GetMicLevelIndicator</i>	Gets the MIC LEVEL.
<i>CapMovieRecVolume</i>	Queries supported REC START/STOP VOLUME setting.
<i>SetMovieRecVolume</i>	Sets the REC START/STOP VOLUME setting.
<i>GetMovieRecVolume</i>	Gets the REC START/STOP VOLUME setting.

<i>CapDirectionalMic</i>	Queries supported DIRECTIONAL MICROPHONE settings.
<i>SetDirectionalMic</i>	Sets the DIRECTIONAL MICROPHONE setting.
<i>GetDirectionalMic</i>	Gets the DIRECTIONAL MICROPHONE setting.
<b>Movie Control - TIME CODE SETTING</b>	
<i>CapTimeCodeDisplay</i>	Queries supported TIME CODE DISPLAY settings.
<i>SetTimeCodeDisplay</i>	Sets the TIME CODE DISPLAY setting.
<i>GetTimeCodeDisplay</i>	Gets the TIME CODE DISPLAY setting.
<i>CapTimeCodeStartSetting</i>	Queries supported START TIME SETTING settings.
<i>SetTimeCodeStartSetting</i>	Sets the START TIME SETTING setting.
<i>CapTimeCodeCountUp</i>	Queries supported COUNT UP SETTING settings.
<i>SetTimeCodeCountUp</i>	Sets the COUNT UP SETTING setting.
<i>GetTimeCodeCountUp</i>	Gets the COUNT UP SETTING setting.
<i>CapTimeCodeDropFrame</i>	Queries supported DROP FRAME settings.
<i>SetTimeCodeDropFrame</i>	Sets the DROP FRAME setting.
<i>GetTimeCodeDropFrame</i>	Gets the DROP FRAME setting.
<i>CapTimeCodeHDMIOutput</i>	Queries supported HDMI TIME CODE OUTPUT settings.
<i>SetTimeCodeHDMIOutput</i>	Sets the HDMI TIME CODE OUTPUT setting.
<i>GetTimeCodeHDMIOutput</i>	Gets the HDMI TIME CODE OUTPUT setting.
<i>CapATOMOSAirGluConnection</i>	Queries supported CONNECT TO ATOMOS AirGlu BT settings.
<i>SetATOMOSAirGluConnection</i>	Sets the CONNECT TO ATOMOS AirGlu BT settings.
<i>GetATOMOSAirGluConnection</i>	Gets the CONNECT TO ATOMOS AirGlu BT setting.
<i>GetTimeCode</i>	Gets the TIME CODE
<i>GetTimeCodeCurrentValue</i>	Gets the TIME CODE (current value).
<i>GetTimeCodeStatus</i>	Gets the TIME CODE SYNC. status.
<i>CapTimeCodeSyncSetting</i>	Queries supported TIME CODE SYNC. SETTINGS.
<i>SetTimeCodeSyncSetting</i>	Sets the TIME CODE SYNC. SETTING.
<i>GetTimeCodeSyncSetting</i>	Gets the TIME CODE SYNC. SETTING.
<i>CapTimeCodeConnector</i>	Queries supported TIME CODE CONNECTOR settings.
<i>SetTimeCodeConnector</i>	Sets the TIME CODE CONNECTOR setting.
<i>GetTimeCodeConnector</i>	Gets the TIME CODE CONNECTOR setting.
<b>Other Functions</b>	
<i>CapCustom.AutoPowerOff</i>	Queries supported customizable options for AUTO POWER OFF for “2 MIN”.
<i>SetCustom.AutoPowerOff</i>	Sets the custom AUTO POWER OFF for “2 MIN”.
<i>GetCustom.AutoPowerOff</i>	Gets the custom AUTO POWER OFF for “2 MIN”.
<i>CapPerformanceSettings</i>	Queries supported PERFORMANCE settings.
<i>SetPerformanceSettings</i>	Sets the PERFORMANCE setting.
<i>GetPerformanceSettings</i>	Get the PERFORMANCE setting.

<i>CapElectronicLevelSetting</i>	Queries supported ELECTRONIC LEVEL SETTING selections.
<i>SetElectronicLevelSetting</i>	Sets the ELECTRONIC LEVEL SETTING.
<i>GetElectronicLevelSetting</i>	Gets the ELECTRONIC LEVEL SETTING.
<i>CapUSBPowerSupplyCommunication</i>	Queries supported USB POWER SUPPLY / COMM SETTING selections.
<i>SetUSBPowerSupplyCommunication</i>	Sets the USB POWER SUPPLY / COMM SETTING.
<i>GetUSBPowerSupplyCommunication</i>	Gets the USB POWER SUPPLY / COMM SETTING.
<i>CapAutoPowerOffSetting</i>	Queries supported AUTO POWER OFF settings.
<i>SetAutoPowerOffSetting</i>	Sets the AUTO POWER OFF setting.
<i>GetAutoPowerOffSetting</i>	Gets the AUTO POWER OFF setting.
<i>CapFrameioFunction</i>	Queries supported CONNECT settings of Frame.io Camera to Cloud.
<i>SetFrameioFunction</i>	Sets the CONNECT setting of Frame.io Camera to Cloud.
<i>GetFrameioFunction</i>	Gets the CONNECT setting of Frame.io Camera to Cloud.
<i>GetFrameioPairingCode</i>	GETs PARING CODE of Frame.io Camera to Cloud.
<i>CapFrameioFileType</i>	Queries supported SELECT FILE TYPE settings of Frame.io Camera to Cloud.
<i>SetFrameioFileType</i>	Sets the SELECT FILE TYPE setting of Frame.io Camera to Cloud.
<i>GetFrameioFileType</i>	Gets the SELECT FILE TYPE setting of Frame.io Camera to Cloud.
<i>CapFrameioAutoImageTransfer</i>	Queries supported AUTO IMAGE TRANSFER ORDER settings of UPLOAD SETTING in the Frame.io Camera to Cloud.
<i>SetFrameioAutoImageTransfer</i>	Sets the AUTO IMAGE TRANSFER ORDER setting of UPLOAD SETTING in the Frame.io Camera to Cloud.
<i>GetFrameioAutoImageTransfer</i>	Gets the AUTO IMAGE TRANSFER ORDER setting of UPLOAD SETTING in the Frame.io Camera to Cloud.
<i>CapFrameioTransferSuspend</i>	Queries supported TRANSFER/SUSPEND settings of UPLOAD SETTING in the Frame.io Camera to Cloud.
<i>SetFrameioTransferSuspend</i>	Sets the TRANSFER/SUSPEND setting of UPLOAD SETTING in the Frame.io Camera to Cloud.
<i>GetFrameioTransferSuspend</i>	Gets the TRANSFER/SUSPEND setting of UPLOAD SETTING in the Frame.io Camera to Cloud.
<i>CapFrameioImageTransferWhilePowerOff</i>	Queries supported IMAGE TRANSFER WHILE POWER OFF settings of UPLOAD SETTING in the Frame.io Camera to Cloud.
<i>SetFrameioImageTransferWhilePowerOff</i>	Sets the IMAGE TRANSFER WHILE POWER OFF setting of UPLOAD SETTING in the Frame.io Camera to Cloud.
<i>GetFrameioImageTransferWhilePowerOff</i>	Gets the IMAGE TRANSFER WHILE POWER OFF setting of UPLOAD SETTING in the Frame.io Camera to Cloud.
<i>GetFrameioUploadStatus</i>	Gets the UPLOAD STATUS of Frame.io Camera to Cloud.
<i>GetFrameioTransferQueue</i>	Gets the TRANSFER QUEUE of Frame.io Camera to Cloud.
<i>CapFrameioResetTransferOrder</i>	Queries supported RESET TARNSEFER ORDER settings of Frame.io

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	Camera to Cloud.
<i>SetFrameioResetTransferOrder</i>	Sets the RESET TARNSEFER ORDER setting of Frame.io Camera to Cloud.
<i>GetFrameioConnectionStatus</i>	Gets the status of Frame.io Camera to Cloud.
<i>CapPlayBackFileFormat</i>	Queries supported MOVIE / STILL settings for PLAYback mode.
<i>SetPlayBackFileFormat</i>	Sets the MOVIE / STILL setting for PLAYback mode.
<i>GetPlayBackFileFormat</i>	Gets the MOVIE / STILL setting for PLAYback mode.

4. API Reference

4.1. COMMON APIs (Mandatory Functions)

4.1.1. Initialize / Finalize

4.1.1.1. XSDK\_Init

Description

Initializes and starts use of the SDK.

Syntax

```
XSDK_APIENTRY XSDK_Init (  
    LIB_HANDLE hLib  
);
```

COMMON API

Parameters

hLIB	(IN)	Under Windows, hLib is set to the HMODULE returned for the loaded XAPI.dll. If the SDK files are not in the same folder as the executable file, the SDK will use this parameter to load lower-layered libraries. If all the files are in the same folder as the executable file, this parameter can be set to NULL. Under macOS, set hLib to NULL.
------	------	---

Return Value

XSDK_COMPLETE	:	SUCCESS
XSDK_ERROR	:	ERROR

Remarks

This function can be used in State S0.

See Also

XSDK\_Exit

**4.1.1.2. XSDK\_Exit****Description**

Finalizes and terminates use of the SDK.

**Syntax**

```
XSDK_APIENTRY XSDK_Exit();
```

**Return Value**

XSDK_COMPLETE	:	SUCCESS
XSDK_ERROR	:	ERROR

**Remarks**

This function can be used in States S1 and S2.

**See Also**

XSDK\_Init

4.1.2. Enumeration

4.1.2.1. XSDK\_Detect

Description

Enumerates available cameras and generates a connected camera list.  
This API is not supported with the SDK for Android OS. In the case of Android OS following to the codes bellow please receive return values.

Syntax(other than Android OS)

```
XSDK_APIENTRY XSDK_Detect(
    long      lInterface,
    LPSTR     pInterface,
    LPSTR     pDeviceName,
    long*     plCount
);
```

COMMON API

Parameters

lInterface	(IN)	The interface, defined as follows using BIT-OR:	
		XSDK_DSC_IF_USB	USB
		XSDK_DSC_IF_WIFI_LOCAL	Network (searches in local segment)
		XSDK_DSC_IF_WIFI_IP	Network (assign in IPv4 address)
pInterface	(IN)	If the XSDK_DSC_IF_WIFI_IP bit of lInterface is on, pInterface specifies where to find the target camera. The search IP addresses (IPv4) can be listed as comma-separated values... E.g. "192.168.100.32, 192.168.100.33, 192.168.200.20" ...or as ranges using expressions such as: "192.168.100", meaning "192.168.100.1 to 192.168.100.254". "192.168.100.21-192.168.100.30", meaning "192.168.100.21 to 192.168.100.30". XSDK version 1.4.0.0 does not support detection using multiple addresses. You can specify only one IP address. E.g. "192.168.100.32" If XSDK_DSC_IF_WIFI_IP bit is not on, pInterface should be set to NULL.	
pDeviceName	(IN)	The name of the device that is the target of the search. E.g. "GFX100S" Set NULL to enumerate all available devices.	
plCount	(OUT)	Returns the number of devices detected.	

## Alternative codes

(Kotlin)

## MainActivity.kt

```

class MainActivity : AppCompatActivity() {
    object AndroidSDKResult{
        const val COMPLETE          = 0L
        const val ERROR              = -1L
    }
    object AndroidSDKErrorNumber{
        const val ERRCODE_NOERR      = 0x00000000L
        const val ERRCODE_SEQUENCE  = 0x00001001L
        const val ERRCODE_PERMISSION = 0x00001002L
        const val ERRCODE_UNKNOWN   = 0x00009100L
    }

    private lateinit var permissionIntent: PendingIntent
    private lateinit var usbManager: UsbManager
    private var device: UsbDevice? = null
    private var detectedDevice: UsbDevice? = null
    private var usbDeviceConnection: UsbDeviceConnection? = null
    private var detectedcount: Long = 0
    private var errordetails: Long = AndroidSDKErrorNumber.ERRCODE_NOERR
    private val hCamera: XSDK.SDKLong = XSDK.SDKLong(long = 0)

    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)

        permissionIntent = PendingIntent.getBroadcast(
            this,
            0,
            Intent("com.fujifilm.example.USB_PERMISSION").apply {
                this.`package` = packageName
            },
            if (Build.VERSION.SDK_INT >= Build.VERSION_CODES.S) PendingIntent.FLAG_MUTABLE else 0
        )
        if (savedInstanceState == null) {
            usbManager = getSystemService(USB_SERVICE) as UsbManager
        }
    }

```

```
}

private fun detect():Long {
    var result:Long = AndroidSDKResult.COMPLETE
    errordetails = AndroidSDKErrorNumber.ERRCODE_NOERR

    if (usbManager.deviceList.size == 1) {
        device = usbManager.deviceList.values.toList()[0]
    }else{
        device = null
        detectedDevice = null
        usbDeviceConnection = null
    }
    if (device != null) {
        if (usbManager.hasPermission(device)) {
            detectedDevice = device
            detectedcount = 1
        }else{
            usbManager.requestPermission(device, permissionIntent)
            if (usbManager.hasPermission(device)) {
                detectedDevice = device
                detectedcount = 1
            }else{
                errordetails = AndroidSDKErrorNumber.ERRCODE_PERMISSION
                result = AndroidSDKResult.ERROR
            }
        }
    }
    }else{
        detectedcount = 0
    }
    return result
}

private fun open(): Long {
    errordetails = AndroidSDKErrorNumber.ERRCODE_NOERR

    try {
        if (usbDeviceConnection != null) {
            errordetails = AndroidSDKErrorNumber.ERRCODE_SEQUENCE
            return AndroidSDKResult.ERROR
        }
    }
}
```

```

    }

    if (detectedDevice == null) {
        errordetails = AndroidSDKErrorNumber.ERRCODE_SEQUENCE
        return AndroidSDKResult.ERROR
    }

    val requiredDevice = detectedDevice!!
    if (!usbManager.hasPermission(requiredDevice)) {
        errordetails = AndroidSDKErrorNumber.ERRCODE_PERMISSION
        return AndroidSDKResult.ERROR
    }

    usbDeviceConnection = usbManager.openDevice(requiredDevice)
    val fd = usbDeviceConnection!!.fileDescriptor
    val descriptors = usbDeviceConnection!!.rawDescriptors
    return CameraControl.setUSBDeviceHandle(fd.toLong0, descriptors, hCamera)
} catch (e: Exception) {
    errordetails = AndroidSDKErrorNumber.ERRCODE_UNKNOWN
    return AndroidSDKResult.ERROR
}
}
}

```

#### CameraControl.kt

```

object CameraControl {

    fun setUSBDeviceHandle(fileDescriptor: Long, descriptors: ByteArray, hCamera: XSDK.SDKLong): Long {
        return xsdk.XSDK_SetUSBDeviceHandle(fileDescriptor, descriptors, hCamera)
    }
}

```

(Java)

MainActivity.java

```
public class MainActivity extends AppCompatActivity {

    private enum AndroidSDKResult{
        COMPLETE(0),
        ERROR(-1);

        private long id;

        private AndroidSDKResult(long id) {
            this.id = id;
        }

        public long getValue() {
            return this.id;
        }
    }

    private enum AndroidSDKErrorNumber{
        ERRCODE_NOERR(0x00000000),
        ERRCODE_SEQUENCE(0x00001001),
        ERRCODE_PERMISSION(0x00001002),
        ERRCODE_UNKNOWN(0x00009100);

        private long id;

        private AndroidSDKErrorNumber(long id) {
            this.id = id;
        }

        public long getValue() {
            return this.id;
        }
    }

    private PendingIntent permissionIntent;
```

```

private UsbManager usbManager;

private UsbDevice device = null;

private UsbDevice detectedDevice = null;

private UsbDeviceConnection usbDeviceConnection;

private static long detectedcount = 0;

private static long errordetails = AndroidSDKErrorNumber.ERRCODE_NOERR.getValue();

private static long hCamera[] = {0};

@Override

protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);

    Intent updateIntent = new Intent("com.fujifilm.example.USB_PERMISSION");
    updateIntent.setPackage(this.getPackageName());

    int flags;
    if (Build.VERSION.SDK_INT >= Build.VERSION_CODES.S){
        flags = PendingIntent.FLAG_MUTABLE;
    }
    else {
        flags = 0;
    }

    permissionIntent = PendingIntent.getBroadcast(this, 0, updateIntent, flags);
    if (savedInstanceState == null) {
        usbManager = (UsbManager) getSystemService(Context.USB_SERVICE);
    }
}

private long detect() {
    long result = AndroidSDKResult.COMPLETE.getValue();
    errordetails = AndroidSDKErrorNumber.ERRCODE_NOERR.getValue();

    HashMap<String, UsbDevice> deviceList = usbManager.getDeviceList();
    if (deviceList.size() == 1) {
        Iterator<UsbDevice> deviceIterator = deviceList.values().iterator();
        while(deviceIterator.hasNext()){
            device = deviceIterator.next();
            break;
        }
    }else{
        device = null;
    }
}

```

```
        detectedDevice = null;
        usbDeviceConnection = null;
    }

    if (device != null) {
        if (usbManager.hasPermission(device)) {
            detectedDevice = device;
            detectedcount = 1;
        } else {
            usbManager.requestPermission(device, permissionIntent);
            if (usbManager.hasPermission(device)) {
                detectedDevice = device;
                detectedcount = 1;
            } else {
                errordetails = AndroidSDKErrorNumber.ERRCODE_PERMISSION.getValue();
                result = AndroidSDKResult.ERROR.getValue();
            }
        }
    }
    }else{
        detectedcount = 0;
    }

    return result;
}

private long open() {
    errordetails = AndroidSDKErrorNumber.ERRCODE_NOERR.getValue();

    try {
        if (usbDeviceConnection != null) {
            errordetails = AndroidSDKErrorNumber.ERRCODE_SEQUENCE.getValue();
            return AndroidSDKResult.ERROR.getValue();
        }

        if (detectedDevice == null) {
            errordetails = AndroidSDKErrorNumber.ERRCODE_SEQUENCE.getValue();
            return AndroidSDKResult.ERROR.getValue();
        }

        UsbDevice requiredDevice = detectedDevice;
        if (!usbManager.hasPermission(requiredDevice)) {
            errordetails = AndroidSDKErrorNumber.ERRCODE_PERMISSION.getValue();
            return AndroidSDKResult.ERROR.getValue();
        }
    }
```

```

        usbDeviceConnection = usbManager.openDevice(requiredDevice);
        int fd = usbDeviceConnection.getFileDescriptor();
        byte[] descriptors = usbDeviceConnection.getRawDescriptors();
        return CameraControl.setUSBDeviceHandle(fd, descriptors, hCamera);
    } catch (Exception e) {
        errordetails = AndroidSDKErrorNumber.ERRCODE_UNKNOWN.getValue0();
        return AndroidSDKResult.ERROR.getValue0();
    }
}
}
CameraControl.java

```

```

public class CameraControl {

    public static long setUSBDeviceHandle(int fileDescriptor, byte[] descriptors, long[] hCamera) {
        return xsdk.XSDK_SetUSBDeviceHandle(fileDescriptor, descriptors, hCamera);
    }
}

```

**Return Value**

XSDK\_COMPLETE : SUCCESS  
 XSDK\_ERROR : ERROR

**Remarks**

This function can be used in States S1 and S2.

**See also**

<https://developer.android.com/develop/connectivity/usb/host>

**Note**

To control cameras on M1/M2 Mac with macOS15, please allow at least 3000 mS between XSDK\_Init() and XSDK\_Detect().

4.1.2.2. XSDK\_Append

Description

Update the connected camera list.  
This API is not supported with the SDK for Android OS, since the SDK for Android OS supports only one camera connection.

Syntax

```
XSDK_APIENTRY XSDK_Append(  
    long    lInterface,  
    LPSTR   pInterface,  
    LPSTR   pDeviceName,  
    long*   plCount,  
    XSDK_DeviceStatus* pDeviceList  
);
```

Parameters

lInterface	(IN)	The interface, defined as follows using BIT-OR:	XSDK_DSC_IF_USB	USB
			XSDK_DSC_IF_WIFI_LOCAL	Network (searches in local segment)
			XSDK_DSC_IF_WIFI_IP	Network (assign in IPv4 address)
pInterface	(IN)	If the XSDK_DSC_IF_WIFI_IP bit of lInterface is on, pInterface specifies where to find the target camera. The search IP addresses (IPv4) can be listed as comma-separated values... E.g. "192.168.100.32, 192.168.100.33, 192.168.200.20" ...or as ranges using expressions such as: "192.168.100", meaning "192.168.100.1 to 192.168.100.254". "192.168.100.21-192.168.100.30", meaning "192.168.100.21 to 192.168.100.30". XSDK version 1.4.0.0 does not support detection using multiple addresses. You can specify only one IP address. E.g. "192.168.100.32" If XSDK_DSC_IF_WIFI_IP bit is not on, pInterface should be set to NULL.		
pDeviceName	(IN)	The name of the device that is the target of the search. E.g. "GFX100S" Set NULL to enumerate all available devices.		
plCount	(IN/OUT)	Returns the number of devices detected.		
pCameraList	(OUT)	When the pDeviceList equals to NULL, the plCount returns the maximum field number of the connected camera list. To get all information for connected cameras, allocate sizeof(XSDK_DeviceStatus) * (*plCount)		

COMMON API

for pDeviceList and set the returned (\*pCount) to (\*pCount) before calling the XSDK\_Append().

```
typedef struct{
    char    strProduct[256];        //The model name
    char    strSerialNo[256];       //The serial number (USB only)
    char    strIPAddress[256];      //The IPv4 address (network connection only)
    char    strFramework[256];      //USB / ETHER(Ethernet) / IP(Wi-Fi)
    bool    bValid;                 //true: valid, false: invalid
} XSDK_CameraList;
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

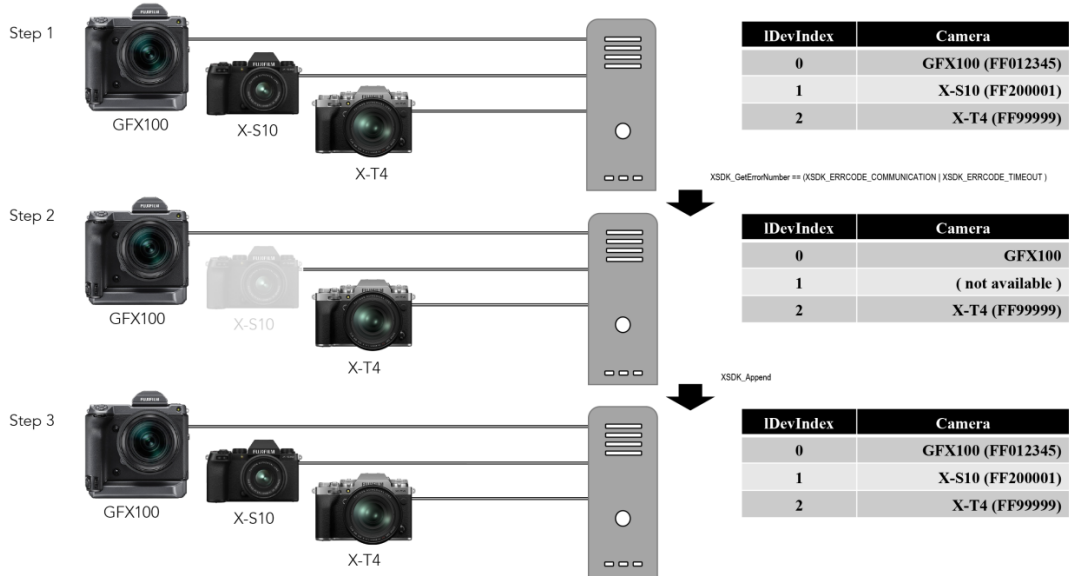
Remarks

This function can be used in State S2. The Stetes for some under controled cameras may be in State S3.

Note

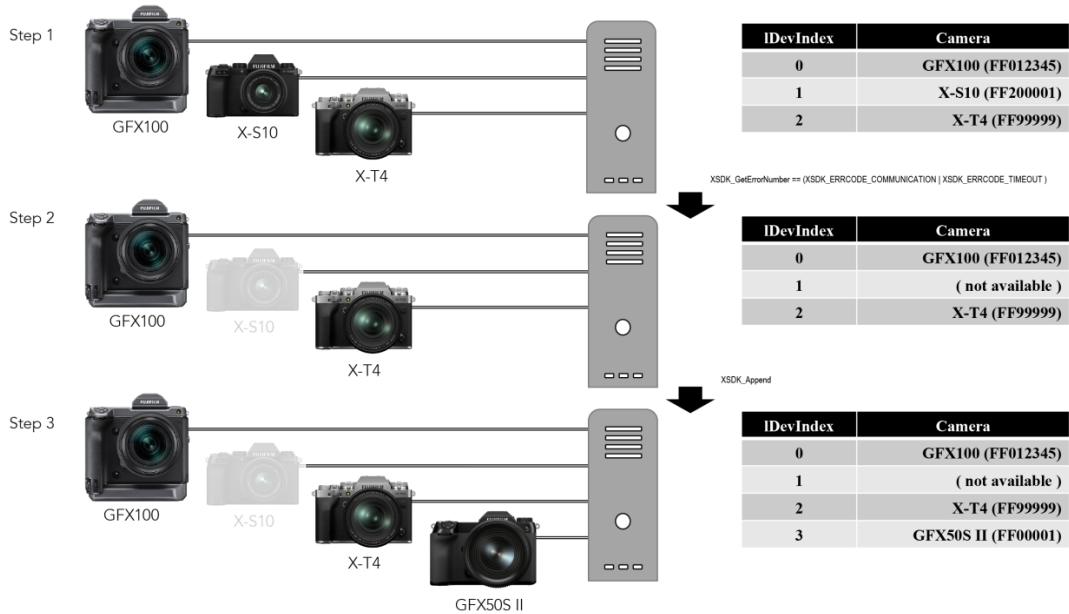
This API is used for appending newly connected camera to the camera list. To detcted a disconnection (or turning off) of the connected camera, please check the return value for the XSDK\_GetErrorNumber for any API call. When the return value is XSDK\_ERRCODE\_COMMUNICATION or XSDK\_ERRCODE\_TIMEOUT, the camera may be disconnected or beeing turned off.

The figure below shows an example when one connected camera is disconnected and then connected again. When the same camera is reconnected, the camera is registered to the same IDevIndex.



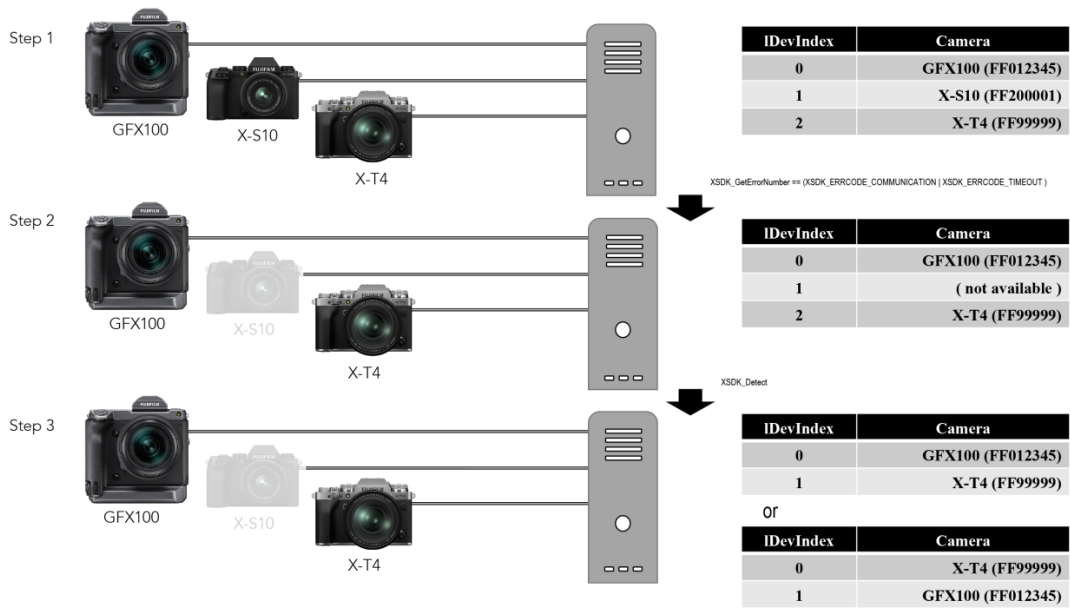
The figure below shows another example when one connected camera is disconnected and then another camera is connected.

When the new camera is conneted, the camera is registered to the new IDevIndex.



COMMON API

The figure below shows another example when one connected camera is disconnected and then call XSDK\_Detect. The camera list will be newly generated. The former IDevIndex is not guaranteed.



COMMON API

4.1.3. Session Management

4.1.3.1. XSDK\_OpenEx

Description

Establishes a session between the camera and the computer.  
This API is not supported with the SDK for Android OS. In the case of Android OS following to the codes bellow please receive return values.

Syntax(other than Android OS)

```
XSDK_APIENTRY XSDK_OpenEx(  
    LPCSTR                pDevice,  
    XSDK_HANDLE*          phCamera,  
    long*                 plCameraMode,  
    void*                 pOption  
);
```

COMMON API

Parameters

pDevice (IN) The name of the camera to which a connection is to be made as a NULL-terminated ASCII string. To name the camera via an index, use:  
"ENUM:<number>"  
where <number> is a string with a value of from 0 to the ( \*plCount - 1 ) returned by XSDK\_Detect. For example, if XSDK\_Detect returns \*plCount=2, pDevice can be either "ENUM:0" or "ENUM:1".  
To name the camera via its IP address, use:  
"IPv4:<ip address>"  
where <ip address> is a string giving an IPv4-style IP address. For example, to connect a camera with an IP address of 192.168.0.1, use:  
"IPv4:192.168.0.1"

phCamera	(OUT)	Returns the camera handle when the function completes.								
plCameraMode	(OUT)	Returns a bitmap of camera features compatible with tethering operations. <table><tr><td>XSDK_DSC_MODE_TETHER</td><td>Tethered shooting is supported</td></tr><tr><td>XSDK_DSC_MODE_RAW</td><td>The connection mode is USB RAW DEV.</td></tr><tr><td>XSDK_DSC_MODE_BR</td><td>Backup/Restore supported</td></tr><tr><td>XSDK_DSC_MODE_WEBCAM</td><td>Limited tethered shooting functions are supported (only for XWebcam operations)</td></tr></table>	XSDK_DSC_MODE_TETHER	Tethered shooting is supported	XSDK_DSC_MODE_RAW	The connection mode is USB RAW DEV.	XSDK_DSC_MODE_BR	Backup/Restore supported	XSDK_DSC_MODE_WEBCAM	Limited tethered shooting functions are supported (only for XWebcam operations)
XSDK_DSC_MODE_TETHER	Tethered shooting is supported									
XSDK_DSC_MODE_RAW	The connection mode is USB RAW DEV.									
XSDK_DSC_MODE_BR	Backup/Restore supported									
XSDK_DSC_MODE_WEBCAM	Limited tethered shooting functions are supported (only for XWebcam operations)									

pOption (IN) pOption should be set to NULL.

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Alternative codes****(Kotlin)****MainActivity.kt**

```
class MainActivity : AppCompatActivity() {
    object AndroidSDKResult{
        const val COMPLETE = 0L
        const val ERROR = -1L
    }
    object AndroidSDKErrorNumber{
        const val ERRCODE_NOERR = 0x00000000L
        const val ERRCODE_SEQUENCE = 0x00001001L
        const val ERRCODE_PERMISSION = 0x00001002L
        const val ERRCODE_UNKNOWN = 0x00009100L
    }

    private lateinit var permissionIntent: PendingIntent
    private lateinit var usbManager: UsbManager
    private var device: UsbDevice? = null
    private var detectedDevice: UsbDevice? = null
    private var usbDeviceConnection: UsbDeviceConnection? = null
    private var detectedcount: Long = 0
    private var errordetails: Long = AndroidSDKErrorNumber.ERRCODE_NOERR
    private val hCamera: XSDK.SDKLong = XSDK.SDKLong(long = 0)

    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)

        permissionIntent = PendingIntent.getBroadcast(
            this,
            0,
            Intent("com.fujifilm.example.USB_PERMISSION").apply {
                this.`package` = packageName
            },
            0
        )
    }
}
```

COMMON API

```
        if (Build.VERSION.SDK_INT >= Build.VERSION_CODES.S) PendingIntent.FLAG_MUTABLE else 0
    )
    if (savedInstanceState == null) {
        usbManager = getSystemService(USB_SERVICE) as UsbManager
    }
}

private fun detect():Long {
    var result:Long = AndroidSDKResult.COMPLETE
    errordetails = AndroidSDKErrorNumber.ERRCODE_NOERR

    if (usbManager.deviceList.size == 1) {
        device = usbManager.deviceList.values.toList()[0]
    }else{
        device = null
        detectedDevice = null
        usbDeviceConnection = null
    }
    if (device != null) {
        if (usbManager.hasPermission(device)) {
            detectedDevice = device
            detectedcount = 1
        }else{
            usbManager.requestPermission(device, permissionIntent)
            if (usbManager.hasPermission(device)) {
                detectedDevice = device
                detectedcount = 1
            }else{
                errordetails = AndroidSDKErrorNumber.ERRCODE_PERMISSION
                result = AndroidSDKResult.ERROR
            }
        }
    }
    else{
        detectedcount = 0
    }
    return result
}
```

```

private fun open(): Long {
    errordetails = AndroidSDKErrorNumber.ERRCODE_NOERR

    try {
        if (usbDeviceConnection != null) {
            errordetails = AndroidSDKErrorNumber.ERRCODE_SEQUENCE
            return AndroidSDKResult.ERROR
        }
        if (detectedDevice == null) {
            errordetails = AndroidSDKErrorNumber.ERRCODE_SEQUENCE
            return AndroidSDKResult.ERROR
        }
        val requiredDevice = detectedDevice!!
        if (!usbManager.hasPermission(requiredDevice)) {
            errordetails = AndroidSDKErrorNumber.ERRCODE_PERMISSION
            return AndroidSDKResult.ERROR
        }

        usbDeviceConnection = usbManager.openDevice(requiredDevice)
        val fd = usbDeviceConnection!!.fileDescriptor
        val descriptors = usbDeviceConnection!!.rawDescriptors
        return CameraControl.setUSBDeviceHandle(fd.toLong(), descriptors, hCamera)
    } catch (e: Exception) {
        errordetails = AndroidSDKErrorNumber.ERRCODE_UNKNOWN
        return AndroidSDKResult.ERROR
    }
}

```

#### CameraControl.kt

```

object CameraControl {

    fun setUSBDeviceHandle(fileDescriptor: Long, descriptors: ByteArray, hCamera: XSDK.SDKLong): Long {
        return xsdk.XSDK_SetUSBDeviceHandle(fileDescriptor, descriptors, hCamera)
    }
}

```

(Java)

MainActivity.java

```
public class MainActivity extends AppCompatActivity {

    private enum AndroidSDKResult{
        COMPLETE(0),
        ERROR(-1);

        private long id;

        private AndroidSDKResult(long id) {
            this.id = id;
        }

        public long getValue() {
            return this.id;
        }
    }

    private enum AndroidSDKErrorNumber{
        ERRCODE_NOERR(0x00000000),
        ERRCODE_SEQUENCE(0x00001001),
        ERRCODE_PERMISSION(0x00001002),
        ERRCODE_UNKNOWN(0x00009100);

        private long id;

        private AndroidSDKErrorNumber(long id) {
            this.id = id;
        }

        public long getValue() {
            return this.id;
        }
    }

    private PendingIntent permissionIntent;
```

```

private UsbManager usbManager;

private UsbDevice device = null;

private UsbDevice detectedDevice = null;

private UsbDeviceConnection usbDeviceConnection;

private static long detectedcount = 0;

private static long errordetails = AndroidSDKErrorNumber.ERRCODE_NOERR.getValue();

private static long hCamera[] = {0};

@Override

protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);

    Intent updateIntent = new Intent("com.fujifilm.example.USB_PERMISSION");
    updateIntent.setPackage(this.getPackageName());

    int flags;
    if (Build.VERSION.SDK_INT >= Build.VERSION_CODES.S){
        flags = PendingIntent.FLAG_MUTABLE;
    }
    else {
        flags = 0;
    }

    permissionIntent = PendingIntent.getBroadcast(this, 0, updateIntent, flags);
    if (savedInstanceState == null) {
        usbManager = (UsbManager) getSystemService(Context.USB_SERVICE);
    }
}

private long detect() {
    long result = AndroidSDKResult.COMPLETE.getValue();
    errordetails = AndroidSDKErrorNumber.ERRCODE_NOERR.getValue();

    HashMap<String, UsbDevice> deviceList = usbManager.getDeviceList();
    if (deviceList.size() == 1) {
        Iterator<UsbDevice> deviceIterator = deviceList.values().iterator();
        while(deviceIterator.hasNext()){
            device = deviceIterator.next();
            break;
        }
    }else{
        device = null;
    }
}

```

```

        detectedDevice = null;
        usbDeviceConnection = null;
    }

    if (device != null) {
        if (usbManager.hasPermission(device)) {
            detectedDevice = device;
            detectedcount = 1;
        } else {
            usbManager.requestPermission(device, permissionIntent);
            if (usbManager.hasPermission(device)) {
                detectedDevice = device;
                detectedcount = 1;
            } else {
                errordetails = AndroidSDKErrorNumber.ERRCODE_PERMISSION.getValue();
                result = AndroidSDKResult.ERROR.getValue();
            }
        }
    }
    }else{
        detectedcount = 0;
    }

    return result;
}

private long open() {
    errordetails = AndroidSDKErrorNumber.ERRCODE_NOERR.getValue();

    try {
        if (usbDeviceConnection != null) {
            errordetails = AndroidSDKErrorNumber.ERRCODE_SEQUENCE.getValue();
            return AndroidSDKResult.ERROR.getValue();
        }

        if (detectedDevice == null) {
            errordetails = AndroidSDKErrorNumber.ERRCODE_SEQUENCE.getValue();
            return AndroidSDKResult.ERROR.getValue();
        }

        UsbDevice requiredDevice = detectedDevice;
        if (!usbManager.hasPermission(requiredDevice)) {
            errordetails = AndroidSDKErrorNumber.ERRCODE_PERMISSION.getValue();
            return AndroidSDKResult.ERROR.getValue();
        }
    }
}

```

```
usbDeviceConnection = usbManager.openDevice(requiredDevice);
int fd = usbDeviceConnection.getFileDescriptor();
byte[] descriptors = usbDeviceConnection.getRawDescriptors();
return CameraControl.setUSBDeviceHandle(fd, descriptors, hCamera);
} catch (Exception e) {
    errordetails = AndroidSDKErrorNumber.ERRCODE_UNKNOWN.getValue();
    return AndroidSDKResult.ERROR.getValue();
}
}
```

#### CameraControl.java

```
public class CameraControl {

    public static long setUSBDeviceHandle(int fileDescriptor, byte[] descriptors, long[] hCamera) {
        return xsdk.XSDK_SetUSBDeviceHandle(fileDescriptor, descriptors, hCamera);
    }
}
```

#### Remarks

This function can be used in State S2.

#### See Also

XSDK\_Detect, XSDK\_Close, XSDK\_PowerOFF

4.1.3.2. XSDK\_SetUSBDeviceHandle

Description

This API is supported only with the SDK for Android OS.  
This API is called from the alternative code for XSDK\_OpenEx.  
This API provides opening camera feature on Android OS.

Syntax

```
XSDK_APIENTRY XSDK_SetUSBDeviceHandle(  
    long                lFileDescriptor,  
    unsigned char*      pRawDescriptors,  
    XSDK_HANDLE*        phCamera  
);
```

Parameters

lFileDescriptor	(IN)	The native file descriptor for the camera. Set the return value of the <code>UsbDeviceConnection.getFileDescriptor</code> prior to calling the API.
pRawDescriptors	(IN)	The raw USB descriptors for the camera. Set the return value of the <code>UsbDeviceConnection.getRawDescriptors</code> prior to calling the API.
phCamera	(OUT)	Returns the camera handle when the function completes.

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Remarks

This function can be used in State S2.

See Also

XSDK\_OpenEx, XSDK\_Close, XSDK\_PowerOFF

COMMON API

**4.1.3.3. XSDK\_Close****Description**

Closes the session between the camera and the computer.

**Syntax**

```
XSDK_APIENTRY XSDK_Close(  
    XSDK_HANDLE hCamera  
);
```

**Parameters**

hCamera	(IN)	Camera handle.
---------	------	----------------

**Return Value**

XSDK_COMPLETE	:	SUCCESS
XSDK_ERROR	:	ERROR

**IMPORTANT NOTICE**

Wait at least 600 mS after calling XSDK\_Close(). Sample source code:

```
:  
XSDK_Close();  
Sleep( 600 );  
XSDK_Exit();  
:
```

**Remarks**

This function can be used in State S3.

**See Also**

XSDK\_Detect, XSDK\_OpenEx, XSDK\_PowerOFF

**4.1.3.4. XSDK\_PowerOFF****Description**

Closes the session between the camera and the computer, and shut the camera down.

During shutdown, camera settings and counter logs are saved to the camera's non-volatile memory. To use the camera again, either:

- turn the camera off, wait a few moments, and then turn the camera on again, or
- keep the shutter button (or remote release) pressed for over two seconds.

**Syntax**

```
XSDK_APIENTRY XSDK_PowerOFF(  
    XSDK_HANDLE hCamera  
);
```

**Parameters**

hCamera            (IN)    Camera handle.

**Return Value**

XSDK\_COMPLETE    :    SUCCESS  
XSDK\_ERROR        :    ERROR

**Remarks**

This function can be used in State S3.

**See Also**

XSDK\_Detect, XSDK\_OpenEx, XSDK\_Close

4.1.4. Basic Functions

4.1.4.1. XSDK\_GetErrorNumber

Description

Gets the detailed result of the last called function.

Syntax

```
XSDK_APIENTRY XSDK_GetErrorNumber(  
    XSDK_HANDLE    hCamera,  
    long*           plAPICode,  
    long*           plERRCode  
);
```

Parameters

hCamera	(IN)	The camera handle must be provided in State S3; otherwise, hCamera can be set to NULL.
plAPICode	(OUT)	The last called API code.
plERRCode	(OUT)	See the ERROR CODES for details.

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Remarks

This function can be used in all states.

4.1.4.2. XSDK\_GetErrorDetails

Description

Gets details of the busy error when the plERRCode returned by a call to XSDK\_GetErrorNumber is XSDK\_ERRCODE\_RUNNING\_OTHER\_FUNCTION.

Syntax

```
XSDK_APIENTRY XSDK_GetErrorDetails(  
    XSDK_HANDLE    hCamera,  
    long*          plAPICode,  
    unsigned long* pulERRCode  
);
```

Parameters

hCamera	(IN)	The camera handle must be provided in State S3; otherwise, hCamera can be set to NULL.
plAPICode	(OUT)	The last called API code.
pulERRCode	(OUT)	Returns the function currently running.

XSDK_ERROR_DETAIL_AEL	AE is locked
XSDK_ERROR_DETAIL_AFL	AF is locked
XSDK_ERROR_DETAIL_INSTANTAF	INSTANT AF in operation
XSDK_ERROR_DETAIL_AFON	AF for AF ON in operation
XSDK_ERROR_DETAIL_SHOOTING	Shooting in progress
XSDK_ERROR_DETAIL_SHOOTINGCOUNTDOWN	SELF-TIMER in operation
XSDK_ERROR_DETAIL_RECORDING	Movie is in recording
XSDK_ERROR_DETAIL_LIVEVIEW	Liveview is in progress
XSDK_ERROR_DETAIL_UNTRANSFERRED_IMAGE	Pictures remain in the in-camera volatile memory

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Remarks

This function can be used in all states.

**4.1.4.3. XSDK\_GetVersionString****Description**

Gets version numbers in a string format.

**Syntax**

```
XSDK_APIENTRY XSDK_GetVersionString(  
    LPSTR pVersionString  
);
```

**Parameters**

pVersionString (OUT) Returns the SDK version as a string. Allocate space for a 256-byte character string before calling this function.

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Remarks**

This function can be used in all states.

4.1.5. Device Information

4.1.5.1. XSDK\_GetDeviceInfo

Description

Gets information about the connected camera.

Syntax

```
XSDK_APIENTRY XSDK_GetDeviceInfo(  
    XSDK_HANDLE          hCamera,  
    XSDK_DeviceInformation* pDevInfo  
);
```

Parameters

hCamera	(IN)	The camera handle.
pDevInfo	(OUT)	Returns camera information with the following data structure:  typedef struct { char strVendor[256];           // The name of the camera vendor (e.g. "FUJIFILM") char strManufacturer[256];     // The name of the camera manufacturer (e.g. "FUJIFILM") char strProduct[256];          // The camera model name (e.g. "GFX100S") char strFirmware[256];         // The camera firmware version (e.g. "1.00") char strDeviceType[256];       // char strSerialNo[256];         // The camera serial number char strFramework[256];        // The interface type ("USB" or "Wi-Fi") BYTE bDeviceId;               // char strDeviceName[32];        // A unique name set using XSDK_WriteDeviceName char strYNo[32];              // Reserved } XSDK_DeviceInformation;  Some information is not returned for some models.

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

XSDK\_WriteDeviceName

4.1.5.2. XSDK\_GetDeviceInfoEx

Description

Gets information about the connected camera and supported APIs by the camera.

Syntax

```
XSDK_APIENTRY XSDK_GetDeviceInfoEx(
    XSDK_HANDLE          hCamera,
    XSDK_DeviceInformation* pDevInfo,
    long*                 plNumAPICode,
    long*                 plAPICode
);
```

Parameters

hCamera	(IN)	The camera handle.
pDevInfo	(OUT)	Returns camera information with the following data structure: <div>typedef struct {     char strVendor[256];       // The name of the camera vendor (e.g. "FUJIFILM")     char strManufacturer[256]; // The name of the camera manufacturer (e.g. "FUJIFILM")     char strProduct[256];     // The camera model name (e.g. "GFX100S")     char strFirmware[256];    // The camera firmware version (e.g. "1.00")     char strDeviceType[256];   //     char strSerialNo[256];     // The camera serial number     char strFramework[256];   // The interface type ("USB" or "Wi-Fi")     BYTE bDeviceId;            //     char strDeviceName[32];    // A unique name set using XSDK_WriteDeviceName     char strYNo[32];          // Reserved } XSDK_DeviceInformation; Some information is not returned for some models.</div>
plNumAPICode	(OUT)	Returns the number of APICode supported.
plAPICode	(OUT)	If not NULL, plAPICode will return a list of APICode supported. Allocate sizeof(long) * (* plNumAPICode) bytes of space before calling this function.

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

COMMON API

XSDK\_WriteDeviceName

**Sample**

```
long lNumAPICode;
long* plAPICode;
XSDK_GetDeviceInfoEx( hCam, &lNumAPICode, NULL );
plAPICode = new long [lNumAPICode];
XSDK_GetDeviceInfoEx ( hCam, &lNumAPICode, plAPICode);
:
delete [] plAPICode;
```

4.1.5.3. XSDK\_WriteDeviceName

Description

Assigns a device-unique name to the camera.  
The name is written to the camera’s non-volatile memory and is useful for identifying a target camera when multiple cameras are connected.

Syntax

```
XSDK_APIENTRY XSDK_WriteDeviceName(  
    XSDK_HANDLE    hCamera,  
    LPCSTR          pDeviceName  
);
```

Parameters

hCamera	(IN)	The camera handle.
pDeviceName	(IN)	A unique name. Up to 32 characters including the NULL terminator.

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

XSDK\_GetDeviceInfo

COMMON API

4.1.5.4. XSDK\_GetFirmwareVersion

Description

Get the firmware version of the camera in string.

Syntax

```
XSDK_APIENTRY XSDK_GetFirmwareVersion(  
    XSDK_HANDLE    hCamera,  
    LPSTR          pFirmwareVersion  
)
```

Parameters

hCamera	(IN)	The camera handle.
pFirmwareVersion	(OUT)	Returns the camera firmware version as a string. Allocate space for a 256-byte character string before calling this function.

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

4.1.5.5. XSDK\_GetLensInfo

Description

Gets lens information from the camera.

Syntax

```
XSDK_APIENTRY XSDK_GetLensInfo(  
    XSDK_HANDLE      hCamera,  
    XSDK_LensInformation* pLensInfo  
);
```

Parameters

hCamera	(IN)	The camera handle.
pLensInfo	(OUT)	Returns the lens information with a following data structure:  typedef struct{ char strModel[20]; // Reserved char strProductName[100]; // The model name of the lens char strSerialNo[20]; // The serial number of the lens long lISCapability; // Lens image stabilization switch (1: Present, 0: Not present) long lMFCAbility; // Lens manual focus switch (1: Present, 0: Not present) long lZoomPosCapability; // SetZoomPos enabled Lens } XSDK_LensInformation;  If the camera features a built-in lens (fixed lens), strModel[0] and strSerialNo[0] will be set to NULL and strProductName will give the lens information, for example “FUJINON LENS 4.0x f=6.4-25.6mm 1:1.8-4.9”.  Where the lens does not supply information to the camera, as is the case with Leica M mount lens with a mount adapter, strModel[0] and strSerialNo[0] are set to NULL and strProductName gives the mount adapter setting, for example “28mm”.

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

4.1.5.6. XSDK\_GetLensVersion

Description

Gets the firmware version of the lens attached to the camera in a string format.

Syntax

```
XSDK_APIENTRY XSDK_GetLensVersion(  
    XSDK_HANDLE    hCamera,  
    LPSTR          pLensVersion  
);
```

Parameters

hCamera	(IN)	The camera handle.
pLensVersion	(OUT)	Returns the lens firmware version as a string. Allocate space for a 256-byte character string before calling this function.

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

COMMON API

4.1.6. Camera Operation Mode

4.1.6.1. XSDK\_CapPriorityMode

Description

Queries supported operation modes.  
“Camera Priority” mode allows operations to be performed from the camera using camera dials, buttons, shutter release, and other controls. In “PC Priority” mode, the camera can be operated from a computer, and camera dials, buttons, shutter release, and (with the exception of the lens manual focus ring) other controls cannot be used.

Syntax

```
XSDK_APIENTRY XSDK_CapPriorityMode(  
    XSDK_HANDLE    hCamera,  
    long*          plNumPriorityMode,  
    long*          plPriorityMode  
);
```

Parameters

hCamera	(IN)	The camera handle.
plNumPriorityMode	(OUT)	Returns the supported number of settings for XSDK_SetPriorityMode. A value of 2 will be returned, if the camera supports both “Camera Priority” and “PC Priority” modes.
plPriorityMode	(OUT)	If not NULL, plPriorityMode will return a list of the XSDK_SetPriorityMode settings supported. Allocate sizeof(long) * (*plNumPriorityMode) bytes of space before calling this function.

XSDK_PRIORITY_CAMERA	“Camera Priority” mode
XSDK_PRIORITY_PC	“PC Priority” mode

For example, a camera that supports both “Camera Priority” and “PC Priority” modes returns:  
plPriorityMode [0] = XSDK\_PRIORITY\_CAMERA  
plPriorityMode [1] = XSDK\_PRIORITY\_PC  
XSDK\_PRIORITY\_CAMERA and XSDK\_PRIORITY\_PC will not necessarily be returned in this order.

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

COMMON API

**Remarks**

This function can be used in State S3.

**See Also**

XSDK\_SetPriorityMode, XSDK\_GetPriorityMode

**Sample**

```
long lNumPriorityMode;
long* plPriorityMode;
XSDK_CapPriorityMode( hCam, &lNumPriorityMode, NULL );
plPriorityMode = new long [lNumPriorityMode];
XSDK_CapPriorityMode( hCam, &lNumPriorityMode, plPriorityMode);
:
delete [] plPriorityMode;
```

4.1.6.2. XSDK\_SetPriorityMode

Description

Sets the camera operation mode.

Syntax

```
XSDK_APIENTRY XSDK_SetPriorityMode(  
    XSDK_HANDLE    hCamera,  
    long            lPriorityMode,  
);
```

Parameters

hCamera	(IN)	The camera handle.
lPriorityMode	(IN)	The priority mode. See plPriorityMode of XSDK_CapPriorityMode.

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

XSDK\_CapPriorityMode, XSDK\_GetPriorityMode

COMMON API

4.1.6.3. XSDK\_GetPriorityMode

Description

Gets the current camera operation mode.

Syntax

```
XSDK_APIENTRY XSDK_GetPriorityMode(  
    XSDK_HANDLE    hCamera,  
    long*          plPriorityMode,  
);
```

Parameters

hCamera	(IN)	The camera handle.
plPriorityMode	(OUT)	The priority mode. See plPriorityMode of XSDK_CapPriorityMode.

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

XSDK\_CapPriorityMode, XSDK\_SetPriorityMode

**4.1.6.4. XSDK\_CapDriveMode****Description**

Queries supported drive modes.

**Syntax**

```
XSDK_APIENTRY XSDK_CapPriorityMode(
    XSDK_HANDLE    hCamera,
    long*           plNumDriveMode,
    long*           plDriveMode
);
```

**Parameters**

hCamera	(IN)	The camera handle.
plNumDriveMode	(OUT)	Returns the number of XSDK_SetDriveMode settings supported.
plDriveMode	(OUT)	If plDriveMode is NULL, the function will return only plNumDriveMode with the number of supported XSDK_SetDriveMode settings. Otherwise it will return plDriveMode with a list of the XSDK_SetDriveMode settings supported. Allocate sizeof(long) * (*plNumDriveMode) bytes of space before calling this function..

XSDK_DRIVE_MODE_S	STILL IMAGE (SINGLE)
XSDK_DRIVE_MODE_MOVIE	MOVIE
XSDK_DRIVE_MODE_CH	CH HIGH SPEED BURST
XSDK_DRIVE_MODE_CL	CL LOW SPEED BURST
XSDK_DRIVE_MODE_MULTI_EXPOSURE	MULTIPLE EXPOSURE
XSDK_DRIVE_MODE_ADVFILTER	ADVANCED FILTER
XSDK_DRIVE_MODE_PANORAMA	PANORAMA
XSDK_DRIVE_MODE_HDR	HDR
XSDK_DRIVE_MODE_BKT_AE	AE BKT
XSDK_DRIVE_MODE_BKT_ISO	ISO BKT
XSDK_DRIVE_MODE_BKT_FILMSIMULATION	FILM SIMULATION

	BKT
XSDK_DRIVE_MODE_BKT_WHITEBALANCE	WHITE BALANCE BKT
XSDK_DRIVE_MODE_BKT_DYNAMICRANGE	DYNAMIC RANGE BKT
XSDK_DRIVE_MODE_BKT_FOCUS	FOCUS BKT
XSDK_DRIVE_MODE_PIXELSHIFTMULTISHOT	PIXEL SHIFT MULTI SHOT
XSDK_DRIVE_MODE_CH_CROP	CH HIGH SPEED BURST (CROP)
XSDK_DRIVE_MODE_PIXELSHIFTMULTISHOT_FEWERFRAMES	PIXEL-SHIFT MULTI-SHOT ACCURATE COLOR

COMMON API

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

XSDK\_SetDriveMode, XSDK\_GetDriveMode

Sample

```
long lNumDriveMode;  
long* plDriveMode;  
XSDK_CapDriveMode( hCam, &lNumDriveMode, NULL );  
plDriveMode = new long [lNumDriveMode];  
XSDK_CapDriveMode( hCam, &lNumDriveMode, plDriveMode);  
:  
delete [] plDriveMode;
```

4.1.6.5. XSDK\_SetDriveMode

Description

Sets the camera drive mode.  
This function cannot be used to set the drive mode in the case of cameras for which the drive mode is selected mechanically via a mode dial.

Syntax

```
XSDK_APIENTRY XSDK_SetDriveMode(  
    XSDK_HANDLE    hCamera,  
    long            lDriveMode,  
);
```

Parameters

hCamera	(IN)	The camera handle.	
lDriveMode	(IN)	The drive mode.	
		XSDK_DRIVE_MODE_S	STILL IMAGE (SINGLE)
		XSDK_DRIVE_MODE_MOVIE	MOVIE

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

XSDK\_GetDriveMode

COMMON API

4.1.6.6. XSDK\_GetDriveMode

Description

Gets the current camera drive mode.  
We strongly recommend calling this function when you start controlling the camera, as most still photography control APIs will not be accepted when the camera is in MOVIE mode.

Syntax

```
XSDK_APIENTRY XSDK_GetDriveMode(  
    XSDK_HANDLE    hCamera,  
    long*          plDriveMode,  
);
```

Parameters

hCamera	(IN)	The camera handle.	
plDriveMode	(OUT)	The drive Mode.	
		XSDK_DRIVE_MODE_S	STILL IMAGE (SINGLE); in some cases this value is returned if tethered shooting is not supported.
		XSDK_DRIVE_MODE_MOVIE	MOVIE
		XSDK_DRIVE_MODE_PIXELSHIFTMULTISHOT	PIXELSHIFT MULTISHOT
		XSDK_DRIVE_MODE_INVALID	Returned if the camera is equipped with a mode dial and the dial is rotated to MOVIE.

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.  
Models not compatible with drones and gimbals always return “STILL IMAGE MODE”.

See Also

XSDK\_SetDriveMode

**4.1.6.7. XSDK\_CapMode****Description**

Queries supported camera MODES.

**Syntax**

```
XSDK_APIENTRY XSDK_CapMode(
    XSDK_HANDLE    hCamera,
    long*          plNumMode,
    long*          plMode
);
```

**Parameters**

hCamera	(IN)	The camera handle.
plNumMode	(OUT)	Returns the number of XSDK_SetMode settings supported.
plMode	(OUT)	If plMode is NULL, the function will return only plNumMode with the number of supported XSDK_SetMode settings. Otherwise it will return plMode with a list of the XSDK_SetMode settings supported.  Allocate sizeof(long) * (*plNumMode) bytes of space before calling this function..

XSDK_MODE_STILL_C0	STILL MODE P, S, A, or M
XSDK_MODE_STILL_C1	STILL MODE C1
XSDK_MODE_STILL_C2	STILL MODE C2
XSDK_MODE_STILL_C3	STILL MODE C3
XSDK_MODE_STILL_C4	STILL MODE C4
XSDK_MODE_STILL_C5	STILL MODE C5
XSDK_MODE_STILL_C6	STILL MODE C6
XSDK_MODE_STILL_C7	STILL MODE C7
XSDK_MODE_STILL_ADVFILTER	STILL MODE Advanced FILTER
XSDK_MODE_STILL_SP	STILL MODE Scene Position
XSDK_MODE_STILL_AUTO	STILL MODE AUTO
XSDK_MODE_MOVIE_C0	MOVIE MODE P, S, A, or M
XSDK_MODE_MOVIE_C1	MOVIE MODE C1
XSDK_MODE_MOVIE_C2	MOVIE MODE C2
XSDK_MODE_MOVIE_C3	MOVIE MODE C3
XSDK_MODE_MOVIE_C4	MOVIE MODE C4
XSDK_MODE_MOVIE_C5	MOVIE MODE C5
XSDK_MODE_MOVIE_C6	MOVIE MODE C6

XSDK_MODE_MOVIE_C7	MOVIE MODE C7
XSDK_MODE_MOVIE_VLOG	MOVIR MODE VLOG

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

XSDK\_SetMode, XSDK\_GetMode

Sample

```
long lNumMode;  
long* plMode;  
XSDK_CapMode( hCam, &lNumMode, NULL );  
plMode = new long [lNumMode];  
XSDK_CapMode( hCam, &lNumMode, plMode);  
:  
delete [] plMode;
```

4.1.6.8. XSDK\_SetMode

Description

Sets the camera MODE.  
This function cannot be used to set the MODE in the case of cameras for which the MODE is selected mechanically via a MODE DIAL.

Syntax

```
XSDK_APIENTRY XSDK_SetMode(  
    XSDK_HANDLE    hCamera,  
    long            lMode  
);
```

Parameters

hCamera	(IN)	The camera handle.
lMode	(IN)	The mode.

XSDK_MODE_STILL_C0	STILL MODE P, S, A, or M
XSDK_MODE_STILL_C1	STILL MODE C1
XSDK_MODE_STILL_C2	STILL MODE C2
XSDK_MODE_STILL_C3	STILL MODE C3
XSDK_MODE_STILL_C4	STILL MODE C4
XSDK_MODE_STILL_C5	STILL MODE C5
XSDK_MODE_STILL_C6	STILL MODE C6
XSDK_MODE_STILL_C7	STILL MODE C7
XSDK_MODE_STILL_ADVFILTER	STILL MODE Advanced FILTER
XSDK_MODE_STILL_SP	STILL MODE Scene Position
XSDK_MODE_STILL_AUTO	STILL MODE AUTO
XSDK_MODE_MOVIE_C0	MOVIE MODE P, S, A, or M
XSDK_MODE_MOVIE_C1	MOVIE MODE C1
XSDK_MODE_MOVIE_C2	MOVIE MODE C2
XSDK_MODE_MOVIE_C3	MOVIE MODE C3
XSDK_MODE_MOVIE_C4	MOVIE MODE C4
XSDK_MODE_MOVIE_C5	MOVIE MODE C5
XSDK_MODE_MOVIE_C6	MOVIE MODE C6
XSDK_MODE_MOVIE_C7	MOVIE MODE C7

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

COMMON API

**Remarks**

This function can be used in State S3.

**See Also**

XSDK\_GetMode, XSDK\_CapMode

4.1.6.9. XSDK\_GetMode

Description

Gets the current camera MODE.  
We strongly recommend calling this function when you start controlling the camera, as most still photography control APIs will not be accepted when the camera is in MOVIE mode.

Syntax

```
XSDK_APIENTRY XSDK_GetMode(  
    XSDK_HANDLE    hCamera,  
    long*          plMode  
);
```

Parameters

hCamera (IN) The camera handle.  
plMode (OUT) The Mode.

XSDK_MODE_STILL_C0	STILL MODE P, S, A, or M
XSDK_MODE_STILL_C1	STILL MODE C1
XSDK_MODE_STILL_C2	STILL MODE C2
XSDK_MODE_STILL_C3	STILL MODE C3
XSDK_MODE_STILL_C4	STILL MODE C4
XSDK_MODE_STILL_C5	STILL MODE C5
XSDK_MODE_STILL_C6	STILL MODE C6
XSDK_MODE_STILL_C7	STILL MODE C7
XSDK_MODE_STILL_ADVFILTER	STILL MODE Advanced FILTER
XSDK_MODE_STILL_SP	STILL MODE Scene Position
XSDK_MODE_STILL_AUTO	STILL MODE AUTO
XSDK_MODE_MOVIE_C0	MOVIE MODE P, S, A, or M
XSDK_MODE_MOVIE_C1	MOVIE MODE C1
XSDK_MODE_MOVIE_C2	MOVIE MODE C2
XSDK_MODE_MOVIE_C3	MOVIE MODE C3
XSDK_MODE_MOVIE_C4	MOVIE MODE C4
XSDK_MODE_MOVIE_C5	MOVIE MODE C5
XSDK_MODE_MOVIE_C6	MOVIE MODE C6
XSDK_MODE_MOVIE_C7	MOVIE MODE C7

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

COMMON API

**Remarks**

This function can be used in State S3.

**See Also**

XSDK\_SetMode, XSDK\_CapMode

4.1.7. Release Control

4.1.7.1. XSDK\_CapRelease

Description

Queries supported release-related modes (shutter release, AE-L, AF-L, ...) when the system is in PC priority mode.

Syntax

```
XSDK_APIENTRY XSDK_CapRelease(  
    XSDK_HANDLE    hCamera,  
    long*           plNumReleaseMode,  
    long*           plReleaseMode  
);
```

Parameters

hCamera	(IN)	The camera handle.
plNumReleaseMode	(OUT)	The number of supported XSDK_Release settings.
plReleaseMode	(OUT)	If plReleaseMode is NULL, the function will return only plNumReleaseMode with the number of supported XSDK_Release lReleaseMode settings. Otherwise it will return plReleaseMode with a list of the XSDK_Release lReleaseMode settings supported.  Allocate sizeof(long) * (*plNumReleaseMode) bytes of space before calling this function.

XSDK_RELEASE_SHOOT_S1OFF	Shutter button pressed all the way down and then released.
XSDK_RELEASE_S1ON	Shutter button pressed halfway.
XSDK_RELEASE_N_S1OFF	Shutter button released from the state of pressing halfway.
XSDK_RELEASE_S2_S1OFF	Shutter button pressed full-way from the state of pressing halfway, then finally released.
XSDK_RELEASE_BULBS2_ON	Shutter button pressed full-halfway from the state of pressing halfway to start BULB photography.
XSDK_RELEASE_N_BULBS1OFF	BULB photography ended.
XSDK_RELEASE_REC_START_S1OFF	Shutter button pressed full-halfway from the state of pressing halfway to start movie recording.
XSDK_RELEASE_REC_STOP	Movie recording ended.

XSDK_RELEASE_PIXELSHIFT	PIXEL SHIFT MULTI SHOT started.
XSDK_RELEASE_CUSWB	CUSTOM WHITE BALANCE measuring shot started.
XSDK_RELEASE_INSTANTAF	Instant AF ON
XSDK_RELEASE_N_INSTANTAF	Instant AF OFF
XSDK_RELEASE_AEON	AE-L ON
XSDK_RELEASE_N_AEOFF	AE-L OFF
XSDK_RELEASE_AFON	AF-L ON
XSDK_RELEASE_N_AFOFF	AF-L OFF
XSDK_RELEASE_WBLON	AWB-L ON
XSDK_RELEASE_N_WBLOFF	AWB-L OFF
XSDK_RELEASE_AF	AF ON
XSDK_RELEASE_N_AF	AF OFF
XSDK_RELEASE_CANCEL	Long time-exposure cancelled while in progress.

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Remarks**

This function can be used in State S3.

**See Also**

XSDK\_Release

**Sample**

```
long lNumReleaseMode;  
long* plReleaseMode;  
XSDK_CapRelease( hCam, &lNumReleaseMode, NULL );  
plReleaseMode = new long [lNumReleaseMode];  
XSDK_CapRelease( hCam, &lNumReleaseMode, plReleaseMode);  
:  
delete [] plReleaseMode;
```

4.1.7.2. XSDK\_Release

Description

Triggers shutter release-related operations (shutter release, AE-L, AF-L, ...) when the system is in PC priority mode.

IMPORTANT NOTICE

To operate full-press shutter button, half-shutter control prior to the full-press shutter is required.  
The XSDK\_Release for full-press shutter control returns immediately. To ascertain the completion of shooting operation, you should poll the camera buffer by XSDK\_GetBufferCapacity() or XSDK\_ReadImageInfo().

Syntax

```
XSDK_APIENTRY XSDK_Release(  
    XSDK_HANDLE    hCamera,  
    long            lReleaseMode,  
    long*           pShotOpt,  
    long*           pStatus  
);
```

Parameters

hCamera	(IN)	The camera handle.
lReleaseMode	(IN)	See plReleaseMode of XSDK_CapRelease.
pShotOpt	(IN)/ (OUT)	Specifies the number of pictures to be taken per burst in burst photography modes and returns the number of pictures actually taken.
pStatus	(OUT)	Sometimes returns AF status when the function is called for S1- and S2-related operations..

XSDK_RELEASE_OK	AF in focus
XSDK_RELEASE_AF_FAILURE	AF is not in focus
XSDK_RELEASE_AF_UNCHECK	AF status is not available

Calls to measure custom white balance return autoexposure status.

XSDK_RELEASE_CWB_AE_NOERROR	Custom WB succeeded
XSDK_RELEASE_CWB_AE_OVER	Error with over exposed
XSDK_RELEASE_CWB_AE_UNDER	Error with under exposed

Return Value

XSDK\_COMPLETE : SUCCESS

XSDK\_ERROR : ERROR

**Remarks**

This function can be used in State S3.

**See Also**

XSDK\_CapRelease

**4.1.7.3. XSDK\_CapReleaseEx****Description**

Queries supported release-related modes (shutter release, AE-L, AF-L, ...) when the system is in CAMERA priority mode.

**Syntax**

```
XSDK_APIENTRY XSDK_CapReleaseEx(
    XSDK_HANDLE    hCamera,
    long*           plNumReleaseMode,
    unsigned long*  pulReleaseMode
);
```

**Parameters**

hCamera	(IN)	The camera handle.
plNumReleaseMode	(IN)	The number of supported XSDK_Release settings.
pulReleaseMode	(OUT)	If pulReleaseMode is NULL, the function will return only plNumReleaseMode with the number of supported XSDK_ReleaseEx ulReleaseMode settings. Otherwise it will return pulReleaseMode with a list of the XSDK_ReleaseEx ulReleaseMode settings supported. Allocate sizeof(long) * (*plNumReleaseMode) bytes of space before calling this function.

XSDK_RELEASE_EX_S1_ON	Shutter button pressed halfway.
XSDK_RELEASE_EX_S1_OFF	Shutter button released from the state of pressing halfway.
XSDK_RELEASE_EX_S2_ON	Shutter button pressed full-way
XSDK_RELEASE_EX_S2_OFF	Shutter button released from the state of pressing full-way to halfway.
XSDK_RELEASE_EX_REC_START	Movie recording button ON (recording started). Available only if camera has movie recording button.
XSDK_RELEASE_EX_REC_STOP	Movie recording button OFF (recording ended). Available only if camera has movie recording button.
XSDK_RELEASE_EX_CUSWB_ON	Start CUSTOM WHITE BALANCE measuring shooting.
XSDK_RELEASE_EX_CUSWB_OFF	End CUSTOM WHITE BALANCE measuring shooting mode.

XSDK_RELEASE_EX_CANCEL	Long time-exposure cancelled while in progress.
XSDK_RELEASE_EX_INSTANTAF_ON	Instant AF ON
XSDK_RELEASE_EX_INSTANTAF_OFF	Instant AF OFF
XSDK_RELEASE_EX_AEL_ON	AE-L ON
XSDK_RELEASE_EX_AEL_OFF	AE-L OFF
XSDK_RELEASE_EX_AFL_ON	AF-L ON
XSDK_RELEASE_EX_AFL_OFF	AF-L OFF
XSDK_RELEASE_EX_AFON_ON	AF ON
XSDK_RELEASE_EX_AFON_OFF	AF OFF
XSDK_RELEASE_EX_WBL_ON	AWB-L ON
XSDK_RELEASE_EX_WBL_OFF	AWB-L OFF
XSDK_RELEASE_EX_S1_ON_S2_ON_S2_OFF_S1_OFF	Shutter button pressed all the way down and then released.
XSDK_RELEASE_EX_S2_ON_S2_OFF_S1_OFF	Shutter button pressed full-way from the state of pressing halfway, then finally released
XSDK_RELEASE_EX_S2_OFF_S1_OFF	Shutter button pressed full-halfway from the state of pressing halfway.
XSDK_RELEASE_EX_GRAB	Still Image Capture

**Return Value**

XSDK\_COMPLETE : SUCCESS

XSDK\_ERROR : ERROR

**Remarks**

This function can be used in State S3.

**See Also**

XSDK\_ReleaseEx

**Sample**

```
long lNumReleaseMode;
unsigned long* pulReleaseMode;
XSDK_CapReleaseEx( hCam, &lNumReleaseMode, NULL );
pulReleaseMode = new unsigned long [lNumReleaseMode];
XSDK_CapReleaseEx( hCam, &lNumReleaseMode, pulReleaseMode);
:
delete [] pulReleaseMode;
```

4.1.7.4. XSDK\_ReleaseEx

Description

Triggers shutter release-related operations (shutter release, AE-L, AF-L, ...) when the system is in CAMERA priority mode.

IMPORTANT NOTICE

To operate full-press shutter button, half-shutter control prior to the full-press shutter is required.  
The XSDK\_ReleaseEx for full-press shutter control returns immediately. To ascertain the completion of shooting operation, you should poll the camera buffer by XSDK\_GetBufferCapacity() or XSDK\_ReadImageInfo().

Syntax

```
XSDK_APIENTRY XSDK_ReleaseEx(  
    XSDK_HANDLE    hCamera,  
    unsigned long   ulReleaseMode,  
    long*           pShotOpt,  
    long*           pStatus  
);
```

Parameters

hCamera	(IN)	The camera handle.
ulReleaseMode	(IN)	See pulReleaseMode of XSDK_CapReleaseEx.
pShotOpt	(IN)/ (OUT)	Specifies the number of pictures to be taken per burst in burst photography modes and returns the number of pictures actually taken.
pStatus	(OUT)	Sometimes returns AF status when the function is called for S1- and S2-related operations..

XSDK_RELEASE_OK	AF in focus
XSDK_RELEASE_AF_FAILURE	AF is not in focus
XSDK_RELEASE_AF_UNCHECK	AF status is not available

Calls to measure custom white balance return autoexposure status.

XSDK_RELEASE_CWB_AE_NOERROR	Custom WB succeeded
XSDK_RELEASE_CWB_AE_OVER	Error with over exposed
XSDK_RELEASE_CWB_AE_UNDER	Error with under exposed

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Remarks**

This function can be used in State S3.

**See Also**

XSDK\_CapReleaseEx

4.1.7.5. XSDK\_GetReleaseStatus

Description

Gets the status of release operation.

Syntax

```
XSDK_APIENTRY XSDK_GetReleaseStatus(  
    XSDK_HANDLE    hCamera,  
    long*          plReleaseStatus,  
);
```

Parameters

hCamera (IN) The camera handle.

plReleaseStatus (OUT) Returns release status via bit ON/OFF.

XSDK_RELEASE_STATUS_S1	S1 operation in progress
XSDK_RELEASE_STATUS_BULB	BULB release in progress
XSDK_RELEASE_STATUS_AF	AF operation in progress
XSDK_RELEASE_STATUS_AEL	AE locked
XSDK_RELEASE_STATUS_AFL	AF locked
XSDK_RELEASE_STATUS_WBL	WB locked
XSDK_RELEASE_STATUS_SHOOTING	Burst photography in progress
(other bits)	(reserved)

Return Value

XSDK\_COMPLETE : SUCCESS

XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

XSDK\_CapRelease, XSDK\_Release

4.1.8. Image Acquisition

4.1.8.1. XSDK\_ReadImageInfo

Description

Gets information from an image from the top of the in-camera buffer.

Syntax

```
XSDK_APIENTRY XSDK_ReadImageInfo(  
    XSDK_HANDLE          hCamera,  
    XSDK_ImageInformation* pImgInfo  
);
```

Parameters

hCamera	(IN)	The camera handle.
pImgInfo	(OUT)	Returns the image information with a following data structure:

```
typedef struct{  
    char strInternalName[32]; // Internal file name  
    long IFormat;             // Image format  
    long IDataSize;           // Data size (file size)  
    long IImagePixHeight;     // Image pixel height  
    long IImagePixWidth;      // Image pixel width  
    long IImageBitDepth;      // Image bit depth  
    long IPreviewSize;        // Size of preview image  
} XSDK_ImageInformation;
```

IFormat:

IFormat & 0x00FF	Image format
XSDK_IMAGEFORMAT_RAW	RAW
XSDK_IMAGEFORMAT_LIVE	Live view JPEG
XSDK_IMAGEFORMAT_NONE	No image in the queue
XSDK_IMAGEFORMAT_THUMBNAIL	Thmbnail
XSDK_IMAGEFORMAT_JPEG	JPEG
XSDK_IMAGEFORMAT_HEIF	HEIF

IFormat & 0x0F00	Description
0x0000	Picture taken with camera rotated 0°.
0x0600	Picture taken with camera rotated 90°.
0x0300	Picture taken with camera rotated 180°.

0x0800	Picture taken with camera rotated 270°.
--------	---

lPreviewSize:  
If the camera supports preview transfer with a captured image at the top of the queue, lPreviewSize returns the size of the preview. Use XSDK\_ReadPreview to get the preview. If the camera does not support preview transfer, lPreviewSize will return zero.

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

XSDK\_ReadImage, XSDK\_ReadPreview

COMMON API

#### 4.1.8.2. XSDK\_ReadPreview

##### Description

Gets a low-resolution image of the image from the top of the in-camera buffer.

The image at the top of the queue is not deleted after the preview is read.

This function can be used with images with a non-zero value for XSDK\_ImageInformation::lPreviewSize.

The preview is always in JPEG format. You may find this function useful for Wi-Fi and other slow connections.

##### Syntax

```
XSDK_APIENTRY XSDK_ReadPreview (  
    XSDK_HANDLE      hCamera,  
    unsigned char*    pData,  
    unsigned long     lDataSize  
)
```

COMMON API

##### Parameters

hCamera	(IN)	The camera handle.
pData	(IN)	A pointer to the read-image buffer.

##### Return Value

XSDK_COMPLETE	:	SUCCESS
XSDK_ERROR	:	ERROR

##### Remarks

This function can be used in State S3.

##### See Also

XSDK\_ReadImageInfo

**4.1.8.3. XSDK\_ReadImage****Description**

Gets a captured image from the top of the in-camera buffer and deletes it from the buffer.

**Syntax**

```
XSDK_APIENTRY XSDK_ReadImage(  
    XSDK_HANDLE    hCamera,  
    unsigned char*  pData,  
    unsigned long    ulDataSize  
)
```

**Parameters**

hCamera	(IN)	The camera handle.
pData	(IN)	A pointer to the read-image buffer.
ulDataSize	(IN)	The number of bytes allocated for pData.

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Remarks**

This function can be used in State S3.

**Note**

We recommend that both the RAW and JPEG pictures shot in RAW+JPEG mode simultaneously have the same file name.

**4.1.8.4. XSDK\_DeleteImage****Description**

Deletes a captured image from the top of the in-camera buffer.

**Syntax**

```
XSDK_APIENTRY XSDK_DeleteImage(  
    XSDK_HANDLE    hCamera,  
)
```

**Parameters**

hCamera            (IN)    The camera handle.

**Return Value**

XSDK\_COMPLETE    :    SUCCESS  
XSDK\_ERROR        :    ERROR

**Remarks**

This function can be used in State S3.

**See Also**

XSDK\_ReadImage, XSDK\_ReadImageInfo,

4.1.8.5. XSDK\_GetBufferCapacity

Description

Gets the status of the in-camera buffer.

Syntax

```
XSDK_APIENTRY XSDK_GetBufferCapacity(  
    XSDK_HANDLE    hCamera,  
    long*          plShootFrameNum,  
    long*          plTotalFrameNum  
);
```

Parameters

hCamera	(IN)	The camera handle.
plShootFrameNum	(OUT)	Returns the number of frames shot (the number of captured images).
plTotalFrameNum	(OUT)	Returns the total number of frames.

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

XSDK\_ReadImage, XSDK\_DeleteImage

4.1.9. Exposure Control

4.1.9.1. XSDK\_CapAEMode

Description

Queries supported exposure modes (P/A/S/M) to set.

Syntax

```
XSDK_APIENTRY XSDK_CapAEMode(  
    XSDK_HANDLE    hCamera,  
    long*          pINumAEMode,  
    long*          plAEMode  
);
```

Parameters

hCamera	(IN)	The camera handle.
pINumAEMode	(OUT)	Returns the number of supported XSDK_SetAEMode settings.
plAEMode	(OUT)	If not NULL, plAEMode will return a list of the XSDK_SetAEMode settings supported.

XSDK_AE_OFF	0x0001	Manual mode
XSDK_AE_APERTURE_PRIORITY	0x0003	Aperture-priority mode
XSDK_AE_SHUTTER_PRIORITY	0x0004	Shutter-priority mode
XSDK_AE_PROGRAM	0x0006	Program AE mode

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

XSDK\_SetAEMode, XSDK\_GetAEMode

COMMON API

**Sample**

```
long lNumAEMode;  
long* pIAEMode;  
XSDK_CapAEMode ( hCam, & lNumAEMode, NULL );  
pIAEMode = new long [lNumAEMode];  
XSDK_CapAEMode ( hCam, &lNumAEMode, pIAEMode );  
:  
delete [] pIAEMode;
```

4.1.9.2. XSDK\_SetAEMode

Description

Sets the exposure mode setting.

Syntax

```
XSDK_APIENTRY XSDK_SetAEMode(  
    XSDK_HANDLE    hCamera,  
    long            lAEMode,  
)
```

Parameters

hCamera	(IN)	The camera handle.
lAEMode	(IN)	The exposure mode to which the camera will be set. See plAEMode of “XSDK_CapAEMode”.

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

XSDK\_CapAEMode, XSDK\_GetAEMode

4.1.9.3. XSDK\_GetAEMode

Description

Gets the exposure mode setting.

Syntax

```
XSDK_APIENTRY XSDK_GetAEMode(  
    XSDK_HANDLE    hCamera,  
    long*          plaEMode,  
)
```

Parameters

hCamera	(IN)	The camera handle.
plaEMode	(OUT)	Returns the exposure mode. See plaEMode of “XSDK_CapAEMode”.

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

XSDK\_CapAEMode, XSDK\_SetAEMode

**4.1.9.4. XSDK\_CapShutterSpeed****Description**

Queries supported shutter speeds to set.

The results vary with the exposure mode and shutter type (mechanical or electronic); set the exposure mode and shutter type before calling this function. (To set the shutter type via the SDK, only the XSDK\_SetBackupSettings is available).

**Syntax**

```
XSDK_APIENTRY XSDK_CapShutterSpeed(
    XSDK_HANDLE    hCamera,
    long*          plNumShutterSpeed,
    long*          plShutterSpeed,
    long*          plBulbCapable
);
```

**Parameters**

hCamera (IN) The camera handle.

plNumShutterSpeed (OUT) Returns the number of supported XSDK\_SetShutterSpeed settings.

plShutterSpeed (OUT) If not NULL, plShutterSpeed will return a list of the XSDK\_SetShutterSpeed settings supported.

Allocate sizeof(long) \* (\*plNumShutterSpeed) bytes of space before calling this function.

Tv	SS	Value	Macro definition
17 3/6	1/180000	5	XSDK_SHUTTER_1_180000
17 2/6	1/160000	6	XSDK_SHUTTER_1_160000
17	1/128000	7	XSDK_SHUTTER_1_128000
16 4/6	1/102400	9	XSDK_SHUTTER_1_102400
16 2/6	1/80000	12	XSDK_SHUTTER_1_80000
16	1/64000	15	XSDK_SHUTTER_1_60000
15 4/6	1/51200	19	XSDK_SHUTTER_1_50000
15 2/6	1/40000	24	XSDK_SHUTTER_1_40000
15	1/32000	30	XSDK_SHUTTER_1_32000
14 5/6		34	
14 4/6	1/25000	38	XSDK_SHUTTER_1_25600
14 3/6	1/24000	43	XSDK_SHUTTER_1_24000
14 2/6	1/20000	48	XSDK_SHUTTER_1_20000
14 1/6		54	

14	1/16000	61	XSDK_SHUTTER_1_16000
13 5/6		68	
13 4/6	1/13000	76	XSDK_SHUTTER_1_12800
13 3/6	1/12000	86	XSDK_SHUTTER_1_12000
13 2/6	1/10000	96	XSDK_SHUTTER_1_10000
13 1/6		108	
13	1/8000	122	XSDK_SHUTTER_1_8000
12 5/6		137	
12 4/6	1/6400	153	XSDK_SHUTTER_1_6400
12 3/6	1/6000	172	XSDK_SHUTTER_1_6000
12 2/6	1/5000	193	XSDK_SHUTTER_1_5000
12 1/6		217	
12	1/4000	244	XSDK_SHUTTER_1_4000
11 5/6		274	
11 4/6	1/3200	307	XSDK_SHUTTER_1_3200
11 3/6	1/3000	345	XSDK_SHUTTER_1_3000
11 2/6	1/2500	387	XSDK_SHUTTER_1_2500
11 1/6		435	
11	1/2000	488	XSDK_SHUTTER_1_2000
10 5/6		548	
10 4/6	1/1600	615	XSDK_SHUTTER_1_1600
10 3/6	1/1500	690	XSDK_SHUTTER_1_1500
10 2/6	1/1250	775	XSDK_SHUTTER_1_1250
10 1/6		870	
10	1/1000	976	XSDK_SHUTTER_1_1000
9 5/6		1096	
9 4/6	1/800	1230	XSDK_SHUTTER_1_800
9 3/6	1/750	1381	XSDK_SHUTTER_1_750
9 2/6	1/640	1550	XSDK_SHUTTER_1_640
9 1/6		1740	
9	1/500	1953	XSDK_SHUTTER_1_500
8 5/6		2192	
8 4/6	1/400	2460	XSDK_SHUTTER_1_400
8 3/6	1/350	2762	XSDK_SHUTTER_1_350
8 2/6	1/320	3100	XSDK_SHUTTER_1_320
8 1/6		3480	
8	1/250	3906	XSDK_SHUTTER_1_250
7 5/6		4384	

7 4/6	1/200	4921	XSDK_SHUTTER_1_200
7 3/6	1/180	5524	XSDK_SHUTTER_1_180
7 2/6	1/160	6200	XSDK_SHUTTER_1_160
7 1/6		6960	
7	1/125	7812	XSDK_SHUTTER_1_125
6 5/6		8769	
6 4/6	1/100	9843	XSDK_SHUTTER_1_100
6 3/6	1/90	11048	XSDK_SHUTTER_1_90
6 2/6	1/80	12401	XSDK_SHUTTER_1_80
6 1/6		13920	
6	1/60	15625	XSDK_SHUTTER_1_60
5 5/6		17538	
5 4/6	1/50	19686	XSDK_SHUTTER_1_50
5 3/6	1/45	22097	XSDK_SHUTTER_1_45
5 2/6	1/40	24803	XSDK_SHUTTER_1_40
5 1/6		27840	
5	1/30	31250	XSDK_SHUTTER_1_30
4 5/6		35076	
4 4/6	1/25	39372	XSDK_SHUTTER_1_25
4 3/6	1/20	44194	XSDK_SHUTTER_1_20H
4 2/6	1/20	49606	XSDK_SHUTTER_1_20
4 1/6		55681	
4	1/15	62500	XSDK_SHUTTER_1_15
3 5/6		70153	
3 4/6	1/13	78745	XSDK_SHUTTER_1_13
3 3/6	1/10	88388	XSDK_SHUTTER_1_10H
3 2/6	1/10	99212	XSDK_SHUTTER_1_10
3 1/6		111362	
3	1/8	125000	XSDK_SHUTTER_1_8
2 5/6		140307	
2 4/6	1/6	157490	XSDK_SHUTTER_1_6
2 3/6	1/6	176776	XSDK_SHUTTER_1_6H
2 2/6	1/5	198425	XSDK_SHUTTER_1_5
2 1/6		222724	
2	1/4	250000	XSDK_SHUTTER_1_4
1 5/6		280615	
1 4/6	1/3	314980	XSDK_SHUTTER_1_3
1 3/6	1/3	353553	XSDK_SHUTTER_1_3H

1 2/6	1/2.5	396850	XSDK_SHUTTER_1_2P5
1 1/6		445449	
1	1/2	500000	XSDK_SHUTTER_1_2
5/6		561231	
4/6	1/1.6	629960	XSDK_SHUTTER_1_1P6
3/6	1/1.5	707106	XSDK_SHUTTER_1_1P5
2/6	1/1.3	793700	XSDK_SHUTTER_1_1P3
1/6		890898	
0	1"	1000000	XSDK_SHUTTER_1
- 1/6		1122462	
- 2/6	1.3"	1259921	XSDK_SHUTTER_1P3
- 3/6	1.5"	1414213	XSDK_SHUTTER_1P5
- 4/6	1.6"	1587401	XSDK_SHUTTER_1P6
- 5/6		1781797	
-1	2"	2000000	XSDK_SHUTTER_2
-1 1/6		2244924	
-1 2/6	2.5"	2519842	XSDK_SHUTTER_2P5
-1 3/6	3"	2828427	XSDK_SHUTTER_3H
-1 4/6	3"	3174802	XSDK_SHUTTER_3
-1 5/6		3563594	
-2	4"	4000000	XSDK_SHUTTER_4
-2 1/6		4489848	
-2 2/6	5"	5039684	XSDK_SHUTTER_5
-2 3/6	6"	5656854	XSDK_SHUTTER_6H
-2 4/6	6"	6349604	XSDK_SHUTTER_6
-2 5/6		7127189	
-3	8"	8000000	XSDK_SHUTTER_8
-3 1/6		8979696	
-3 2/6	10"	10079368	XSDK_SHUTTER_10
-3 3/6	10"	11313708	XSDK_SHUTTER_10H
-3 4/6	13"	12699208	XSDK_SHUTTER_13
-3 5/6		14254379	
-4	15"	16000000	XSDK_SHUTTER_15
-4 1/6		17959392	
-4 2/6	20"	20158736	XSDK_SHUTTER_20
-4 3/6	20"	22627416	XSDK_SHUTTER_20H
-4 4/6	25"	25398416	XSDK_SHUTTER_25
-4 5/6		28508758	

-5	30"	32000000	XSDK_SHUTTER_30
		0	XSDK_SHUTTER_UNKNOWN
	BULB	-1	XSDK_SHUTTER_BULB

Please refer the XAPI.H for the full list.

plBulbCapable (OUT) 0: BULB not supported  
1: BULB supported in exposure mode M.

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.  
The results vary with the exposure mode and shutter type (mechanical or electronic); set the exposure mode and shutter type before calling this function. For example, in program AE mode, \*plNumShutterSpeed will be zero.

See Also

XSDK\_SetShutterSpeed, XSDK\_GetShutterSpeed

Sample

```
long lNumShutterSpeed, lBulbCapable;
long* plShutterSpeed;
XSDK_CapShutterSpeed ( hCam, &lNumShutterSpeed, NULL, &lBulbCapable );
plShutterSpeed = new long [ lNumShutterSpeed ];
XSDK_CapShutterSpeed ( hCam, &lNumShutterSpeed, plShutterSpeed, &lBulbCapable );
:
delete [] plShutterSpeed;
```

COMMON API

4.1.9.5. XSDK\_SetShutterSpeed

Description

Sets the shutter speed value.

Syntax

```
XSDK_APIENTRY XSDK_SetShutterSpeed(  
    XSDK_HANDLE    hCamera,  
    long            lShutterSpeed,  
    long            lBulb  
)
```

Parameters

hCamera	(IN)	The camera handle.
lShutterSpeed	(IN)	The shutter speed to which the camera will be set. See plShutterSpeed of “XSDK_CapShutterSpeed”. lShutterSpeed is ignored if lBulb = 1.
lBulb	(IN)	0: lShutterSpeed is valid for setting the shutter speed 1: BULB mode.

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

XSDK\_CapShutterSpeed, XSDK\_GetShutterSpeed

4.1.9.6. XSDK\_GetShutterSpeed

Description

Gets the shutter speed setting.

Syntax

```
XSDK_APIENTRY XSDK_GetShutterSpeed(  
    XSDK_HANDLE    hCamera,  
    long*          plShutterSpeed,  
    long*          plBulb  
)
```

Parameters

hCamera	(IN)	The camera handle.
plShutterSpeed	(OUT)	Returns the shutter speed. If BULB is selected for shutter speed, the function returns XSDK_SHUTTER_BULB. XSDK_SHUTTER_UNKNOWN is returned if the function called during playback or while the setup menu is in use. See the remarks for XSDK_SS_* for a macro definition. Calls to this function while the shutter button is pressed halfway may return shutter speeds in increments of 1/10 EV. For information on negative values, refer to the header file.
plBulb	(OUT)	Receive the shutter speed setting is BULB or not. 0: Camera not in BULB mode 1: Camera in BULB mode

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

In exposure modes P (program AE) and A (aperture-priority AE), the function can be used to query the shutter speed calculated automatically by the camera, returning a value calculated based on increments of 1/10 Tv.

Use the pre-defined macro XSDK\_SS\_\* to help monitor shutter speed.

The function returns a value for \*plShutterSpeed of XSDK\_SHUTTER\_UNKNOWN for shutter speeds that are not multiples of 1/6 EV.

See Also

XSDK\_CapShutterSpeed, XSDK\_SetShutterSpeed

**4.1.9.7. XSDK\_CapExposureBias****Description**

Queries supported exposure compensations to set.

The results for some models vary with the exposure mode; set the exposure mode before calling this function.

**Syntax**

```
XSDK_APIENTRY XSDK_CapExposureBias(
    XSDK_HANDLE    hCamera,
    long*          plNumExposureBias,
    long*          plExposureBias
)
```

**Parameters**

hCamera	(IN)	The camera handle.
plNumExposureBias	(OUT)	Returns the number of supported XSDK_SetExposureBias settings.
plExposureBias	(OUT)	If not NULL, plExposureBias will return a list of the XSDK_SetExposureBias settings supported. Allocate sizeof(long) * (*plNumExposureBias) bytes of space before calling this function.

Value	Exposure Comp.	Macro definition
:	:	:
-150	-5 EV	XSDK_EXPOSURE_BIAS_M5P00
:	:	:
-90	-3 EV	XSDK_EXPOSURE_BIAS_M3P00
-87	-2.9 EV	XSDK_EXPOSURE_BIAS_M2P90
-85	-2 5/6 EV	XSDK_EXPOSURE_BIAS_M2P83
-84	-2.8 EV	XSDK_EXPOSURE_BIAS_M2P80
-81	-2.7 EV	XSDK_EXPOSURE_BIAS_M2P70
-80	-2 2/3 EV	XSDK_EXPOSURE_BIAS_M2P67
-78	-2.6	XSDK_EXPOSURE_BIAS_M2P60
-75	-2 1/2 EV	XSDK_EXPOSURE_BIAS_M2P50
-72	-2.4	XSDK_EXPOSURE_BIAS_M2P40
-70	-2 1/3 EV	XSDK_EXPOSURE_BIAS_M2P33
-69	-2.3 EV	XSDK_EXPOSURE_BIAS_M2P30
-66	-2.2 EV	XSDK_EXPOSURE_BIAS_M2P20
-65	-2 1/6 EV	XSDK_EXPOSURE_BIAS_M2P17
-63	-2.1 EV	XSDK_EXPOSURE_BIAS_M2P10

-60	-2 EV	XSDK_EXPOSURE_BIAS_M2P00
:	:	:
0	0 EV	XSDK_EXPOSURE_BIAS_0
:	:	:
+150	5 EV	XSDK_EXPOSURE_BIAS_P5P00
:	:	:

Value	Exposure Step	Macro definition
3	1/10 EV	XSDK_EXPOSURE_BIAS_STEP_1_10
5	1/6 EV	XSDK_EXPOSURE_BIAS_STEP_1_6
10	1/3 EV	XSDK_EXPOSURE_BIAS_STEP_1_3
15	1/2 EV	XSDK_EXPOSURE_BIAS_STEP_1_2

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Remarks**

This function can be used in State S3.

The results for some models vary with the exposure mode; set the exposure mode before calling this function.

**See Also**

XSDK\_SetExposureBias, XSDK\_GetExposureBias

4.1.9.8. XSDK\_SetExposureBias

Description

Sets the exposure compensation value.

Syntax

```
XSDK_APIENTRY XSDK_SetExposureBias(  
    XSDK_HANDLE    hCamera,  
    long            lExposureBias  
)
```

Parameters

hCamera	(IN)	The camera handle.
lExposureBias	(IN)	The value to which exposure compensation will be set. See plExposureBias of XSDK_CapExposureBias for information on supported values.

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

XSDK\_CapExposureBias, XSDK\_GetExposureBias

4.1.9.9. XSDK\_GetExposureBias

Description

Gets the exposure compensation setting.

Syntax

```
XSDK_APIENTRY XSDK_GetExposureBias(  
    XSDK_HANDLE    hCamera,  
    long*          pExposureBias  
)
```

Parameters

hCamera	(IN)	The camera handle.
pExposureBias	(OUT)	Returns the current exposure compensation value. See pExposureBias of XSDK_CapExposureBias for information on supported values.

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

XSDK\_CapExposureBias, XSDK\_SetExposureBias

4.1.9.10. XSDK\_CapDynamicRange

Description

Queries supported dynamic ranges to set.

Syntax

```
XSDK_APIENTRY XSDK_CapSensitivityDR(  
    XSDK_HANDLE    hCamera,  
    long*          plNumDynamicRange,  
    long*          plDynamicRange,  
);
```

Parameters

hCamera	(IN)	The camera handle.
plNumDynamicRange	(IN)	Returns the number of supported XSDK_SetDynamicRange settings.
plDynamicRange	(IN)	If not NULL, plDynamicRange will return a list of the XSDK_SetDynamicRange settings supported. Allocate sizeof(long) * (*plNumDynamicRange) bytes of space before calling this function.

0xffff	XSDK_DRANGE_AUTO	Dynamic range AUTO
Other values		Dynamic range in %

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

XSDK\_CapSensitivity, XSDK\_SetSensitivity, XSDK\_GetSensitivity, XSDK\_SetDynamicRange,  
XSDK\_GetDynamicRange

**Sample**

```
long lNumDynamicRange;
long* plDynamicRange;
XSDK_CapDynamicRange ( hCam, &lNumDynamicRange, NULL );
plDynamicRange = new long [lNumDynamicRange];
XSDK_CapDynamicRange ( hCam, &lNumDynamicRange, plDynamicRange );
:
delete []plDynamicRange;
```

4.1.9.11. XSDK\_SetDynamicRange

Description

Sets the dynamic range value.

Syntax

```
XSDK_APIENTRY XSDK_SetDynamicRange(  
    XSDK_HANDLE    hCamera,  
    long    lDynamicRange  
);
```

Parameters

hCamera	(IN)	The camera handle.
lDynamicRange	(IN)	The value to which dynamic range will be set. See plDynamicRange of XSDK_CapDynamicRange for information on supported values.

Return Value

XSDK_COMPLETE	:	SUCCESS
XSDK_ERROR	:	ERROR

Remarks

This function can be used in State S3.

See Also

XSDK\_CapSensitivity, XSDK\_SetSensitivity, XSDK\_GetSensitivity, XSDK\_CapDynamicRange, XSDK\_GetDynamicRange

COMMON API

4.1.9.12. XSDK\_GetDynamicRange

Description

Gets the dynamic range setting.

Syntax

```
XSDK_APIENTRY XSDK_GetDynamicRange(  
    XSDK_HANDLE    hCamera,  
    long*          plDynamicRange  
);
```

Parameters

hCamera	(IN)	The camera handle.
plDynamicRange	(OUT)	Returns the dynamic range. See plDynamicRange of XSDK_CapDynamicRange for information on supported values.

Return Value

XSDK_COMPLETE	:	SUCCESS
XSDK_ERROR	:	ERROR

Remarks

This function can be used in State S3.

See Also

XSDK\_CapSensitivity, XSDK\_SetSensitivity, XSDK\_GetSensitivity, XSDK\_CapDynamicRange, XSDK\_SetDynamicRange

COMMON API

**4.1.9.13. XSDK\_CapSensitivity****Description**

Queries supported ISO sensitivities to set.

Given that the settings available vary with the value selected for dynamic range, we recommend that you query sensitivity for all dynamic ranges.

**Syntax**

```
XSDK_APIENTRY XSDK_CapSensitivity(
    XSDK_HANDLE    hCamera,
    long           IDR,
    long*          plNumSensitivity,
    long*          plSensitivity
);
```

**Parameters**

hCamera	(IN)	The camera handle.
IDR	(IN)	The dynamic range for which sensitivity is being queried. See plDynamicRange of XSDK_CapDynamicRange.
plNumSensitivity	(OUT)	Returns the number of supported settings for XSDK_SetSensitivity.
plSensitivity	(OUT)	If not NULL, plSensitivity will return a list of the XSDK_SetSensitivity settings supported. Allocate sizeof(long) * (*plNumSensitivity) bytes of space before calling this function.

Macro definition	value	ISO mode
XSDK_SENSITIVITY_ISO50	50	ISO 50
XSDK_SENSITIVITY_ISO60	60	ISO 60
XSDK_SENSITIVITY_ISO64	64	ISO 64
XSDK_SENSITIVITY_ISO80	80	ISO 80
XSDK_SENSITIVITY_ISO100	100	ISO 100
XSDK_SENSITIVITY_ISO125	125	ISO 125
XSDK_SENSITIVITY_ISO160	160	ISO 160
XSDK_SENSITIVITY_ISO200	200	ISO 200
XSDK_SENSITIVITY_ISO250	250	ISO 250
XSDK_SENSITIVITY_ISO320	320	ISO 320
XSDK_SENSITIVITY_ISO400	400	ISO 400
XSDK_SENSITIVITY_ISO500	500	ISO 500
XSDK_SENSITIVITY_ISO640	640	ISO 640
XSDK_SENSITIVITY_ISO800	800	ISO 800

XSDK_SENSITIVITY_ISO1000	1000	ISO 1000
XSDK_SENSITIVITY_ISO1250	1250	ISO 1250
XSDK_SENSITIVITY_ISO1600	1600	ISO 1600
XSDK_SENSITIVITY_ISO2000	2000	ISO 2000
XSDK_SENSITIVITY_ISO2500	2500	ISO 2500
XSDK_SENSITIVITY_ISO3200	3200	ISO 3200
XSDK_SENSITIVITY_ISO4000	4000	ISO 4000
XSDK_SENSITIVITY_ISO5000	5000	ISO 5000
XSDK_SENSITIVITY_ISO6400	6400	ISO 6400
XSDK_SENSITIVITY_ISO8000	8000	ISO 8000
XSDK_SENSITIVITY_ISO10000	10000	ISO 10000
XSDK_SENSITIVITY_ISO12800	12800	ISO 12800
XSDK_SENSITIVITY_ISO16000	16000	ISO 16000
XSDK_SENSITIVITY_ISO20000	20000	ISO 20000
XSDK_SENSITIVITY_ISO25600	25600	ISO 25600
XSDK_SENSITIVITY_ISO32000	32000	ISO 32000
XSDK_SENSITIVITY_ISO40000	40000	ISO 40000
XSDK_SENSITIVITY_ISO51200	51200	ISO 51200
XSDK_SENSITIVITY_ISO64000	64000	ISO 64000
XSDK_SENSITIVITY_ISO80000	80000	ISO 80000
XSDK_SENSITIVITY_ISO102400	102400	ISO 102400
:	:	:
XSDK_SENSITIVITY_AUTO_1	-1	ISO AUTO (1)
XSDK_SENSITIVITY_AUTO_2	-2	ISO AUTO (2)
XSDK_SENSITIVITY_AUTO_3	-3	ISO AUTO (3)
XSDK_SENSITIVITY_AUTO_4	-4	ISO AUTO (4)
XSDK_SENSITIVITY_AUTO	-10	ISO AUTO
:	:	:
XSDK_SENSITIVITY_AUTO400	-400	ISO AUTO 400
XSDK_SENSITIVITY_AUTO800	-800	ISO AUTO 800
XSDK_SENSITIVITY_AUTO1600	-1600	ISO AUTO 1600
XSDK_SENSITIVITY_AUTO3200	-3200	ISO AUTO 3200
XSDK_SENSITIVITY_AUTO6400	-6400	ISO AUTO 6400
:	:	:

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Remarks**

This function can be used in State S3.

**See Also****Sample**

```
long lNumSensitivity;  
long* plSensitivity;  
XSDK_CapSensitivity ( hCam, XSDK_DRANGE_AUTO, &lNumSensitivity, NULL );  
plSensitivity = new long [lNumSensitivity];  
XSDK_CapDynamicRange ( hCam, XSDK_DRANGE_AUTO, &lNumSensitivity, plSensitivity);  
:  
delete []plSensitivity;
```

4.1.9.14. XSDK\_SetSensitivity

Description

Sets the ISO sensitivity value.

Syntax

```
XSDK_APIENTRY XSDK_SetSensitivity(  
    XSDK_HANDLE    hCamera,  
    long            lSensitivity  
);
```

Parameters

hCamera	(IN)	The camera handle.
lSensitivity	(IN)	The value to which sensitivity will be set. See plSensitivity of “XSDK_CapSensitivity” for information on supported values.

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

COMMON API

4.1.9.15. XSDK\_GetSensitivity

Description

Gets the ISO sensitivity setting.

Syntax

```
XSDK_APIENTRY XSDK_GetSensitivity(  
    XSDK_HANDLE    hCamera,  
    long* plSensitivity  
);
```

Parameters

hCamera	(IN)	The camera handle.
plSensitivity	(OUT)	Returns the current value for ISO sensitivity. See plSensitivity of “XSDK_CapSensitivity” for information on supported values.

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

4.1.9.16. XSDK\_CapMeteringMode

Description

Queries supported metering modes to set..  
The results for some models vary with the option selected for face detection; set face detection before calling this function.

Syntax

```
XSDK_APIENTRY XSDK_CapMeteringMode(  
    XSDK_HANDLE    hCamera,  
    long*          plNumMeteringMode,  
    long*          plMeteringMode  
)
```

Parameters

hCamera	(IN)	The camera handle.
plNumMeteringMode	(OUT)	Returns the number of supported XSDK_SetMeteringMode settings.
plMeteringMode	(OUT)	If not NULL, plMeteringMode will return a list of the XSDK_SetMeteringMode settings supported. Allocate sizeof(long) * (*plNumMeteringMode) bytes of space before calling this function.

		icon
XSDK_METERING_AVERAGE	0x0001	[ ]
XSDK_METERING_MULTI	0x0003	
XSDK_METERING_CENTER	0x0004	[ • ]
XSDK_METERING_CENTER_WEIGHTED	0x0002	
XSDK_METERING_SPOT		

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

4.1.9.17. XSDK\_SetMeteringMode

Description

Sets the metering mode.

Syntax

```
XSDK_APIENTRY XSDK_SetMeteringMode(  
    XSDK_HANDLE    hCamera,  
    long            IMeteringMode  
)
```

Parameters

hCamera	(IN)	The camera handle.
IMeteringMode	(IN)	The metering mode

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

COMMON API

4.1.9.18. XSDK\_GetMeteringMode

Description

Gets the metering mode setting.

Syntax

```
XSDK_APIENTRY XSDK_GetMeteringMode(  
    XSDK_HANDLE    hCamera,  
    long*          plMeteringMode  
)
```

Parameters

hCamera	(IN)	The camera handle.
plMeteringMode	(OUT)	The metering mode

Return Value

XSDK_COMPLETE	:	SUCCESS
XSDK_ERROR	:	ERROR

Remarks

This function can be used in State S3.

See Also

4.1.9.19. XSDK\_CapLensZoomPos

Description

Queries supported zoom positions to set.

Syntax

```
XSDK_APIENTRY XSDK_CapLensZoomPos(  
    XSDK_HANDLE    hCamera,  
    long*          plNumZoomPos,  
    long*          plZoomPos,  
    long*          plFocalLength,  
    long*          pl35mmFocalLength  
)
```

Parameters

hCamera	(IN)	The camera handle.
plNumZoomPos	(OUT)	Returns the number of supported zoom positions.
plZoomPos	(OUT)	If not NULL, plZoomPos returns a list of the zoom positions supported. Allocate sizeof(long) * (*plNumZoomPos) bytes of space before calling this function.
plFocalLength	(OUT)	If not NULL, plFocalLength returns a list of the focal length positions supported. The values are 100 times the actual focal lengths. Allocate sizeof(long) * (*plNumZoomPos) bytes of space before calling this function.
pl35mmFocalLength	(OUT)	If not NULL, pl35mmFocalLength returns a list of the 35 mm-equivalent focal length positions supported. The values are 100 times the actual focal lengths. Allocate sizeof(long) * (*plNumZoomPos) bytes of space before calling this function.

COMMON API

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Remarks**

This function can be used in State S3.

**See Also**

4.1.9.20. XSDK\_SetLensZoomPos

Description

Sets the zoom position.

Syntax

```
XSDK_APIENTRY XSDK_SetLensZoomPos(  
    XSDK_HANDLE    hCamera,  
    long            lZoomPos  
)
```

Parameters

hCamera	(IN)	The camera handle.
lZoomPos	(IN)	The zoom position, in steps.

Return Value

XSDK_COMPLETE	:	SUCCESS
XSDK_ERROR	:	ERROR

Remarks

This function can be used in State S3.

See Also

COMMON API

4.1.9.21. XSDK\_GetLensZoomPos

Description

Gets the zoom position setting.

Syntax

```
XSDK_APIENTRY XSDK_GetLensZoomPos(  
    XSDK_HANDLE    hCamera,  
    long*          plZoomPos  
)
```

Parameters

hCamera	(IN)	The camera handle.
plZoomPos	(OUT)	The zoom position, in steps.

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

COMMON API

4.1.9.22. XSDK\_CapAperture

Description

Queries supported aperture values to set.

Syntax

```
XSDK_APIENTRY XSDK_CapAperture(  
    XSDK_HANDLE    hCamera,  
    long            lZoomPos,  
    long*           plNumAperture,  
    long*           plFNumber  
)
```

Parameters

hCamera	(IN)	The camera handle.
lZoomPos	(IN)	The zoom position retrieved using “XSDK_CapLensZoomPos”.
plNumAperture	(OUT)	Returns the number of XSDK_SetAperture settings available at zoom position lZoomPos.
plFNumber	(OUT)	<p>If not NULL, plFNumber returns a list of the XSDK_SetAperture settings available at zoom position lZoomPos.</p> <p>Allocate sizeof(long) * (*plNumAperture) bytes of space before calling this function.</p> <p>The aperture values returned are 100 times the actual F numbers.</p>

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

COMMON API

4.1.9.23. XSDK\_SetAperture

Description

Sets the aperture value.

Syntax

```
XSDK_APIENTRY XSDK_SetAperture(  
    XSDK_HANDLE    hCamera,  
    long            IFNumber  
)
```

Parameters

hCamera	(IN)	The camera handle.
IFNumber	(IN)	Returns the current aperture value, expressed as the F number multiplied by 100.

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

COMMON API

4.1.9.24. XSDK\_GetAperture

Description

Gets the aperture setting.

Syntax

```
XSDK_APIENTRY XSDK_GetAperture(  
    XSDK_HANDLE    hCamera,  
    long*          pIFNumber  
)
```

Parameters

hCamera	(IN)	The camera handle.
pIFNumber	(OUT)	Receive the aperture in F number. The value is hundredfold value of the actual aperture F number.

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

COMMON API

4.1.10. White Balance Control

4.1.10.1. XSDK\_CapWBMode

Description

Queries supported white-balance modes to set.

Syntax

```
XSDK_APIENTRY XSDK_CapWBMode(  
    XSDK_HANDLE    hCamera,  
    long*           plNumWBMode,  
    long*           plWBMode  
)
```

Parameters

hCamera	(IN)	The camera handle.
plNumWBMode	(OUT)	Returns the number of supported XSDK_SetWBMode settings.
plWBMode	(OUT)	If not NULL, plWBMode returns a list of the XSDK_SetWBMode settings supported.  Allocate sizeof(long) * (*plNumWBMode) bytes of space before calling this function.

XSDK_WB_AUTO	AUTO
XSDK_WB_AUTO_WHITE_PRIORITY	AUTO (WHITE PRIORITY)
XSDK_WB_AUTO_AMBIENCE_PRIORITY	AUTO (AMBIENCE PRIORITY)
XSDK_WB_CUSTOM1	CUSTOM1
XSDK_WB_CUSTOM2	CUSTOM2
XSDK_WB_CUSTOM3	CUSTOM3
XSDK_WB_COLORTEMP	COLOR TEMPERATURE
XSDK_WB_DAYLIGHT	DAYLIGHT / FINE
XSDK_WB_SHADE	SHADE
XSDK_WB_FLUORESCENT1	FLUORESCENT-1
XSDK_WB_FLUORESCENT2	FLUORESCENT-2
XSDK_WB_FLUORESCENT3	FLUORESCENT-3
XSDK_WB_INCANDESCENT	INCANDESCENT
XSDK_WB_UNDER_WATER	UNDERWATER

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Remarks**

This function can be used in State S3.

**See Also**

XSDK\_CapWBMode, XSDK\_SetWBMode, XSDK\_GetWBMode  
XSDK\_SetWBColorTemp, XSDK\_GetWBColorTemp  
SetWhiteBalanceMode, GetWhiteBalanceMode, SetWhiteBalanceTune, GetWhiteBalanceTune

4.1.10.2. XSDK\_SetWBMode

Description

Sets the white-balance mode.

Syntax

```
APIENTRY XSDK_SetWBMode(  
    XSDK_HANDLE hCamera,  
    long lWBMode,  
);
```

Parameters

hCamera	(IN)	The camera handle.
lWBMode	(IN)	The white-balance mode.

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

See Also

XSDK\_CapWBMode, XSDK\_GetWBMode,  
XSDK\_CapWBColorTemp, XSDK\_SetWBColorTemp, XSDK\_GetWBColorTemp  
SetWhiteBalanceMode, GetWhiteBalanceMode, SetWhiteBalanceTune, GetWhiteBalanceTune

4.1.10.3. XSDK\_GetWBMode

Description

Gets the white-balance mode setting.

Syntax

```
APIENTRY XSDK_GetWBMode(  
    XSDK_HANDLE hCamera,  
    long* pWBMode,  
);
```

Parameters

hCamera	(IN)	The camera handle.
*pWBMode	(OUT)	The current white-balance mode. See WBMode of “XSDK_SetWBMode”.

Return Value

XSDK_COMPLETE	:	SUCCESS
XSDK_ERROR	:	ERROR

See Also

XSDK\_CapWBMode, XSDK\_SetWBMode,  
XSDK\_CapWBColorTemp, XSDK\_SetWBColorTemp, XSDK\_GetWBColorTemp  
SetWhiteBalanceMode, GetWhiteBalanceMode, SetWhiteBalanceTune, GetWhiteBalanceTune

4.1.10.4. XSDK\_CapWBColorTemp

Description

Queries supported color temperatures to set available when WBMode=ColorTemperature.

Syntax

```
XSDK_APIENTRY XSDK_CapWBColorTemp(  
    XSDK_HANDLE    hCamera,  
    long*           plNumWBColorTemp,  
    long*           plWBColorTemp  
)
```

Parameters

hCamera	(IN)	The camera handle.
plNumWBColorTemp	(OUT)	Returns the number of supported XSDK_SetWBColorTemp settings.
plWBColorTemp	(OUT)	If not NULL, plWBColorTemp returns a list of the XSDK_SetWBColorTemp settings supported. Allocate sizeof(long) * (*plNumWBColorTemp) bytes of space before calling this function.

XSDK_WB_COLORTemp_2500	2500K
XSDK_WB_COLORTemp_2550	2550K
XSDK_WB_COLORTemp_2650	2650K
XSDK_WB_COLORTemp_2700	2700K
XSDK_WB_COLORTemp_2800	2800K
XSDK_WB_COLORTemp_2850	2850K
XSDK_WB_COLORTemp_2950	2950K
XSDK_WB_COLORTemp_3000	3000K
XSDK_WB_COLORTemp_3100	3100K
XSDK_WB_COLORTemp_3200	3200K
XSDK_WB_COLORTemp_3300	3300K
XSDK_WB_COLORTemp_3400	3400K
XSDK_WB_COLORTemp_3600	3600K
XSDK_WB_COLORTemp_3700	3700K
XSDK_WB_COLORTemp_3800	3800K
XSDK_WB_COLORTemp_4000	4000K
XSDK_WB_COLORTemp_4200	4200K
XSDK_WB_COLORTemp_4300	4300K
XSDK_WB_COLORTemp_4500	4500K
XSDK_WB_COLORTemp_4800	4800K

XSDK_WB_COLORTemp_5000	5000K
XSDK_WB_COLORTemp_5300	5300K
XSDK_WB_COLORTemp_5600	5600K
XSDK_WB_COLORTemp_5900	5900K
XSDK_WB_COLORTemp_6300	6300K
XSDK_WB_COLORTemp_6700	6700K
XSDK_WB_COLORTemp_7100	7100K
XSDK_WB_COLORTemp_7700	7700K
XSDK_WB_COLORTemp_8300	8300K
XSDK_WB_COLORTemp_9100	9100K
XSDK_WB_COLORTemp_10000	10000K
Other values between 2500 and 10000	The color temperature, in degrees Kelvin.

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Remarks**

This function can be used in State S3.

**Note**

Color temperatures for cameras later than the X-Pro3 can be set in increments of 10 degrees Kelvin.

**See Also**

XSDK\_CapWBMode, XSDK\_SetWBMode, XSDK\_GetWBMode  
XSDK\_SetWBColorTemp, XSDK\_GetWBColorTemp  
SetWhiteBalanceMode, GetWhiteBalanceMode, SetWhiteBalanceTune, GetWhiteBalanceTune

4.1.10.5. XSDK\_SetWBColorTemp

Description

Sets the color temperature value for WBMode=ColorTemperature.

Syntax

```
APIENTRY XSDK_SetWBColorTemp(  
    XSDK_HANDLE hCamera,  
    long lColorTemp  
);
```

Parameters

hCamera	(IN)	The camera handle.
lColorTemp	(IN)	The color temperature, in degrees Kelvin.

XSDK_WB_COLORTemp_2500	2500K
XSDK_WB_COLORTemp_2550	2550K
XSDK_WB_COLORTemp_2650	2650K
XSDK_WB_COLORTemp_2700	2700K
XSDK_WB_COLORTemp_2800	2800K
XSDK_WB_COLORTemp_2850	2850K
XSDK_WB_COLORTemp_2950	2950K
XSDK_WB_COLORTemp_3000	3000K
XSDK_WB_COLORTemp_3100	3100K
XSDK_WB_COLORTemp_3200	3200K
XSDK_WB_COLORTemp_3300	3300K
XSDK_WB_COLORTemp_3400	3400K
XSDK_WB_COLORTemp_3600	3600K
XSDK_WB_COLORTemp_3700	3700K
XSDK_WB_COLORTemp_3800	3800K
XSDK_WB_COLORTemp_4000	4000K
XSDK_WB_COLORTemp_4200	4200K
XSDK_WB_COLORTemp_4300	4300K
XSDK_WB_COLORTemp_4500	4500K
XSDK_WB_COLORTemp_4800	4800K
XSDK_WB_COLORTemp_5000	5000K
XSDK_WB_COLORTemp_5300	5300K
XSDK_WB_COLORTemp_5600	5600K
XSDK_WB_COLORTemp_5900	5900K

XSDK_WB_COLORTMP_6300	6300K
XSDK_WB_COLORTMP_6700	6700K
XSDK_WB_COLORTMP_7100	7100K
XSDK_WB_COLORTMP_7700	7700K
XSDK_WB_COLORTMP_8300	8300K
XSDK_WB_COLORTMP_9100	9100K
XSDK_WB_COLORTMP_10000	10000K
Other values between 2500 and 10000	The color temperature, in degrees Kelvin.

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Note**

Color temperatures for cameras later than the X-Pro3 can be set in increments of 10 degrees Kelvin

**See Also**

XSDK\_CapWBMode, XSDK\_SetWBMode, XSDK\_GetWBMode  
XSDK\_CapWBColorTemp, XSDK\_GetWBColorTemp  
SetWhiteBalanceMode, GetWhiteBalanceMode, SetWhiteBalanceTune, GetWhiteBalanceTune

4.1.10.6. GetWBColorTemp

Description

Gets the color temperature setting for WBMode=ColorTemperature.

Syntax

```
APIENTRY XSDK_GetWBColorTemp(  
    XSDK_HANDLE hCamera,  
    long* pIColorTemp  
);
```

Parameters

hCamera	(IN)	The camera handle.
*pIColorTemp	(OUT)	Returns the current color temperature, in degrees Kelvin. See IColorTemp of “XSDK_SetWBColorTemp”.

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Note

Cameras newer than X-Pro3 can be set color temperature in 10 degree unit.

See Also

XSDK\_CapWBMode, XSDK\_SetWBMode, XSDK\_GetWBMode  
XSDK\_CapWBColorTemp, XSDK\_SetWBColorTemp  
SetWhiteBalanceMode, GetWhiteBalanceMode, SetWhiteBalanceTune, GetWhiteBalanceTune

4.1.11. Media Recording Control

4.1.11.1. XSDK\_CapMediaRecord

Description

Queries supported media recording control modes to set.

Syntax

```
XSDK_APIENTRY XSDK_CapMediaRecord(  
    XSDK_HANDLE    hCamera,  
    long*          plNumMediaRecord,  
    long*          plMediaRecord  
)
```

Parameters

hCamera	(IN)	The camera handle.
plNumMediaRecord	(OUT)	Returns the number of supported XSDK_SetMediaRecord settings.
plMediaRecord	(OUT)	If not NULL, plMediaRecord returns a list of the XSDK_SetMediaRecord settings supported. Allocate sizeof(long) * (*plNumMediaRecord) bytes of space before calling this function.

XSDK_MEDIAREC_RAWJPEG	Recording RAW and JPEG
XSDK_MEDIAREC_RAW	Recording RAW
XSDK_MEDIAREC_JPEG	Recording JPEG
XSDK_MEDIAREC_OFF	Recording OFF

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

4.1.11.2. XSDK\_SetMediaRecord

Description

Sets the media recording control modes for the tethering operation.

Syntax

```
APIENTRY XSDK_SetMediaRecord(  
    XSDK_HANDLE hCamera,  
    long lMediaRecord  
);
```

Parameters

hCamera (IN) The camera handle.

lMediaRecord (IN)

XSDK_MEDIAREC_RAWJPEG	Recording RAW and JPEG
XSDK_MEDIAREC_RAW	Recording RAW
XSDK_MEDIAREC_JPEG	Recording JPEG
XSDK_MEDIAREC_OFF	Recording OFF

Return Value

XSDK\_COMPLETE : SUCCESS

XSDK\_ERROR : ERROR

Remarks

XSDK Ver.1.1 or later only.

See Also

4.1.11.3. XSDK\_GetMediaRecord

Description

Gets the media recording control modes setting for the tethering operation.

Syntax

```
APIENTRY XSDK_GetMediaRecord(  
    XSDK_HANDLE hCamera,  
    long* plMediaRecord  
);
```

Parameters

hCamera	(IN)	The camera handle.
plMediaRecord	(OUT)	See lMediaRecord of XSDK_SetMediaRecord

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Remarks

XSDK Ver.1.1 or later only.

See Also

4.1.12. Operation Mode Control

4.1.12.1. XSDK\_CapForceMode

Description

Queries supported operation modes to set.

Syntax

```
XSDK_APIENTRY XSDK_CapForceMode(  
    XSDK_HANDLE    hCamera,  
    long*          plNumForceMode,  
    long*          plForceMode  
)
```

Parameters

hCamera	(IN)	The camera handle.
plNumForceMode	(OUT)	Returns the number of supported XSDK_SetForceMode settings.
plForceMode	(OUT)	If not NULL, plForceMode returns a list of the XSDK_SetForceMode settings supported. Allocate sizeof(long) * (*plNumForceMode) bytes of space before calling this function.

XSDK_FORCESHOOTSTANDBY_SHOOT	Returned if the camera allows shooting mode to be selected remotely.
XSDK_FORCESHOOTSTANDBY_PLAYBACK	Returned if the camera allows playback mode to be selected remotely.

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

4.1.12.2. XSDK\_SetForceMode

Description

Forcibly changes the operating mode to SHOOTING MODE.

Syntax

```
APIENTRY XSDK_SetForceMode(  
    XSDK_HANDLE hCamera,  
    long lForceMode  
);
```

Parameters

hCamera	(IN)	The camera handle.	
lForceMode	(IN)	XSDK_FORCESHOOTSTANDBY_SHOOT	Forcibly selects shooting mode.
		XSDK_FORCESHOOTSTANDBY_PLAYBACK	Forcibly selects playback mode.

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Remarks

There are currently no cameras that support XSDK\_FORCESHOOTSTANDBY\_PLAYBACK.

See Also

COMMON API

4.1.13. Backup/Restore Settings

4.1.13.1. XSDK\_SetBackupSettings

Description

Restore camera backup settings.

The settings restored are camera- and in some cases version-dependent.

Syntax

```
APIENTRY XSDK_SetBackupSettings(  
    XSDK_HANDLE hCamera,  
    long lSize,  
    unsigned char* pBackup  
);
```

Parameters

hCamera	(IN)	The camera handle.
lSize	(IN)	The size of the backup data.
pBackup	(IN)	The backup data.

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Remarks

This function can be used in PC priority mode in State S3.

Note

*Note that XSDK\_SetBackupSettings sometimes returns XSDK\_ERRCODE\_BUSY for XSDK\_ERROR. To complete the operation, try calling XSDK\_SetBackupSettings again.*

See Also

GetBackupSettings

**4.1.13.2. XSDK\_GetBackupSettings****Description**

Backup camera settings.

The backup data is camera dependent and also may version dependent.

**Syntax**

```
APIENTRY XSDK_GetBackupSettings(  
    XSDK_HANDLE hCamera,  
    long* plSize,  
    unsigned char* pBackup  
);
```

**Parameters**

hCamera	(IN)	The camera handle.
*plSize	(IN/ OUT)	The size of the backup data. If pBackup is NULL, *plSize returns the size of the current camera setting data.
pBackup	(IN/ OUT)	Camera setting data.

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Remarks**

This function can be used in PC priority mode in State of S3.

**Note**

*Note that XSDK\_GetBackupSettings sometimes returns XSDK\_ERRCODE\_BUSY for XSDK\_ERROR. To complete the operation, try calling XSDK\_GetBackupSettings again.*

**See Also**

SetBackupSettings

4.1.14. Movie Control

4.1.14.1. XSDK\_CapMovieShutterSpeed

Description

Queries supported shutter speeds to set in movie mode.  
The results vary with the exposure mode and shutter type (mechanical or electronic); set the exposure mode and shutter type before calling this function. (To set the shutter type via the SDK, only the XSDK\_SetBackupSettings is available).

Syntax

```
APIENTRY XSDK_CapMovieShutterSpeed(  
    XSDK_HANDLE hCamera,  
    long* plNumShutterSpeed  
    long long* pllShutterSpeed  
);
```

Parameters

hCamera	(IN)	The camera handle.
*plNumShutterSpeed	(OUT)	Returns the number of supported XSDK_SetMovieShutterSpeed settings.
*pllShutterSpeed	(OUT)	If not NULL, pllShutterSpeed will return a list of the XSDK_SetMovieShutterSpeed settings supported. Allocate sizeof(long long) * (*plNumShutterSpeed) bytes of space before calling this function.

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

XSDK\_SetMovieShutterSpeed, XSDK\_GetMovieShutterSpeed

COMMON API

4.1.14.2. XSDK\_SetMovieShutterSpeed

Description

Sets the shutter speed value in movie mode.

Syntax

```
APIENTRY XSDK_SetMovieShutterSpeed(  
    XSDK_HANDLE hCamera,  
    long long llShutterSpeed  
);
```

Parameters

hCamera	(IN)	The camera handle.
llShutterSpeed	(IN)	The value to which shutter speed will be set. See pllShutterSpeed of “XSDK_CapMovieShutterSpeed” for information on supported values.

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

XSDK\_CapMovieShutterSpeed, XSDK\_GetMovieShutterSpeed

4.1.14.3. XSDK\_GetMovieShutterSpeed

Description

Gets the shutter speed setting in movie mode.

Syntax

```
APIENTRY XSDK_GetMovieShutterSpeed(  
    XSDK_HANDLE hCamera,  
    long long* pllShutterSpeed  
);
```

Parameters

hCamera	(IN)	The camera handle.
*pllShutterSpeed	(OUT)	Returns the current value for shutter speed. See llShutterSpeed of “XSDK_SetMovieShutterSpeed”.

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

In exposure modes P (program AE) and A (aperture-priority AE), the function can be used to query the shutter speed calculated automatically by the camera, returning a value calculated based on increments of 1/10 Tv.

Use the pre-defined macro XSDK\_SS\_\* to help monitor shutter speed.

The function returns a value for \*pllShutterSpeed of XSDK\_SHUTTER\_UNKNOWN for shutter speeds that are not multiples of 1/6 EV.

See Also

XSDK\_CapMovieShutterSpeed, XSDK\_SetMovieShutterSpeed

COMMON API

4.1.14.4. XSDK\_CapMovieExposureBias

Description

Queries supported exposure compensations to set in movie mode.  
The results for some models vary with the exposure mode; set the exposure mode before calling this function.

Syntax

```
APIENTRY XSDK_CapMovieExposureBias(  
    XSDK_HANDLE hCamera,  
    long* pNumExposureBias  
    long* pExposureBias  
);
```

COMMON API

Parameters

hCamera	(IN)	The camera handle.
*pNumExposureBias	(OUT)	Returns the number of supported XSDK_SetMovieExposureBias settings.
*pExposureBias	(OUT)	If not NULL, pExposureBias will return a list of the XSDK_SetMovieExposureBias settings supported. Allocate sizeof(long) * (*pNumExposureBias) bytes of space before calling this function.

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.  
The results for some models vary with the exposure mode; set the exposure mode before calling this function.

See Also

XSDK\_SetMovieExposureBias, XSDK\_GetMovieExposureBias

4.1.14.5. XSDK\_SetMovieExposureBias

Description

Sets the exposure compensation value in movie mode.

Syntax

```
APIENTRY XSDK_SetMovieExposureBias (  
    XSDK_HANDLE  hCamera,  
    long lExposureBias  
);
```

COMMON API

Parameters

hCamera	(IN)	The camera handle.
lExposureBias	(IN)	The value to which exposure compensation will be set. See plExposureBias of “XSDK_CapMovieExposureBias” for information on supported values.

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Remark

This function can be used in State S3.

See Also

XSDK\_CapMovieExposureBias, XSDK\_GetMovieExposureBias

4.1.14.6. XSDK\_GetMovieExposureBias

Description

Gets the exposure compensation setting in movie mode.

Syntax

```
APIENTRY XSDK_GetMovieExposureBias (  
    XSDK_HANDLE hCamera,  
    long* pExposureBias  
);
```

Parameters

hCamera	(IN)	The camera handle.
*pExposureBias	(OUT)	Returns the current exposure compensation value. See lExposureBias of “XSDK_SetMovieExposureBias”.

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

XSDK\_CapMovieExposureBias, XSDK\_SetMovieExposureBias

4.1.14.7. XSDK\_CapMovieSensitivity

Description

Queries supported ISO sensitivities to set in movie mode.

Syntax

```
APIENTRY XSDK_CapMovieSensitivity(  
    XSDK_HANDLE hCamera,  
    long* plNumSensitivity  
    long* plSensitivity  
);
```

Parameters

hCamera	(IN)	The camera handle.
*plNumSensitivity	(OUT)	Returns the number of supported XSDK_SetMovieSensitivity settings.
*plSensitivity	(OUT)	If not NULL, plSensitivity will return a list of the XSDK_SetMovieSensitivity settings supported. Allocate sizeof(long) * (*plNumSensitivity) bytes of space before calling this function.

Macro definition	value	mode
XSDK_SENSITIVITY_MOVIE_AUTO	-10	MOVIE AUTO

The other parameters are the same as XSDK\_CapSensitivity.

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

XSDK\_SetMovieSensitivity, XSDK\_GetMovieSensitivity

4.1.14.8. XSDK\_SetMovieSensitivity

Description

Sets the ISO sensitivity value in movie mode.

Syntax

```
APIENTRY XSDK_SetMovieSensitivity(  
    XSDK_HANDLE hCamera,  
    long lSensitivity  
);
```

Parameters

hCamera	(IN)	The camera handle.
lSensitivity	(IN)	The value to which ISO sensitivity will be set. See plSensitivity of “XSDK_CapMovieSensitivity” for information on supported values.

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

XSDK\_CapMovieSensitivity, XSDK\_GetMovieSensitivity

4.1.14.9. XSDK\_GetMovieSensitivity

Description

Gets the ISO sensitivity setting in movie mode.

Syntax

```
APIENTRY XSDK_GetMovieSensitivity(  
    XSDK_HANDLE hCamera,  
    long* plSensitivity  
);
```

Parameters

hCamera	(IN)	The camera handle.
*plSensitivity	(OUT)	Returns the current value for ISO sensitivity. See plSensitivity of “XSDK_CapMovieSensitivity” for information on supported values.

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

XSDK\_CapMovieSensitivity, XSDK\_SetMovieSensitivity

4.1.14.10.XSDK\_CapMovieAperture

Description

Queries supported aperture values to set in movie mode.

Syntax

```
APIENTRY XSDK_CapMovieAperture(  
    XSDK_HANDLE hCamera,  
    long* plNumAperture  
    long* plAperture  
);
```

Parameters

hCamera	(IN)	The camera handle.
*plNumAperture	(OUT)	Returns the number of supported XSDK_SetMovieAperture settings.
*plAperture	(OUT)	<p>If not NULL, plAperture will return a list of the XSDK_SetMovieAperture settings supported.</p> <p>Allocate sizeof(long) * (*plNumAperture) bytes of space before calling this function.</p> <p>The aperture values returned are 100 times the actual F numbers.</p> <p>The value 65535 is Auto.</p>

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

XSDK\_SetMovieAperture, XSDK\_GetMovieAperture

4.1.14.11.XSDK\_SetMovieAperture

Description

Sets the aperture value in movie mode.

Syntax

```
APIENTRY XSDK_SetMovieAperture(  
    XSDK_HANDLE  hCamera,  
    long lAperture  
);
```

COMMON API

Parameters

hCamera	(IN)	The camera handle.
lAperture	(IN)	The value to which aperture will be set. The aperture values returned are 100 times the actual F numbers. See plAperture of “XSDK_CapMovieAperture” for information on supported values. The value 65535 is Auto.

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

XSDK\_CapMovieAperture, XSDK\_GetMovieAperture

4.1.14.12.XSDK\_GetMovieAperture

Description

Gets the aperture setting in movie mode.

Syntax

```
APIENTRY XSDK_GetMovieAperture(  
    XSDK_HANDLE hCamera,  
    long* lAperture  
);
```

Parameters

hCamera	(IN)	The camera handle.
*plAperture	(OUT)	Returns the current value for aperture. See lAperture of “XSDK_SetMovieAperture”. The aperture values returned are 100 times the actual F numbers. The value 65535 is Auto.

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

XSDK\_CapMovieAperture, XSDK\_SetMovieAperture

COMMON API

4.1.14.13.XSDK\_CapMovieDynamicRange

Description

Queries supported dynamic ranges to set in movie mode.

Syntax

```
XSDK_APIENTRY XSDK_CapMovieDynamicRange(  
    XSDK_HANDLE hCamera,  
    long*        plNumDynamicRange,  
    long*        plDynamicRange  
)
```

Parameters

hCamera	(IN)	The camera handle.
plNumDynamicRange	(OUT)	Returns the number of supported XSDK_SetMovieDynamicRange settings.
plDynamicRange	(OUT)	If not NULL, plDynamicRange returns a list of the XSDK_SetWBMode settings supported. Allocate sizeof(long) * (*plNumDynamicRange) bytes of space before calling this function.

XSDK_DRANGE_AUTO	AUTO
100	100%
200	200%
400	400%
800	800%

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

XSDK\_SetMovieDynamicRange, XSDK\_GetMovieDynamicRange

4.1.14.14.XSDK\_ SetMovieDynamicRange

Description

Sets the dynamic range value in movie mode.

Syntax

```
APIENTRY XSDK_ SetMovieDynamicRange(  
    XSDK_HANDLE hCamera,  
    long lDynamicRange  
);
```

Parameters

hCamera	(IN)	The camera handle.
lDynamicRange	(IN)	The value to which dynamic range will be set. See plDynamicRange of XSDK_CapMOveDynamicRange for information on supported values.

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

XSDK\_ GetMovieDynamicRange, XSDK\_ CapMovieDynamicRange

4.1.14.15.XSDK\_GetMovieDynamicRange

Description

Gets the dynamic range setting in movie mode.

Syntax

```
APIENTRY XSDK_GetMovieDynamicRange (  
    XSDK_HANDLE hCamera,  
    long* pIDynamicRange  
);
```

Parameters

hCamera	(IN)	The camera handle.
pIDynamicRange	(OUT)	Returns the current value for dynamic range. See IDynamicRangeof “XSDK_SetMovieDynamicRange”.

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

XSDK\_SetMovieDynamicRange, XSDK\_CapMovieDynamicRange

4.1.14.16.XSDK\_CapMovieMeteringMode

Description

Queries supported metering modes to set in movie mode.

Syntax

```
XSDK_APIENTRY XSDK_CapMovieMeteringMode(  
    XSDK_HANDLE hCamera,  
    long* plNumMeteringMode ,  
    long* plMeteringMode  
)
```

Parameters

hCamera	(IN)	The camera handle.
plNumMeteringMode	(OUT)	Returns the number of supported XSDK_SetMovieMeteringMode settings.
plMeteringMode	(OUT)	If not NULL, plMeteringMode returns a list of the XSDK_SetWBMode settings supported. Allocate sizeof(long) * (*plNumMeteringMode) bytes of space before calling this function.

XSDK_METERING_AVERAGE	Average
XSDK_METERING_CENTER_WEIGHTED	Center Weighted
XSDK_METERING_MULTI	Multi spot
XSDK_METERING_CENTER	Center spot

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

XSDK\_SetMovieMeteringMode, XSDK\_GetMovieMeteringMode

4.1.14.17.XSDK\_SetMovieMeteringMode

Description

Sets the metering mode in movie mode.

Syntax

```
APIENTRY XSDK_SetMovieMeteringMode (  
    XSDK_HANDLE hCamera,  
    long lMeteringMode  
);
```

Parameters

hCamera	(IN)	The camera handle.
lMeteringMode	(IN)	The value to which metering mode will be set. See plMeteringMode of XSDK_CapMovieMeteringMode for information on supported values.

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

XSDK\_GetMovieMeteringMode, XSDK\_CapMovieMeteringMode

4.1.14.18.XSDK\_GetMovieMeteringMode

Description

Gets the metering mode setting in movie mode.

Syntax

```
APIENTRY XSDK_GetMovieMeteringMode (  
    XSDK_HANDLE hCamera,  
    long* plMeteringMode  
);
```

Parameters

hCamera	(IN)	The camera handle.
plMeteringMode	(OUT)	Returns the current value for metering mode. See IMeteringModeof “XSDK_SetMovieMeteringMode”.

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

XSDK\_SetMovieMeteringMode, XSDK\_CapMovieMeteringMode

4.1.14.19.XSDK\_CapMovieWBMode

Description

Queries supported white-balance modes to set in movie mode.

Syntax

```
APIENTRY XSDK_CapMovieWBMode(
    XSDK_HANDLE hCamera,
    long* plNumWBMode,
    long* plWBMode
)
```

Parameters

hCamera	(IN)	The camera handle.
plNumWBMode	(OUT)	Returns the number of supported XSDK_SetMovieWBMode settings.
plWBMode	(OUT)	If not NULL, plWBMode returns a list of the XSDK_SetMovieWBMode settings supported. Allocate sizeof(long) * (*plNumWBMode) bytes of space before calling this function.

XSDK_WB_AUTO	AUTO
XSDK_WB_AUTO_WHITE_PRIORITY	AUTO (WHITE PRIORITY)
XSDK_WB_AUTO_AMBIENCE_PRIORITY	AUTO (AMBIENCE PRIORITY)
XSDK_WB_DAYLIGHT	DAYLIGHT / FINE
XSDK_WB_INCANDESCENT	INCANDESCENT
XSDK_WB_UNDER_WATER	UNDERWATER
XSDK_WB_FLUORESCENT1	FLUORESCENT-1
XSDK_WB_FLUORESCENT2	FLUORESCENT-2
XSDK_WB_FLUORESCENT3	FLUORESCENT-3
XSDK_WB_SHADE	SHADE
XSDK_WB_COLORTEMP	COLOR TEMPERATURE
XSDK_WB_CUSTOM1	CUSTOM1
XSDK_WB_CUSTOM2	CUSTOM2
XSDK_WB_CUSTOM3	CUSTOM3
XSDK_WB_CUSTOM4	CUSTOM4
XSDK_WB_CUSTOM5	CUSTOM5

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Remarks**

This function can be used in State S3.

**See Also**

XSDK\_CapMovieWBMode, XSDK\_SetMovieWBMode, XSDK\_GetMovieWBMode  
XSDK\_SetMovieWBColorTemp, XSDK\_GetMovieWBColorTemp

4.1.14.20.XSDK\_SetMovieWBMode

Description

Sets the white-balance mode in movie mode.

Syntax

```
APIENTRY XSDK_SetMovieWBMode(  
    XSDK_HANDLE  hCamera,  
    long lWBMode,  
);
```

Parameters

hCamera	(IN)	The camera handle.
lWBMode	(IN)	The WHITE BALANCE.

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

XSDK\_CapMovieWBMode, XSDK\_GetMovieWBMode,  
XSDK\_CapMovieWBColorTemp, XSDK\_SetMovieWBColorTemp, XSDK\_GetMovieWBColorTemp

4.1.14.21.XSDK\_GetMovieWBMode

Description

Gets the white-balance mode setting in movie mode.

Syntax

```
APIENTRY XSDK_GetMovieWBMode(  
    XSDK_HANDLE hCamera,  
    long* plWBMode,  
);
```

Parameters

hCamera	(IN)	The camera handle.
*plWBMode	(OUT)	The current WHITE BALANCE. See lWBMode of “XSDK_SetMovieWBMode”.

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

See Also

XSDK\_CapMovieWBMode, XSDK\_SetMovieWBMode,  
XSDK\_CapMovieWBColorTemp, XSDK\_SetMovieWBColorTemp, XSDK\_GetMovieWBColorTemp

COMMON API

**4.1.14.22.XSDK\_CapMovieWBColorTemp****Description**

Queries supported color temperatures to set available in movie mode when WBMode = ColorTemperature.

**Syntax**

```
XSDK_APIENTRY XSDK_CapMovieWBColorTemp(
    XSDK_HANDLE hCamera,
    long* plNumWBColorTemp,
    long* plWBColorTemp
)
```

**Parameters**

hCamera	(IN)	The camera handle.
plNumWBColorTemp	(OUT)	Returns the number of supported XSDK_SetMovieWBColorTemp settings.
plWBColorTemp	(OUT)	If not NULL, plWBColorTemp returns a list of the XSDK_SetMovieWBColorTemp settings supported. Allocate sizeof(long) * (*plNumWBColorTemp) bytes of space before calling this function.

XSDK_WB_COLORTEMP_2500	2500K
XSDK_WB_COLORTEMP_2550	2550K
XSDK_WB_COLORTEMP_2650	2650K
XSDK_WB_COLORTEMP_2700	2700K
XSDK_WB_COLORTEMP_2800	2800K
XSDK_WB_COLORTEMP_2850	2850K
XSDK_WB_COLORTEMP_2950	2950K
XSDK_WB_COLORTEMP_3000	3000K
XSDK_WB_COLORTEMP_3100	3100K
XSDK_WB_COLORTEMP_3200	3200K
XSDK_WB_COLORTEMP_3300	3300K
XSDK_WB_COLORTEMP_3400	3400K
XSDK_WB_COLORTEMP_3600	3600K
XSDK_WB_COLORTEMP_3700	3700K
XSDK_WB_COLORTEMP_3800	3800K
XSDK_WB_COLORTEMP_4000	4000K
XSDK_WB_COLORTEMP_4200	4200K
XSDK_WB_COLORTEMP_4300	4300K

XSDK_WB_COLORTMP_4500	4500K
XSDK_WB_COLORTMP_4800	4800K
XSDK_WB_COLORTMP_5000	5000K
XSDK_WB_COLORTMP_5300	5300K
XSDK_WB_COLORTMP_5600	5600K
XSDK_WB_COLORTMP_5900	5900K
XSDK_WB_COLORTMP_6300	6300K
XSDK_WB_COLORTMP_6700	6700K
XSDK_WB_COLORTMP_7100	7100K
XSDK_WB_COLORTMP_7700	7700K
XSDK_WB_COLORTMP_8300	8300K
XSDK_WB_COLORTMP_9100	9100K
XSDK_WB_COLORTMP_10000	10000K
Other values between 2500 and 10000	The color temperature, in degrees Kelvin.

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Remarks**

This function can be used in State S3.

**Note**

Color temperatures for cameras later than the X-Pro3 can be set in increments of 10 degrees Kelvin.

**See Also**

XSDK\_CapMovieWBMode, XSDK\_SetMovieWBMode, XSDK\_GetMovieWBMode  
XSDK\_SetMovieWBColorTemp, XSDK\_GetMovieWBColorTemp

4.1.14.23.XSDK\_SetMovieWBColorTemp

Description

Sets the color temperature value in movie mode for WBMode = ColorTemperature.

Syntax

```
APIENTRY XSDK_SetMovieWBColorTemp(  
    XSDK_HANDLE hCamera,  
    long lColorTemp  
);
```

Parameters

hCamera	(IN)	The camera handle.
lColorTemp	(IN)	The COLOR TEMPERATURE, in degrees Kelvin.

XSDK_WB_COLORTemp_2500	2500K
XSDK_WB_COLORTemp_2550	2550K
XSDK_WB_COLORTemp_2650	2650K
XSDK_WB_COLORTemp_2700	2700K
XSDK_WB_COLORTemp_2800	2800K
XSDK_WB_COLORTemp_2850	2850K
XSDK_WB_COLORTemp_2950	2950K
XSDK_WB_COLORTemp_3000	3000K
XSDK_WB_COLORTemp_3100	3100K
XSDK_WB_COLORTemp_3200	3200K
XSDK_WB_COLORTemp_3300	3300K
XSDK_WB_COLORTemp_3400	3400K
XSDK_WB_COLORTemp_3600	3600K
XSDK_WB_COLORTemp_3700	3700K
XSDK_WB_COLORTemp_3800	3800K
XSDK_WB_COLORTemp_4000	4000K
XSDK_WB_COLORTemp_4200	4200K
XSDK_WB_COLORTemp_4300	4300K
XSDK_WB_COLORTemp_4500	4500K
XSDK_WB_COLORTemp_4800	4800K
XSDK_WB_COLORTemp_5000	5000K
XSDK_WB_COLORTemp_5300	5300K
XSDK_WB_COLORTemp_5600	5600K
XSDK_WB_COLORTemp_5900	5900K

XSDK_WB_COLORTMP_6300	6300K
XSDK_WB_COLORTMP_6700	6700K
XSDK_WB_COLORTMP_7100	7100K
XSDK_WB_COLORTMP_7700	7700K
XSDK_WB_COLORTMP_8300	8300K
XSDK_WB_COLORTMP_9100	9100K
XSDK_WB_COLORTMP_10000	10000K
Other values between 2500 and 10000	The color temperature, in degrees Kelvin.

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Remarks**

This function can be used in State S3.

**Note**

Color temperatures for cameras later than the X-Pro3 can be set in increments of 10 degrees Kelvin

**See Also**

XSDK\_CapMovieWBMode, XSDK\_SetMovieWBMode, XSDK\_GetMovieWBMode  
XSDK\_CapMovieWBColorTemp, XSDK\_GetMovieWBColorTemp

4.1.14.24. GetMovieWBColorTemp

Description

Gets the movie color temperature setting in movie mode for WBMode = ColorTemperature.

Syntax

```
APIENTRY XSDK_GetMovieWBColorTemp(  
    XSDK_HANDLE hCamera,  
    long* plColorTemp  
);
```

Parameters

hCamera	(IN)	The camera handle.
*plColorTemp	(OUT)	Returns the current COLOR TEMPERATURE, in degrees Kelvin. See lColorTemp of “XSDK_SetMovieWBColorTemp”.

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

Note

Cameras newer than X-Pro3 can be set color temperature in 10 degree unit.

See Also

XSDK\_CapMovieWBMode, XSDK\_SetMovieWBMode, XSDK\_GetMovieWBMode  
XSDK\_CapMovieWBColorTemp, XSDK\_SetMovieWBColorTemp

4.1.15. Optional Model-Dependent Function Interface

4.1.15.1. XSDK\_CapProp

Description

Queries supported values for a model-dependent function.  
The API function “XSDK\_CapProp” is used for model-dependent functions with names that begin with “Cap...”.

Syntax

```
APIENTRY XSDK_CapProp(  
    XSDK_HANDLE  hCamera,  
    long lAPICode,  
    long lAPIParam,  
    ...  
);
```

COMMON API

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	The API code. For more information, see the model-dependent header file.
lAPIParam	(IN)	The number of parameters. For more information, see the model-dependent header file.
...		API-dependent parameters

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

4.1.15.2. XSDK\_SetProp

Description

Sets values for the model-dependent function.  
The API function “XSDK\_SetProp” is used for model-dependent functions with names that begin with “Set ...”.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE  hCamera,  
    long lAPICode,  
    long lAPIParam,  
    ...  
);
```

COMMON API

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	The API code. For more information, see the model-dependent header file.
lAPIParam	(IN)	The number of parameters. For more information, see the model-dependent header file.
...		API dependent parameters

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

4.1.15.3. XSDK\_GetProp

Description

Gets the settings for the model-dependent function.  
The API function “XSDK\_GetProp” is used for model-dependent functions with names that begin with “Get ...”.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE  hCamera,  
    long lAPICode,  
    long lAPIParam,  
    ...  
);
```

COMMON API

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	The API code. For more information, see the model-dependent header file.
lAPIParam	(IN)	The number of parameters. For more information, see the model-dependent header file.
...		API dependent parameters

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Remarks

This function can be used in State S3.

#### 4.2. **MODEL DEPENDENT APIs (Optional Functions)**

Model dependent functions can be accessed via three API functions below:

XSDK\_SetProp()

XSDK\_GetProp()

XSDK\_CapProp().

In this section, the string <model> represents the name of the target camera model, chosen from the following:

Model name	Read <model> as...
FUJIFILM X-T3	X-T3
FUJIFILM X-T4	X-T4
FUJIFILM X-Pro3	X-PRO3
FUJIFILM GFX 50S	GFX50S
FUJIFILM GFX 50R	GFX50R
FUJIFILM GFX 100	GFX100
FUJIFILM GFX100S	GFX100S
FUJIFILM X-S10	X-S10
FUJIFILM GFX50S II	GFX50SII
FUJIFILM X-H2S	X-H2S
FUJIFILM X-H2	X-H2
FUJIFILM X-T5	X-T5
FUJIFILM X-S20	X-S20
FUJIFILM GFX100 II	GFX100II
FUJIFILM GFX100S II	GFX100SII
FUJIFILM X-M5	X-M5
FUJIFILM GFX100RF	GFX100RF
FUJIFILM GFX ETERNA 55	GFXETERNA55

4.2.1. Focus Control

4.2.1.1. CapFocusMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA 55
				✓				✓	✓	✓	✓									✓	✓	✓	✓

Description

Queries supported focus modes.

Syntax

```
APIENTRY XSDK_CapProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plNum,  
    long* plFocusMode  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapFocusMode
lAPIParam	(IN)	<model>_API_PARAM_CapFocusMode
plNum	(OUT)	Returns the number of SetFocusMode settings supported.
plFocusMode	(OUT)	If plFocusMode is NULL, the function will return only plNum with the number of supported SetFocusMode settings. Otherwise it will return plFocusMode with a list of the SetFocusMode settings supported.  Allocate sizeof(long) * (*plNum) bytes of space before calling this function.

Remarks

This function can be used in State S3.

See Also

SetFocusMode, GetFocusMode

Sample

```
long lAPICode = <model>_API_CODE_CapFocusMode;  
long lAPIParam = <model>_API_PARAM_CapFocusMode;
```

---

```
long lNum;
long* plFocusMode;
XSDK_CapProp( hCam, lAPICode, lAPIParam, &lNum, NULL );
plFocusMode = new long [lNum];
XSDK_CapProp( hCam, lAPICode, lAPIParam, &lNum, plFocusMode );
:
delete [] plFocusMode;
```

4.2.1.2. SetFocusMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

Description

Sets the focus mode.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lFocusMode  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetFocusMode	
lAPIParam	(IN)	<model>_API_PARAM_SetFocusMode	
lFocusMode	(IN)		
		<model>_FOCUS_MANUAL	MANUAL
		<model>_FOCUS_AFS	AF-S
		<model>_FOCUS_AFC	AF-C

Remarks

This function can be used in State S3.

See Also

GetFocusMode

4.2.1.3. GetFocusMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

Description

Gets the focus mode setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plFocusMode  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetFocusMode
lAPIParam	(IN)	<model>_API_PARAM_GetFocusMode
plFocusMode	(OUT)	See IFocusMode of “SetFocusMode”.

Remarks

This function can be used in State S3.

See Also

SetFocusMode

4.2.1.4. CapAFMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	

Description

Queries supported AF modes.

Syntax

```
APIENTRY XSDK_CapProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lAngle,  
    long* plNum,  
    long* plAFMode  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapAFMode
lAPIParam	(IN)	<model>_API_PARAM_CapAFMode
lAngle	(IN)	See lAngle of “SetAFMode”.
plNum	(OUT)	Returns the number of “SetAFMode” settings supported.
plAFMode	(OUT)	See plAFMode of “SetAFMode”.

Remarks

This function can be used in State S3.

See Also

SetAFMode

4.2.1.5. SetAFMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Sets the AF MODE setting.

Syntax

```
APIENTRY XSDK_SetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lAngle,
    long lAFMode
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetAFMode	
lAPIParam	(IN)	<model>_API_PARAM_SetAFMode	
lAngle	(IN)		
		<model>_ITEM_DIRECTION_CURRENT	in camera's current orientation
		<model>_ITEM_DIRECTION_0	when camera is rotated 0° or 180°
		<model>_ITEM_DIRECTION_90	when camera is rotated 90°
		<model>_ITEM_DIRECTION_270	when camera is rotated 270°

lAFMode	(IN)	<b>[GFX 50S/GFX 50R]</b>	
		<model>_AF_AREA	AREA
		<model>_AF_SINGLE	SINGLE
		<model>_AF_ZONE	ZONE
		<model>_AF_WIDETRACKING	WIDE/TRACKING

[Other models]

<model>_AF_AREA	AREA
<model>_AF_SINGLE	SINGLE
<model>_AF_ZONE	ZONE
<model>_AF_WIDETRACKING	WIDE/TRACKING

Remarks

This function can be used in State S3.

See Also

GetAFMode

4.2.1.6. GetAFMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Gets the AF MODE setting.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lAngle,
    long* plAFMode
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetAFMode
lAPIParam	(IN)	<model>_API_PARAM_GetAFMode
lAngle	(IN)	See lAngle of “SetAFMode”.
plAFMode	(OUT)	See lAFMode of “SetAFMode”.

Remarks

This function can be used in State S3.

See Also

SetAFMode

MODEL DEPENDENT API

4.2.1.7. CapFocusArea

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	

Description

Queries supported FOCUS AREA and focus area-size settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lAngle,
    <model>_FocusArea* pFocusArea_Min,
    <model>_FocusArea* pFocusArea_Max
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapFocusArea
lAPIParam	(IN)	<model>_API_PARAM_CapFocusArea
lAngle	(IN)	See lAngle of “SetFocusArea”.
pFocusArea_Min	(OUT)	See pFocusArea of “SetFocusArea”.
pFocusArea_Max	(OUT)	See pFocusArea of “SetFocusArea”.

Remarks

This function can be used in State S3.

See Also

SetFocusArea

4.2.1.8. SetFocusArea

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Sets the FOCUS AREA and focus area-size settings.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lAngle,  
    <model>_FocusArea* pFocusArea  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetFocusArea

lAPIParam (IN) <model>\_API\_PARAM\_SetFocusArea

lAngle (IN)

<model>_ITEM_DIRECTION_0	when camera is rotated 0° or 180°
<model>_ITEM_DIRECTION_90	when camera is rotated 90°
<model>_ITEM_DIRECTION_270	when camera is rotated 270°

pFocusArea (IN) [X-T3]

Pointer to an XT3\_FocusArea valuable.

```
typedef struct{  
    long h; // Horizontal display coordinate (absolute)  
    long v; // Vertical display coordinate (absolute)  
    long size; // Area size  
} XT3_FocusArea;
```

● 3:2

		Area Size	ALL(HxV)	pFocusArea->size	pFocusArea->h	pFocusArea->v
117	SINGLE	Smallest	1x1 (Smallest)	0	-6 - +6	-4 - +4
		:	1x1	1		
		:	1x1	2		
		:	1x1	3		
		:	1x1	4		
		Largest	1x1 (Largest)	5		
	ZONE	3x3	3x3	17	-5 - +5	-3 - +3
		5x3	5x3	18	-4 - +4	-3 - +3
		5x5	5x5	19	-4 - +4	-2 - +2
		7x7	7x7	20	-3 - +3	-1 - +1
	WIDE	13x7	13x7	3	0 *	0 *
	Tracking	-	-	3	-6 - +6	-4 - +4
* When the AF MODE is set to ALL						
		Area Size	ALL(HxV)	pFocusArea->size	pFocusArea->h	pFocusArea->v
425	SINGLE	Smallest	1x1 (Smallest)	0	-12 - +12	-8 - +8
		:	1x1	1		
		:	1x1	2		
		:	1x1	3		
		:	1x1	4		
		Largest	1x1 (Largest)	5		

## ● 16:9

		Area Size	ALL(HxV)	pFocusArea->size	pFocusArea->h	pFocusArea->v
117	SINGLE	Smallest	1x1 (Smallest)	0	-6 - +6	-3 - +3
		:	1x1	1		
		:	1x1	2		
		:	1x1	3		
		:	1x1	4		
		Largest	1x1 (Largest)	5		
	ZONE	3x3	3x3	17	-5 - +5	-2 - +2
		5x3	5x3	18	-4 - +4	-3 - +3
		5x5	5x5	19	-4 - +4	-1 - +1
		7x7	7x7	20	-3 - +3	0
	WIDE	13x7	13x7	3	0 *	0 *
	Tracking	-	-	3	-6 - +6	-3 - +3
* When the AF MODE is set to ALL						
		Area Size	ALL(HxV)	pFocusArea->size	pFocusArea->h	pFocusArea->v
425	SINGLE	Smallest	1x1 (Smallest)	0	-12 - +12	-6 - +6
		:	1x1	1		
		:	1x1	2		
		:	1x1	3		
		:	1x1	4		
		Largest	1x1 (Largest)	5		

## ● 1:1

		Area Size	ALL(HxV)	pFocusArea->size	pFocusArea->h	pFocusArea->v
117	SINGLE	Smallest	1x1 (Smallest)	0	-4 - +4	-4 - +4
		:	1x1	1		
		:	1x1	2		
		:	1x1	3		
		:	1x1	4		
		Largest	1x1 (Largest)	5		
	ZONE	3x3	3x3	17	-3 - +3	-3 - +3
		5x3	5x3	18	-2 - +2	-3 - +3
		5x5	5x5	19	-2 - +2	-2 - +2
		7x7	7x7	20	-1 - +1	-1 - +1
	WIDE	13x7	13x7	3	0 *	0 *
	Tracking	-	-	3	-4 - +4	-4 - +4
* When the AF MODE is set to ALL						
		Area Size	ALL(HxV)	pFocusArea->size	pFocusArea->h	pFocusArea->v
425	SINGLE	Smallest	1x1 (Smallest)	0	-8 - +8	-8 - +8
		:	1x1	1		
		:	1x1	2		
		:	1x1	3		
		:	1x1	4		
		Largest	1x1 (Largest)	5		

**[X-Pro3 / X-T4 / X-H2S / X-S20]**

Pointer to an XPRO3\_FocusArea / \_XT4\_FocusArea / \_XH2S\_FocusArea / \_XS20\_FocusArea valuable.

```
typedef struct{
    long    h;    // Horizontal display coordinate (absolute)
    long    v;    // Vertical display coordinate (absolute)
    long    size; // Area size
} XPRO3_FocusArea;

typedef struct{
    long    h;    // Horizontal display coordinate (absolute)
    long    v;    // Vertical display coordinate (absolute)
    long    size; // Area size
} XT4_FocusArea;

typedef struct{
    long    h;    // Horizontal display coordinate (absolute)
    long    v;    // Vertical display coordinate (absolute)
    long    size; // Area size
} XH2S_FocusArea;

typedef struct{
    long    h;    // Horizontal display coordinate (absolute)
    long    v;    // Vertical display coordinate (absolute)
    long    size; // Area size
} XS20_FocusArea;
```

- 3:2

		Area Size	ALL(HxV)	pFocusArea->size	pFocusArea->h	pFocusArea->v
117	SINGLE	Smallest	1x1 (Smallest)	1	-6 - +6	-4 - +4
		:	1x1	2		
		:	1x1	3		
		:	1x1	4		
		:	1x1	5		
		Largest	1x1 (Largest)	6		
	ZONE	3x3	3x3	17	-5 - +5	-3 - +3
		5x3	5x3	18	-4 - +4	-3 - +3
		5x5	5x5	19	-4 - +4	-2 - +2
		7x7	7x7	20	-3 - +3	-1 - +1
	WIDE	13x7	13x7	4	0 *	0 *
	Tracking	-	-	3	-6 - +6	-4 - +4
* When the AF MODE is set to ALL						
		Area Size	ALL(HxV)	pFocusArea->size	pFocusArea->h	pFocusArea->v
425	SINGLE	Smallest	1x1 (Smallest)	1	-12 - +12	-8 - +8
		:	1x1	2		
		:	1x1	3		
		:	1x1	4		
		:	1x1	5		
		Largest	1x1 (Largest)	6		

## ● 16:9

		Area Size	ALL(HxV)	pFocusArea->size	pFocusArea->h	pFocusArea->v
117	SINGLE	Smallest	1x1 (Smallest)	1	-6 - +6	-3 - +3
		:	1x1	2		
		:	1x1	3		
		:	1x1	4		
		:	1x1	5		
		Largest	1x1 (Largest)	6		
	ZONE	3x3	3x3	17	-5 - +5	-2 - +2
		5x3	5x3	18	-4 - +4	-3 - +3
		5x5	5x5	19	-4 - +4	-1 - +1
		7x7	7x7	20	-3 - +3	0
	WIDE	13x7	13x7	4	0 *	0 *
	Tracking	-	-	3	-6 - +6	-3 - +3
* When the AF MODE is set to ALL						
		Area Size	ALL(HxV)	pFocusArea->size	pFocusArea->h	pFocusArea->v
425	SINGLE	Smallest	1x1 (Smallest)	1	-12 - +12	-6 - +6
		:	1x1	2		
		:	1x1	3		
		:	1x1	4		
		:	1x1	5		
		Largest	1x1 (Largest)	6		

## ● 1:1

		Area Size	ALL(HxV)	pFocusArea->size	pFocusArea->h	pFocusArea->v
117	SINGLE	Smallest	1x1 (Smallest)	0	-4 - +4	-4 - +4
		:	1x1	1		
		:	1x1	2		
		:	1x1	3		
		:	1x1	4		
		Largest	1x1 (Largest)	5		
	ZONE	3x3	3x3	17	-3 - +3	-3 - +3
		5x3	5x3	18	-2 - +2	-3 - +3
		5x5	5x5	19	-2 - +2	-2 - +2
		7x7	7x7	20	-1 - +1	-1 - +1
	WIDE	13x7	13x7	4	0 *	0 *
	Tracking	-	-	3	-4 - +4	-4 - +4
* When the AF MODE is set to ALL						
		Area Size	ALL(HxV)	pFocusArea->size	pFocusArea->h	pFocusArea->v
425	SINGLE	Smallest	1x1 (Smallest)	1	-8 - +8	-8 - +8
		:	1x1	2		
		:	1x1	3		
		:	1x1	4		
		:	1x1	5		
		Largest	1x1 (Largest)	6		

**[X-H2/X-T5]**

Pointer to an XH2\_FocusArea / XT5\_FocusArea valuable.

```
typedef struct{
    long    h;    // Horizontal display coordinate (absolute)
    long    v;    // Vertical display coordinate (absolute)
    long    size; // Area size
} XH2_FocusArea;

typedef struct{
    long    h;    // Horizontal display coordinate (absolute)
    long    v;    // Vertical display coordinate (absolute)
    long    size; // Area size
} XT5_FocusArea;
```

- 3:2

		Area Size	ALL(HxV)	pFocusArea->size	pFocusArea->h	pFocusArea->v
117	SINGLE	Smallest	1x1 (Smallest)	1	-6 - +6	-4 - +4
		:	1x1	2		
		:	1x1	3		
		:	1x1	4		
		:	1x1	5		
		Largest	1x1 (Largest)	6		
	ZONE	3x3	3x3	17	-5 - +5	-3 - +3
		5x3	5x3	18	-4 - +4	-3 - +3
		5x5	5x5	19	-4 - +4	-2 - +2
		7x7	7x7	20	-3 - +3	-1 - +1
	WIDE	13x7	13x7	4	0 *	0 *
	Tracking	-	-	3	-6 - +6	-4 - +4
* When the AF MODE is set to ALL						
		Area Size	ALL(HxV)	pFocusArea->size	pFocusArea->h	pFocusArea->v
425	SINGLE	Smallest	1x1 (Smallest)	1	-12 - +12	-8 - +8
		:	1x1	2		
		:	1x1	3		
		:	1x1	4		
		:	1x1	5		
		Largest	1x1 (Largest)	6		

## ● 16:9

		Area Size	ALL(HxV)	pFocusArea->size	pFocusArea->h	pFocusArea->v
117	SINGLE	Smallest	1x1 (Smallest)	1	-6 - +6	-3 - +3
		:	1x1	2		
		:	1x1	3		
		:	1x1	4		
		:	1x1	5		
		Largest	1x1 (Largest)	6		
	ZONE	3x3	3x3	17	-5 - +5	-2 - +2
		5x3	5x3	18	-4 - +4	-3 - +3
		5x5	5x5	19	-4 - +4	-1 - +1
		7x7	7x7	20	-3 - +3	0
	WIDE	13x7	13x7	4	0 *	0 *
	Tracking	-	-	3	-6 - +6	-3 - +3
* When the AF MODE is set to ALL						
		Area Size	ALL(HxV)	pFocusArea->size	pFocusArea->h	pFocusArea->v
425	SINGLE	Smallest	1x1 (Smallest)	1	-12 - +12	-6 - +6
		:	1x1	2		
		:	1x1	3		
		:	1x1	4		
		:	1x1	5		
		Largest	1x1 (Largest)	6		

## ● 1:1

		Area Size	ALL(HxV)	pFocusArea->size	pFocusArea->h	pFocusArea->v
117	SINGLE	Smallest	1x1 (Smallest)	0	-4 - +4	-4 - +4
		:	1x1	1		
		:	1x1	2		
		:	1x1	3		
		:	1x1	4		
		Largest	1x1 (Largest)	5		
	ZONE	3x3	3x3	17	-3 - +3	-3 - +3
		5x3	5x3	18	-2 - +2	-3 - +3
		5x5	5x5	19	-2 - +2	-2 - +2
		7x7	7x7	20	-1 - +1	-1 - +1
	WIDE	13x7	13x7	4	0 *	0 *
	Tracking	-	-	3	-4 - +4	-4 - +4
* When the AF MODE is set to ALL						
		Area Size	ALL(HxV)	pFocusArea->size	pFocusArea->h	pFocusArea->v
425	SINGLE	Smallest	1x1 (Smallest)	1	-8 - +8	-8 - +8
		:	1x1	2		
		:	1x1	3		
		:	1x1	4		
		:	1x1	5		
		Largest	1x1 (Largest)	6		

● 4:3

		Area Size	ALL(HxV)	pFocusArea->size	pFocusArea->h	pFocusArea->v
117	SINGLE	Smallest	1x1 (Smallest)	1	-5 - +5	-4 - +4
		:	1x1	2		
		:	1x1	3		
		:	1x1	4		
		:	1x1	5		
		Largest	1x1 (Largest)	6		
	ZONE	3x3	3x3	17	-4 - +4	-3 - +3
		5x3	5x3	18	-3 - +3	-3 - +3
		5x5	5x5	19	-3 - +3	-2 - +2
		7x7	7x7	20	-2 - +2	-1 - +1
	WIDE	13x7	13x7	4	0	0
	Tracking	-	-	3	-5 - +5	-4 - +4
		Area Size	ALL(HxV)	pFocusArea->size	pFocusArea->h	pFocusArea->v
425	SINGLE	Smallest	1x1 (Smallest)	1	-10 - +10	-8 - +8
		:	1x1	2		
		:	1x1	3		
		:	1x1	4		
		:	1x1	5		
		Largest	1x1 (Largest)	6		

● 5:4

		Area Size	ALL(HxV)	pFocusArea->size	pFocusArea->h	pFocusArea->v
117	SINGLE	Smallest	1x1 (Smallest)	1	-5 - +5	-4 - +4
		:	1x1	2		
		:	1x1	3		
		:	1x1	4		
		:	1x1	5		
		Largest	1x1 (Largest)	6		
	ZONE	3x3	3x3	17	-4 - +4	-3 - +3
		5x3	5x3	18	-3 - +3	-3 - +3
		5x5	5x5	19	-3 - +3	-2 - +2
		7x7	7x7	20	-2 - +2	-1 - +1
	WIDE	13x7	13x7	4	0	0
	Tracking	-	-	3	-5 - +5	-4 - +4
		Area Size	ALL(HxV)	pFocusArea->size	pFocusArea->h	pFocusArea->v
425	SINGLE	Smallest	1x1 (Smallest)	1	-10 - +10	-8 - +8
		:	1x1	2		
		:	1x1	3		
		:	1x1	4		
		:	1x1	5		
		Largest	1x1 (Largest)	6		

**[GFX 50S / GFX 50R]**

Pointer to an GFX50S\_FocusArea / GFX50R\_FocusArea valuable.

```
typedef struct{
    long    h;    // Horizontal display coordinate (absolute)
    long    v;    // Vertical display coordinate (absolute)
    long    size; // Area size
} GFX50S_FocusArea;

typedef struct{
    long    h;    // Horizontal display coordinate (absolute)
    long    v;    // Vertical display coordinate (absolute)
    long    size; // Area size
} GFX50R_FocusArea;
```

- 4:3

Points/Mode		Area Size		ALL	pFocusArea->size	pFocusArea->h	pFocusArea->v
117	SINGLE	Smallest		1x1	1	-6 - +6	-4 - +4
		:		1x1	2		
		:		1x1	3		
		:		1x1	4		
		:		1x1	5		
		Largest		1x1	6		
	ZONE	3	3	3x3	17	-5 - +5	-3 - +3
		5	3	5x3	18	-4 - +4	-3 - +3
		5	5	5x5	19	-4 - +4	-2 - +2
		7	7	7x7	20	-3 - +3	-1 - +1
	WIDE	13	7	13x7	0	0	0
	Tracking	-		1x1	4	-6 - +6	-4 - +4

Points/Mode		Area Size		ALL	pFocusArea->size	pFocusArea->h	pFocusArea->v
425	SINGLE	Smallest		1x1	1	-12 - +12	-8 - +8
		:		1x1	2		
		:		1x1	3		
		:		1x1	4		
		:		1x1	5		
		Largest		1x1	6		

● 3:2

Points/Mode		Area Size		ALL	pFocusArea->size	pFocusArea->h	pFocusArea->v
117	SINGLE	Smallest		1x1	1	-6 - +6	-3 - +3
		:		1x1	2		
		:		1x1	3		
		:		1x1	4		
		:		1x1	5		
		Largest		1x1	6		
	ZONE	3	3	3x3	17	-5 - +5	-2 - +2
		5	3	5x3	18	-4 - +4	-2 - +2
		5	5	5x5	19	-4 - +4	-1 - +1
		7	7	7x7	20	-3 - +3	x
	WIDE	13	7	13x7	0	0	0
	Tracking	-		1x1	4	-6 - +6	-3 - +3

Points/Mode		Area Size		ALL	pFocusArea->size	pFocusArea->h	pFocusArea->v
425	SINGLE	Smallest		1x1	1	-12 - +12	-6 - +6
		:		1x1	2		
		:		1x1	3		
		:		1x1	4		
		:		1x1	5		
		Largest		1x1	6		

● 16:9

Points/Mode		Area Size		ALL	pFocusArea->size	pFocusArea->h	pFocusArea->v
117	SINGLE	Smallest		1x1	1	-6 - +6	-3 - +3
		:		1x1	2		
		:		1x1	3		
		:		1x1	4		
		:		1x1	5		
		Largest		1x1	6		
	ZONE	3	3	3x3	17	-5 - +5	-2 - +2
		5	3	5x3	18	-4 - +4	-2 - +2
		5	5	5x5	19	-4 - +4	-1 - +1
		7	7	7x7	20	-3 - +3	x
	WIDE	13	7	13x7	0	0	0
	Tracking	-		1x1	4	-6 - +6	-3 - +3

Points/Mode		Area Size		ALL	pFocusArea->size	pFocusArea->h	pFocusArea->v
425	SINGLE	Smallest		1x1	1	-12 - +12	-6 - +6
		:		1x1	2		
		:		1x1	3		
		:		1x1	4		
		:		1x1	5		
		Largest		1x1	6		
		:		1x1	3		
		:		1x1	4		
		:		1x1	5		
		Largest		1x1	6		

● 1:1

Points/Mode		Area Size		ALL	pFocusArea->size	pFocusArea->h	pFocusArea->v
117	SINGLE	Smallest		1x1	1	-4 - +4	-4 - +4
		:		1x1	2		
		:		1x1	3		
		:		1x1	4		
		:		1x1	5		
		Largest		1x1	6		
	ZONE	3	3	3x3	17	-3 - +3	-3 - +3
		5	3	5x3	18	-2 - +2	-3 - +3
		5	5	5x5	19	-2 - +2	-2 - +2
		7	7	7x7	20	-1 - +1	-1 - +1
	WIDE	13	7	13x7	0	0	0
	Tracking	-		1x1	4	-4 - +4	-4 - +4

Points/Mode		Area Size		ALL	pFocusArea->size	pFocusArea->h	pFocusArea->v
425	SINGLE	Smallest		1x1	1	-8 - +8	-8 - +8
		:		1x1	2		
		:		1x1	3		
		:		1x1	4		
		:		1x1	5		
		Largest		1x1	6		

● 65:24

Points/Mode		Area Size		ALL	pFocusArea->size	pFocusArea->h	pFocusArea->v
117	SINGLE	Smallest		1x1	1	-6 - +6	-2 - +2
		:		1x1	2		
		:		1x1	3		
		:		1x1	4		
		:		1x1	5		
		Largest		1x1	6		
	ZONE	3	3	3x3	17	-5 - +5	-1 - +1
		5	3	5x3	18	-4 - +4	-1 - +1
		5	5	5x5	19	-4 - +4	x
		7	7	7x7	20	-3 - +3	x
		13	7	13x7	0	0	0
	Tracking	-		1x1	4	-6 - +6	-2 - +2

Points/Mode		Area Size		ALL	pFocusArea->size	pFocusArea->h	pFocusArea->v
425	SINGLE	Smallest		1x1	1	-12 - +12	-4 - +4
		:		1x1	2		
		:		1x1	3		
		:		1x1	4		
		:		1x1	5		
		Largest		1x1	6		

## ● 5:4

Points/Mode		Area Size		ALL	pFocusArea->size	pFocusArea->h	pFocusArea->v
117	SINGLE	Smallest		1x1	1	-5 - +5	-4 - +4
		:		1x1	2		
		:		1x1	3		
		:		1x1	4		
		:		1x1	5		
		Largest		1x1	6		
	ZONE	3	3	3x3	17	-4 - +4	-3 - +3
		5	3	5x3	18	-3 - +3	-3 - +3
		5	5	5x5	19	-3 - +3	-2 - +2
		7	7	7x7	20	-2 - +2	-1 - +1
		13	7	13x7	0	0	0
	Tracking	-		1x1	4	-5 - +5	-4 - +4

Points/Mode		Area Size		ALL	pFocusArea->size	pFocusArea->h	pFocusArea->v
425	SINGLE	Smallest		1x1	1	-10 - +10	-8 - +8
		:		1x1	2		
		:		1x1	3		
		:		1x1	4		
		:		1x1	5		
		Largest		1x1	6		

## ● 7:6

Points/Mode		Area Size		ALL	pFocusArea->size	pFocusArea->h	pFocusArea->v
117	SINGLE	Smallest		1x1	1	-5 - +5	-4 - +4
		:		1x1	2		
		:		1x1	3		
		:		1x1	4		
		:		1x1	5		
		Largest		1x1	6		
	ZONE	3	3	3x3	17	-4 - +4	-3 - +3
		5	3	5x3	18	-3 - +3	-3 - +3
		5	5	5x5	19	-3 - +3	-2 - +2
		7	7	7x7	20	-2 - +2	-1 - +1
		13	7	13x7	0	0	0
	Tracking	-		1x1	4	-5 - +5	-4 - +4

Points/Mode		Area Size		ALL	pFocusArea->size	pFocusArea->h	pFocusArea->v
425	SINGLE	Smallest		1x1	1	-10 - +10	-8 - +8
		:		1x1	2		
		:		1x1	3		
		:		1x1	4		
		:		1x1	5		
		Largest		1x1	6		

**[GFX 100/GFX100S/GFX100 II/GFX100S II]**

Pointer to an GFX100\_FocusArea/GFX100S\_FocusArea/

GFX100II\_FocusArea/GFX100SII\_FocusArea valuable.

```
typedef struct{
    long    h;    // Horizontal display coordinate (absolute)
    long    v;    // Vertical display coordinate (absolute)
    long    size; // Area size
} GFX100_FocusArea;

typedef struct{
    long    h;    // Horizontal display coordinate (absolute)
    long    v;    // Vertical display coordinate (absolute)
    long    size; // Area size
} GFX100S_FocusArea;

typedef struct{
    long    h;    // Horizontal display coordinate (absolute)
    long    v;    // Vertical display coordinate (absolute)
    long    size; // Area size
} GFX100II_FocusArea;

typedef struct{
    long    h;    // Horizontal display coordinate (absolute)
    long    v;    // Vertical display coordinate (absolute)
    long    size; // Area size
}
```

} GFX100SII\_FocusArea;

● 4:3

Points/Mode		Area Size		ALL	pFocusArea->size	pFocusArea->h	pFocusArea->v
117	SINGLE	Smallest		1x1	1	-6 ~ +6	-4 ~ +4
		:		1x1	2		
		:		1x1	3		
		:		1x1	4		
		:		1x1	5		
		Largest		1x1	6		
	ZONE	3	3	3x3	17	-5 ~ +5	-3 ~ +3
		5	3	5x3	18	-4 ~ +4	-3 ~ +3
		5	5	5x5	19	-4 ~ +4	-2 ~ +2
		7	7	7x7	20	-3 ~ +3	-1 ~ +1
	WIDE	13	7	13x7	0	0	0
	Tracking	-		1x1	3	-6 ~ +6	-4 ~ +4

Points/Mode		Area Size		ALL	pFocusArea->size	pFocusArea->h	pFocusArea->v
425	SINGLE	Smallest		1x1	1	-12 ~ +12	-8 ~ +8
		:		1x1	2		
		:		1x1	3		
		:		1x1	4		
		:		1x1	5		
		Largest		1x1	6		

● 3:2

Points/Mode		Area Size		ALL	pFocusArea->size	pFocusArea->h	pFocusArea->v
117	SINGLE	Smallest		1x1	1	-6 ~ +6	-3 ~ +3
		:		1x1	2		
		:		1x1	3		
		:		1x1	4		
		:		1x1	5		
		Largest		1x1	6		
	ZONE	3	3	3x3	17	-5 ~ +5	-2 ~ +2
		5	3	5x3	18	-4 ~ +4	-2 ~ +2
		5	5	5x5	19	-4 ~ +4	-1 ~ +1
		7	7	7x7	20	-3 ~ +3	x
	WIDE	13	7	13x7	0	0	0
	Tracking	-		1x1	3	-6 ~ +6	-3 ~ +3

Points/Mode		Area Size		ALL	pFocusArea->size	pFocusArea->h	pFocusArea->v
425	SINGLE	Smallest		1x1	1	-12 ~ +12	-6 ~ +6
		:		1x1	2		
		:		1x1	3		
		:		1x1	4		
		:		1x1	5		
		Largest		1x1	6		

● 16:9

Points/Mode	Area Size	ALL	pFocusArea->size	pFocusArea->h	pFocusArea->v
117	SINGLE	Smallest	1x1	1	-6 - +6
		:	1x1	2	
		:	1x1	3	
		:	1x1	4	
		:	1x1	5	
		Largest	1x1	6	
	ZONE	3 3	3x3	17	-5 - +5
		5 3	5x3	18	-4 - +4
		5 5	5x5	19	-4 - +4
		7 7	7x7	20	-3 - +3
	WIDE	13 7	13x7	0	0
	Tracking	-	1x1	3	-6 - +6
					-3 - +3
Points/Mode	Area Size	ALL	pFocusArea->size	pFocusArea->h	pFocusArea->v
425	SINGLE	Smallest	1x1	1	-12 - +12
		:	1x1	2	
		:	1x1	3	
		:	1x1	4	
		:	1x1	5	
		Largest	1x1	6	
		:	1x1	3	
		:	1x1	4	
		:	1x1	5	
		Largest	1x1	6	

● 1:1

Points/Mode	Area Size	ALL	pFocusArea->size	pFocusArea->h	pFocusArea->v
117	SINGLE	Smallest	1x1	1	-4 - +4
		:	1x1	2	
		:	1x1	3	
		:	1x1	4	
		:	1x1	5	
		Largest	1x1	6	
	ZONE	3 3	3x3	17	-3 - +3
		5 3	5x3	18	-2 - +2
		5 5	5x5	19	-2 - +2
		7 7	7x7	20	-1 - +1
	WIDE	13 7	13x7	0	0
	Tracking	-	1x1	3	-4 - +4
					-4 - +4
Points/Mode	Area Size	ALL	pFocusArea->size	pFocusArea->h	pFocusArea->v
425	SINGLE	Smallest	1x1	1	-8 - +8
		:	1x1	2	
		:	1x1	3	
		:	1x1	4	
		:	1x1	5	
		Largest	1x1	6	

● 65:24

Points/Mode	Area Size	ALL	pFocusArea->size	pFocusArea->h	pFocusArea->v
117	SINGLE	Smallest	1x1	1	-6 - +6
		:	1x1	2	
		:	1x1	3	
		:	1x1	4	
		:	1x1	5	
		Largest	1x1	6	
	ZONE	3 3	3x3	17	-5 - +5
		5 3	5x3	18	-4 - +4
		5 5	5x5	19	-4 - +4
		7 7	7x7	20	-3 - +3
	WIDE	13 7	13x7	0	0
	Tracking	-	1x1	3	-6 - +6

Points/Mode	Area Size	ALL	pFocusArea->size	pFocusArea->h	pFocusArea->v
425	SINGLE	Smallest	1x1	1	-12 - +12
		:	1x1	2	
		:	1x1	3	
		:	1x1	4	
		:	1x1	5	
		Largest	1x1	6	

● 5:4

Points/Mode	Area Size	ALL	pFocusArea->size	pFocusArea->h	pFocusArea->v
117	SINGLE	Smallest	1x1	1	-5 - +5
		:	1x1	2	
		:	1x1	3	
		:	1x1	4	
		:	1x1	5	
		Largest	1x1	6	
	ZONE	3 3	3x3	17	-4 - +4
		5 3	5x3	18	-3 - +3
		5 5	5x5	19	-3 - +3
		7 7	7x7	20	-2 - +2
	WIDE	13 7	13x7	0	0
	Tracking	-	1x1	3	-5 - +5

Points/Mode	Area Size	ALL	pFocusArea->size	pFocusArea->h	pFocusArea->v
425	SINGLE	Smallest	1x1	1	-10 - +10
		:	1x1	2	
		:	1x1	3	
		:	1x1	4	
		:	1x1	5	
		Largest	1x1	6	

● 7:6

Points/Mode		Area Size		ALL	pFocusArea->size	pFocusArea->h	pFocusArea->v
117	SINGLE	Smallest		1x1	1	-5 - +5	-4 - +4
		:		1x1	2		
		:		1x1	3		
		:		1x1	4		
		:		1x1	5		
		Largest		1x1	6		
	ZONE	3	3	3x3	17	-4 - +4	-3 - +3
		5	3	5x3	18	-3 - +3	-3 - +3
		5	5	5x5	19	-3 - +3	-2 - +2
		7	7	7x7	20	-2 - +2	-1 - +1
	WIDE	13	7	13x7	0	0	0
	Tracking	-		1x1	3	-5 - +5	-4 - +4
Points/Mode		Area Size		ALL	pFocusArea->size	pFocusArea->h	pFocusArea->v
425	SINGLE	Smallest		1x1	1	-10 - +10	-8 - +8
		:		1x1	2		
		:		1x1	3		
		:		1x1	4		
		:		1x1	5		
		Largest		1x1	6		

**Remarks**

This function can be used in State S3.

**See Also**

GetFocusArea

4.2.1.9. GetFocusArea

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Gets the FOCUS AREA and focus area-size settings.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lAngle ,
    <model>_FocusArea* pFocusArea
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetFocusArea
lAPIParam	(IN)	<model>_API_PARAM_GetFocusArea
lAngle	(IN)	See lAngle of “SetFocusArea”.
pFocusArea	(OUT)	See pFocusArea of “SetFocusArea”.

Remarks

This function can be used in State S3.

See Also

SetFocusArea

4.2.1.10. CapShutterPriorityMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
				✓				✓	✓	✓	✓									✓	✓	✓	

Description

Queries supported RELEASE/FOCUS PRIORITY settings for AF-S or AF-C..

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lFocusMode,
    long* plNum,
    long* plPriority
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.				
lAPICode	(IN)	<model>_API_CODE_CapShutterPriorityMode				
lAPIParam	(IN)	<model>_API_PARAM_CapShutterPriorityMode				
lFocusMode	(IN)	See lFocusMode of “SetShutterPriorityMode”				
plNum	(OUT)	Returns the number of “SetShutterPriorityMode” settings supported.				
plPriority	(OUT)	<table><tr><td>&lt;model&gt;_AFPRIORITY_RELEASE</td><td>RELEASE PRIORITY</td></tr><tr><td>&lt;model&gt;_AFPRIORITY_FOCUS</td><td>FOCUS PRIORITY</td></tr></table>	<model>_AFPRIORITY_RELEASE	RELEASE PRIORITY	<model>_AFPRIORITY_FOCUS	FOCUS PRIORITY
<model>_AFPRIORITY_RELEASE	RELEASE PRIORITY					
<model>_AFPRIORITY_FOCUS	FOCUS PRIORITY					

Remarks

This function can be used in State S3.

See Also

GetShutterPriorityMode

4.2.1.11. SetShutterPriorityMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Sets the RELEASE/FOCUS PRIORITY setting for AF-S or AF-C.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lFocusMode,  
    long lPriority  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetShutterPriorityMode	
lAPIParam	(IN)	<model>_API_PARAM_SetShutterPriorityMode	
lFocusMode	(IN)	The target focus mode.	
		<model>_ITEM_AFPRRIORITY_AFS	AF-S
		<model>_ITEM_AFPRRIORITY_AFC	AF-C
lPriority	(IN)		
		<model>_AFPRRIORITY_RELEASE	RELEASE PRIORITY
		<model>_AFPRRIORITY_FOCUS	FOCUS PRIORITY

Remarks

This function can be used in State S3.

See Also

GetShutterPriorityMode

4.2.1.12. GetShutterPriorityMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Gets the RELEASE/FOCUS PRIORITY setting for AF-S or AF-C.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lFocusMode,
    long* plPriority
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetShutterPriorityMode
lAPIParam	(IN)	<model>_API_PARAM_GetShutterPriorityMode
lFocusMode	(IN)	See lFocusMode of “SetShutterPriorityMode”
plPriority	(OUT)	See lPriority of “SetShutterPriorityMode”

Remarks

This function can be used in State S3.

See Also

SetShutterPriorityMode

MODEL DEPENDENT API

4.2.1.13. CapFaceDetectionMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	

Description

Queries supported FACE DETECTION modes.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plFDMode
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapFaceDetectionMode
lAPIParam	(IN)	<model>_API_PARAM_CapFaceDetectionMode
plNum	(OUT)	Returns the number of “SetFaceDetectionMode” settings supported.
plFDMode	(OUT)	See lFDMode of “SetFaceDetectionMode”.

Remarks

This function can be used in State S3.

See Also

SetFaceDetectionMode

MODEL DEPENDENT API

4.2.1.14. SetFaceDetectionMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Sets the FACE DETECTION mode.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lFDMode  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetFaceDetectionMode	
lAPIParam	(IN)	<model>_API_PARAM_SetFaceDetectionMode	
lFDMode	(IN)		
		<model>_FACE_DETECTION_ON	ON
		<model>_FACE_DETECTION_OFF	OFF

Remarks

This function can be used in State S3.

See Also

GetFaceDetectionMode

MODEL DEPENDENT API

4.2.1.15. GetFaceDetectionMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Gets the FACE DETECTION mode.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plFDMode  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetFaceDetectionMode
lAPIParam	(IN)	<model>_API_PARAM_GetFaceDetectionMode
plFDMode	(OUT)	See lFDMode of “SetFaceDetectionMode”.

Remarks

This function can be used in State S3.

See Also

SetFaceDetectionMode

4.2.1.16. CapEyeAFMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	

Description

Queries supported EYE AF modes.

Syntax

```
APIENTRY XSDK_CapProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plNum,  
    long* plEyeMode  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapEyeAFMode
lAPIParam	(IN)	<model>_API_PARAM_CapEyeAFMode
plNum	(OUT)	Returns the number of “SetEyeAFMode” settings supported.
plEyeMode	(OUT)	See lEyeMode of “SetEyeAFMode”.

Remarks

This function can be used in State S3.

See Also

SetEyeAFMode

4.2.1.17. SetEyeAFMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Sets the EYE AF mode.

Syntax

```
APIENTRY XSDK_SetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lEyeMode
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetEyeAFMode	
lAPIParam	(IN)	<model>_API_PARAM_SetEyeAFMode	
lEyeMode	(IN)		
		<model>_EYE_AF_OFF	OFF
		<model>_EYE_AF_AUTO	AUTO
		<model>_EYE_AF_RIGHT_PRIORITY	Right eye priority
		<model>_EYE_AF_LEFT_PRIORITY	Left eye priority

Remarks

This function can be used in State S3.

See Also

GetEyeAFMode

MODEL DEPENDENT API

4.2.1.18. GetEyeAFMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Gets the EYE AF mode.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plEyeMode
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetEyeAFMode
lAPIParam	(IN)	<model>_API_PARAM_GetEyeAFMode
plEyeMode	(OUT)	See lEyeMode of “SetEyeAFMode”.

Remarks

This function can be used in State S3.

See Also

SetEyeAFMode

4.2.1.19. CapSubjectDetectionMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	

Description

Queries supported subject detection modes.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plMode
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapSubjectDetectionMode
lAPIParam	(IN)	<model>_API_PARAM_CapSubjectDetectionMode
plNum	(OUT)	Returns the number of “SetSubjectDetectionMode” settings supported.
plMode	(OUT)	See lMode of “SetSubjectDetectionMode”.

Remarks

This function can be used in State S3.

See Also

SetSubjectDetectionMode

MODEL DEPENDENT API

4.2.1.20. SetSubjectDetectionMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	

Description

Sets the subject detection mode.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lMode  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.														
lAPICode	(IN)	<model>_API_CODE_SetSubjectDetectionMode														
lAPIParam	(IN)	<model>_API_PARAM_SetSubjectDetectionMode														
lMode	(IN)	<table><tr><td>&lt;model&gt;_SUBJECT_DETECTION_OFF</td><td>OFF</td></tr><tr><td>&lt;model&gt;_SUBJECT_DETECTION_ANIMAL</td><td>Animal</td></tr><tr><td>&lt;model&gt;_SUBJECT_DETECTION_BIRD</td><td>Bird</td></tr><tr><td>&lt;model&gt;_SUBJECT_DETECTION_CAR</td><td>Automobile</td></tr><tr><td>&lt;model&gt;_SUBJECT_DETECTION_BIKE</td><td>Motor cycle &amp; Bike</td></tr><tr><td>&lt;model&gt;_SUBJECT_DETECTION_AIRPLANE</td><td>Airplane</td></tr><tr><td>&lt;model&gt;_SUBJECT_DETECTION_TRAIN</td><td>Train</td></tr></table>	<model>_SUBJECT_DETECTION_OFF	OFF	<model>_SUBJECT_DETECTION_ANIMAL	Animal	<model>_SUBJECT_DETECTION_BIRD	Bird	<model>_SUBJECT_DETECTION_CAR	Automobile	<model>_SUBJECT_DETECTION_BIKE	Motor cycle & Bike	<model>_SUBJECT_DETECTION_AIRPLANE	Airplane	<model>_SUBJECT_DETECTION_TRAIN	Train
<model>_SUBJECT_DETECTION_OFF	OFF															
<model>_SUBJECT_DETECTION_ANIMAL	Animal															
<model>_SUBJECT_DETECTION_BIRD	Bird															
<model>_SUBJECT_DETECTION_CAR	Automobile															
<model>_SUBJECT_DETECTION_BIKE	Motor cycle & Bike															
<model>_SUBJECT_DETECTION_AIRPLANE	Airplane															
<model>_SUBJECT_DETECTION_TRAIN	Train															

Remarks

This function can be used in State S3.

See Also

GetEyeAFMode

4.2.1.21. GetSubjectDetectionMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
				✓				✓	✓	✓	✓									✓	✓	✓	

Description

Gets the subject detection mode.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plMode  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetSubjectDetectionMode
lAPIParam	(IN)	<model>_API_PARAM_GetSubjectDetectionMode
plMode	(OUT)	See lMode of “SetSubjectDetectionMode”.

Remarks

This function can be used in State S3.

See Also

SetSubjectDetectionMode

MODEL DEPENDENT API

4.2.1.22. CapFullTimeManualFocus

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	

Description

Queries supported AF+MF modes.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plFullTimeManual
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapFullTimeManualFocus
lAPIParam	(IN)	<model>_API_PARAM_CapFullTimeManualFocus
plNum	(OUT)	Returns the number of “SetFullTimeManualFocus” settings supported.
plFullTimeManual	(OUT)	See lFullTimeManual of “SetFullTimeManualFocus”.

Remarks

This function can be used in State S3.

See Also

SetFullTimeManualFocus

4.2.1.23. SetFullTimeManualFocus

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Sets the AF+MF mode.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lFullTimeManual  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetFullTimeManualFocus	
lAPIParam	(IN)	<model>_API_PARAM_SetFullTimeManualFocus	
lFullTimeManual	(IN)		
		<model>_OFF	OFF
		<model>_ON	ON

Remarks

This function can be used in State S3.

See Also

GetFullTimeManualFocus

MODEL DEPENDENT API

4.2.1.24. GetFullTimeManualFocus

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Gets the AF+MF mode.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plFullTimeManual  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetFullTimeManualFocus
lAPIParam	(IN)	<model>_API_PARAM_GetFullTimeManualFocus
plFullTimeManual	(OUT)	See lFullTimeManual of “SetFullTimeManualFocus”.

Remarks

This function can be used in State S3.

See Also

SetFullTimeManualFocus

4.2.1.1. CapFocusPoints

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	

Description

Queries supported options for selecting the NUMBER OF FOCUS POINTS

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plFocusPoints
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapFocusPoints
lAPIParam	(IN)	<model>_API_PARAM_CapFocusPoints
plNum	(OUT)	Returns the number of “SetFocusPoints” settings supported.
plFocusPoints	(OUT)	

<model>_FOCUS_POINTS_11X7	77 POINTS
<model>_FOCUS_POINTS_13X7	91 POINTS
<model>_FOCUS_POINTS_13X9	117 POINTS
<model>_FOCUS_POINTS_21X13	273 POINTS
<model>_FOCUS_POINTS_25X13	325 POINTS
<model>_FOCUS_POINTS_25X17	425 POINTS

Remarks

This function can be used in State S3.

See Also

SetFocusPoints

MODEL DEPENDENT API

4.2.1.1. SetFocusPoints

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Sets the NUMBER OF FOCUS POINTS.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lFocusPoints  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetFocusPoints	
lAPIParam	(IN)	<model>_API_PARAM_SetFocusPoints	
lFocusPoints	(IN)		
		<model>_FOCUS_POINTS_13X7	91 POINTS
		<model>_FOCUS_POINTS_25X13	325 POINTS
		<model>_FOCUS_POINTS_13X9	117 POINTS
		<model>_FOCUS_POINTS_25X17	425 POINTS

The options supported vary with the camera model.

Remarks

This function can be used in State S3.

See Also

GetFocusPoints

4.2.1.2. GetFocusPoints

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Gets the NUMBER OF FOCUS POINTS.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plFocusPoints  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetFocusPoints
lAPIParam	(IN)	<model>_API_PARAM_GetFocusPoints
plFocusPoints	(OUT)	See lFocusPoints of “SetFocusPoints”.

Remarks

This function can be used in State S3.

See Also

SetFocusPoints

4.2.1.3. CapInstantAFMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported INSTANT AF SETTING options.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plInstantAFMode
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapInstantAFMode
lAPIParam	(IN)	<model>_API_PARAM_CapInstantAFMode
plNum	(OUT)	Returns the number of “SetInstantAFMode” settings supported.
plInstantAFMode	(OUT)	See lInstantAFMode of “SetInstantAFMode”.

Remarks

This function can be used in State S3.

See Also

SetInstantAFMode

MODEL DEPENDENT API

4.2.1.4. SetInstantAFMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

Description

Sets the INSTANT AF SETTING.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lInstantAFMode  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetInstantAFMode	
lAPIParam	(IN)	<model>_API_PARAM_SetInstantAFMode	
lInstantAFMode	(IN)		
		<model>_INSTANT_AF_MODE_AFS	AF-S
		<model>_INSTANT_AF_MODE_AFC	AF-C

Remarks

This function can be used in State S3.

See Also

GetInstantAFMode

MODEL DEPENDENT API

4.2.1.5. GetInstantAFMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

Description

Gets the INSTANT AF SETTING.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plInstantAFMode  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetInstantAFMode
lAPIParam	(IN)	<model>_API_PARAM_GetInstantAFMode
plInstantAFMode	(OUT)	See lInstantAFMode of “SetInstantAFMode”.

Remarks

This function can be used in State S3.

See Also

SetInstantAFMode

4.2.1.6. CapPreAFMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	

Description

Queries supported PRE-AF settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plPreAF
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapPreAFMode
lCategory	(IN)	<model>_API_PARAM_CapPreAFMode
plNum	(OUT)	Returns the number of “SetPreAFMode” settings supported.
plPreAF	(OUT)	See lPreAF of “SetPreAFMode”.

Remarks

This function can be used in State S3.

See Also

SetPreAFMode

4.2.1.7. SetPreAFMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Sets the PRE-AF setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lPreAF  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.					
lAPICode	(IN)	<model>_API_CODE_SetPreAFMode					
lAPIParam	(IN)	<model>_API_PARAM_SetPreAFMode					
lPreAF	(IN)	<table><tr><td>&lt;model&gt;_ON</td><td>ON</td></tr><tr><td>&lt;model&gt;_OFF</td><td>OFF</td></tr></table>		<model>_ON	ON	<model>_OFF	OFF
<model>_ON	ON						
<model>_OFF	OFF						

Remarks

This function can be used in State S3.

See Also

GetPreAFMode

4.2.1.8. GetPreAFMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Gets the PRE-AF setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plPreAF  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetPreAFMode
lCategory	(IN)	<model>_API_PARAM_GetPreAFMode
plPreAF	(OUT)	See lPreAF of “SetPreAFMode”.

Remarks

This function can be used in State S3.

See Also

SetPreAFMode

MODEL DEPENDENT API

4.2.1.9. CapAFilluminator

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	

Description

Queries supported AF ILLUMINATOR settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plAFilluminator
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapAFilluminator
lAPIParam	(IN)	<model>_API_PARAM_CapAFilluminator
plNum	(OUT)	Returns the number of “SetAFilluminator” settings supported.
plAFilluminator	(OUT)	See lAFilluminator of “SetAFilluminator”.

Remarks

This function can be used in State S3.

See Also

SetAFilluminator

4.2.1.10. SetAFilluminator

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Sets the AF ILLUMINATOR setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lAFilluminator  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetAFilluminator	
lAPIParam	(IN)	<model>_API_PARAM_SetAFilluminator	
lAFilluminator	(IN)		
		<model>_ON	ON
		<model>_OFF	OFF

Remarks

This function can be used in State S3.

See Also

GetAFilluminator

4.2.1.11. GetAFilluminator

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	

Description

Gets the AF ILLUMINATOR setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plAFilluminator  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetAFilluminator
lAPIParam	(IN)	<model>_API_PARAM_GetAFilluminator
plAFilluminator	(OUT)	See lAFilluminator of “SetAFilluminator”.

Remarks

This function can be used in State S3.

See Also

SetAFilluminator

4.2.1.12. CapFocusPos

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

Description

Queries the focus positions to set available in manual focus mode.

*Note that the focus position is not absolute, but fluctuates with temperature and a variety of other conditions.*

*The relative focus position can be specified using GetFocusPos and CapFocusPos.*

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSizeFocusPosCap,
    <model>_FOCUS_POS_CAP * pFocusPosCap
);
```

Return Value

XSDK\_COMPLETE : SUCCESS

XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapFocusPos
lAPIParam	(IN)	<model>_API_PARAM_CapFocusPos
plSizeFocusPosCap	(IN/OUT)	Set sizeof(<model>_FOCUS_POS_CAP) prior to calling the API.
pFocusPosCap	(OUT)	typedef struct _<model>_FOCUS_POS_CAP { long lSizeFocusPosCap; long lStructVer; long lFocusPlsINF; long lFocusPlsMOD; long lFocusOverSearchPlsINF; long lFocusOverSearchPlsMOD; long lFocusPlsFCSDepthCap; long lMinDriveStepMFDriveEndThresh; } <model>_FOCUS_POS_CAP, *P<model>_FOCUS_POS_CAP;

MODEL DEPENDENT API

### Note

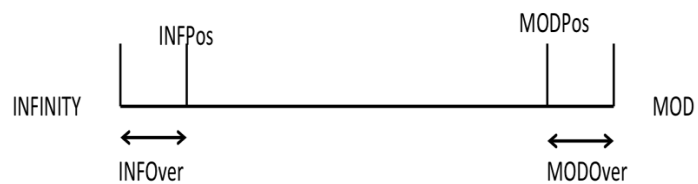
lSizeFocusPosCap :

```
sizeof(<model>_FOCUS_POS_CAP)
```

lStructVer :

Fixed to 0x00010000

IFocusOverSearchPlsMOD, IFocusPlsMOD, IFocusPlsINF, IFocusOverSearchPlsINF:


$$\begin{array}{ccc} \text{INF} \leftarrow \text{IFocusOverSearchPlsINF} \rightarrow \uparrow \leftarrow & // & \rightarrow \uparrow \leftarrow \text{IFocusOverSearchPlsMOD} \rightarrow \text{MOD} \\ \text{IFocusPlsINF} & & \text{IFocusPlsMOD} \end{array}$$

lFocusPlsFCSDepthCap :

DOF pulse. Returns zero if the lens does not support Set/GetFocusPos.

lMinDriveStepMFDriveEndThresh :

Minimum travel pulse. Returns zero if the lens does not support Set/GetFocusPos.

### Remarks

This function can be used in State S3.

## See Also

## SetFocusPos, GetFocusPos

4.2.1.13. SetFocusPos

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

Description

Sets the focus position for manual focus mode.

*Note that the focus position is not absolute, but fluctuates with temperature and a variety of other conditions.  
The relative focus position can be specified using GetFocusPos and CapFocusPos.*

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lFocusPos  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_SetFocusPos
lAPIParam	(IN)	<model>_API_PARAM_SetFocusPos
lFocusPos	(IN)	The target focus position to set. See “CapFocusPos”.

Remarks

This function can be used in State S3.

See Also

CapFocusPos, GetFocusPos

4.2.1.14. GetFocusPos

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

Description

Gets the focus position for manual focus mode.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plFocusPos  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetFocusPos
lAPIParam	(IN)	<model>_API_PARAM_GetFocusPos
plFocusPos	(OUT)	The current focus position pulse. See “CapFocusPos”.

Remarks

This function can be used in State S3.

See Also

CapFocusPos, SetFocusPos

**4.2.1.15. CapFocusLimiterPos****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
				✓				✓	✓	✓	✓									✓	✓	✓	✓

**Description**

Queries available AF search ranges (near/far) for focus limiter 1(custom).

**Syntax**

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plPosNum,
    long* plModeNum,
    long* plFocusLimiterPos,
    long* plMode
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Parameters**

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_CapFocusLimiterPos	
lAPIParam	(IN)	<model>_API_PARAM_CapFocusLimiterPos	
plPosNum	(IN/OUT)	Returns the number of available edge positions.	
plModeNum	(IN/OUT)	Returns 1 always.	
plFocusLimiterPos	(OUT)	The available endpoints .	
		<model>_FOCUS_LIMITER_POS_A	AF search endpoint A
		<model>_FOCUS_LIMITER_POS_B	AF search endpoint B
plMode	(OUT)	Available(customizable) focus limiter list.	
		Fixed to <model>_FOCUS_LIMITER_1.	
		<model>_FOCUS_LIMITER_1	Custom

**Remarks**

This function can be used in State S3.

**See Also**

SetFocusLimiterPos

**Sample**

---

```
long lAPICode = <model>_API_CODE_CapFocusLimiterPos;
long lAPICode = <model>_API_PARAM_CapFocusLimiterPos;
long lPosNum;
long lModeNum;
long* plFocusLimiterPos;
long* plMode;
XSDK_CapProp( hCam, lAPICode, lAPIParam, &lPosNum, &lModeNum, NULL, NULL );
plFocusLimiterPos = new long [lPosNum];
plMode = new long [lModeNum];
XSDK_CapProp( hCam, lAPICode, lAPIParam, &lPosNum, &lModeNum, plFocusLimiterPos, plMode );
:
delete [] plFocusLimiterPos;
delete [] plMode;
```

**4.2.1.16. SetFocusLimiterPos****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA 55
			✓	✓		✓	✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓	✓

**Description**

Sets the current focus position to one of endpoints of a focus limiter.

**Syntax**

```
APIENTRY XSDK_SetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lFocusLimiterPos,
    long lMode
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Parameters**

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetFocusLimiterPos

lAPIParam (IN) <model>\_API\_PARAM\_SetFocusLimiterPos

lFocusLimiterPos (IN) The selection of the target limiter endpoint.

<model>_FOCUS_LIMITER_POS_A	Search range limit A
<model>_FOCUS_LIMITER_POS_B	Search range limit B

lMode (IN) The selection of the target focus limiter(custom).

<model>_FOCUS_LIMITER_1	Custom
-------------------------	--------

**Remarks**

This function can be used in State S3.

**See Also**

CapFocusLimiterPos

**4.2.1.17. GetFocusLimiterIndicator****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA 55
			✓	✓		✓	✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓	✓

**Description**

Gets a information for the current focus limiter.

Usable for drawing a focus indicator.

**Syntax**

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long IAPICode,
    long IAPIParam,
    <model>_FOCUS_LIMITER_INDICATOR* pFocusLimiterIndicator
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS

XSDK\_ERROR : ERROR

**Parameters**

hCamera (IN) The camera handle.

IAPICode (IN) <model>\_API\_CODE\_GetFocusLimiterIndicator

IAPIParam (IN) <model>\_API\_PARAM\_GetFocusLimiterIndicator

pFocusLimiterIndicator (OUT) typedef struct \_<model>\_FOCUS\_LIMITER\_INDICATOR {  
     long ICurrent;  
     long IDOF\_Near;  
     long IDOF\_Far;  
     long IPos\_A;  
     long IPos\_B;  
     long IStatus;  
 } <model>\_FOCUS\_LIMITER\_INDICATOR;

The locations for each position below normalized 0 to 1024. (0 for MOD, 1024 for infinity)

ICurrent : The current focus position.

IDOF\_Near: Endpoint on MOD side of Depth of field.

IDOF\_Far: Endpoint on infinity side of Depth of field.

IPos\_A: A endpoint of AF search range.

IPos\_B: B endpoint of AF search range.

lStatus: Queries whether the search range is valid or not.

1: Valid; 0: Invalid.

**Remarks**

This function can be used in State S3.

**See Also**

4.2.1.18. GetFocusLimiterRange

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
			✓	✓		✓	✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓	✓

Description

Gets a list of the endpoints for available focus limiters in specified unit.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    <model>_FOCUS_LIMITER* pFocusLimiter
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetFocusLimiterRange
lAPIParam	(IN)	<model>_API_PARAM_GetFocusLimiterRange
plNum	(OUT)	Returns the number of available focus limiters.
pFocusLimiter	(OUT)	When the pFocusLimiter is set to NULL, this API returns the number of available focus limiters for plNum.

If not NULL, the API will return a list of the <model>\_FOCUS\_LIMITER.  
Allocate sizeof(<model>\_FOCUS\_LIMITER) \* (\*plNum) bytes of space before calling this function.

```
typedef struct _<model>_FOCUS_LIMITER {
    long lPos_A;
    long lPos_B;
} <model>_FOCUS_LIMITER;
```

lPos\_A: The absolute distance for the endpoint A in mm or 1/1000 ft.  
lPos\_B: The absolute distance for the endpoint B in mm or 1/1000 ft.  
\*Use SetFocusScaleUnit to select the unit, GetFocusScaleUnit to get the current

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---

unit setting.

\*The valid value will be from 0 to 0x00FFFFFE. 0x00FFFFFF shows that no endpoint is set.

---

**Remarks**

This function can be used in State S3.

**See Also**

GetScaleUnit

4.2.1.19. CapFocusLimiterMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries available focus limiter selections.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plMode
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapFocusLimiterMode
lAPIParam	(IN)	<model>_API_PARAM_CapFocusLimiterMode
plNum	(OUT)	Returns the number of “SetFocusLimiterMode” settings supported.
plMode	(OUT)	

<model>_FOCUS_LIMITER_OFF	OFF
<model>_FOCUS_LIMITER_1	CUSTOM
<model>_FOCUS_LIMITER_2	PRESET1
<model>_FOCUS_LIMITER_3	PRESET2

Remarks

This function can be used in State S3.

See Also

SetFocusLimiterMode, GetFocusLimiterMode

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4.2.1.20. SetFocusLimiterMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
			✓	✓		✓	✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓	✓

Description

Sets the focus limiter selection.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lMode  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetFocusLimiterMode	
lAPIParam	(IN)	<model>_API_PARAM_SetFocusLimiterMode	
lMode	(IN)		
		<model>_FOCUS_LIMITER_OFF	OFF
		<model>_FOCUS_LIMITER_1	CUSTOM
		<model>_FOCUS_LIMITER_2	PRESET1
		<model>_FOCUS_LIMITER_3	PRESET2

Remarks

This function can be used in State S3.

See Also

CapFocusLimiterMode, GetFocusLimiterMode

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4.2.1.21. GetFocusLimiterMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
			✓	✓		✓	✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓	✓

Description

Gets the current focus limiter selection.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plMode  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_GetFocusLimiterMode	
lAPIParam	(IN)	<model>_API_PARAM_GetFocusLimiterMode	
plMode	(OUT)		
		<model>_FOCUS_LIMITER_OFF	OFF
		<model>_FOCUS_LIMITER_1	CUSTOM
		<model>_FOCUS_LIMITER_2	PRESET1
		<model>_FOCUS_LIMITER_3	PRESET2

Remarks

This function can be used in State S3.

See Also

CapFocusLimiterMode, SetFocusLimiterMode

**4.2.1.22. CapFocusSpeed****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓					✓	✓	✓											✓

**Description**

Queries available focus speed selections.

**Syntax**

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSpeed
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Parameters**

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapFocusSpeed
lAPIParam	(IN)	<model>_API_PARAM_CapFocusSpeed
plNum	(OUT)	Returns the number of “SetFocusSpeed” settings supported.
plSpeed	(OUT)	

<model>_LENS_FOCUS_SPEED_1	speed 1 (slowest)
<model>_LENS_FOCUS_SPEED_2	spped 2
<model>_LENS_FOCUS_SPEED_3	spped 3
<model>_LENS_FOCUS_SPEED_4	spped 4
<model>_LENS_FOCUS_SPEED_5	spped 5
<model>_LENS_FOCUS_SPEED_6	spped 6
<model>_LENS_FOCUS_SPEED_7	spped 7
<model>_LENS_FOCUS_SPEED_8	spped 8 (fastest)

**Remarks**

This function can be used in State S3.

**See Also**

SetFocusSpeed, GetFocusSpeed

**4.2.1.23. SetFocusSpeed****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓					✓	✓	✓											✓

**Description**

Sets the focus speed selection.

**Syntax**

```
APIENTRY XSDK_SetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSpeed
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS

XSDK\_ERROR : ERROR

**Parameters**

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetFocusSpeed

lAPIParam (IN) <model>\_API\_PARAM\_SetFocusSpeed

lSpeed (IN)

<model>_LENS_FOCUS_SPEED_1	speed 1 (slowest)
<model>_LENS_FOCUS_SPEED_2	spped 2
<model>_LENS_FOCUS_SPEED_3	spped 3
<model>_LENS_FOCUS_SPEED_4	spped 4
<model>_LENS_FOCUS_SPEED_5	spped 5
<model>_LENS_FOCUS_SPEED_6	spped 6
<model>_LENS_FOCUS_SPEED_7	spped 7
<model>_LENS_FOCUS_SPEED_8	spped 8 (fastest)

**Remarks**

This function can be used in State S3.

**See Also**

CapFocusSpeed, GetFocusSpeed

4.2.1.24. GetFocusSpeed

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓					✓	✓	✓											✓

Description

Gets the current focus speed selection.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSpeed
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetFocusSpeed	
lAPIParam	(IN)	<model>_API_PARAM_SetFocusSpeed	
plSpeed	(OUT)		
		<model>_LENS_FOCUS_SPEED_1	speed 1 (slowest)
		<model>_LENS_FOCUS_SPEED_2	spped 2
		<model>_LENS_FOCUS_SPEED_3	spped 3
		<model>_LENS_FOCUS_SPEED_4	spped 4
		<model>_LENS_FOCUS_SPEED_5	spped 5
		<model>_LENS_FOCUS_SPEED_6	spped 6
		<model>_LENS_FOCUS_SPEED_7	spped 7
		<model>_LENS_FOCUS_SPEED_8	spped 8 (fastest)

Remarks

This function can be used in State S3.

See Also

CapFocusSpeed, SetFocusSpeed

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**4.2.1.25. CapFocusOperation****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓					✓	✓	✓											✓

**Description**

Queries available focus operations.

**Syntax**

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting,
    long* plNumSpeed,
    long* plSpeed
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Parameters**

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapFocusOperation
lAPIParam	(IN)	<model>_API_PARAM_CapFocusOperation
plNum	(OUT)	Returns the number of “SetFocusOperation” settings supported setting.
plSetting	(OUT)	

<model>_ZOOM_OPERATION_START	start
<model>_ZOOM_OPERATION_STOP	stop

plNumSpeed	(OUT)	Returns the number of “SetFocusOperation” settings supported speed.
plSpeed	(OUT)	

<model>_LENS_FOCUS_SPEED_1	speed 1 (slowest)
<model>_LENS_FOCUS_SPEED_2	spped 2
<model>_LENS_FOCUS_SPEED_3	spped 3
<model>_LENS_FOCUS_SPEED_4	spped 4
<model>_LENS_FOCUS_SPEED_5	spped 5

<model>_LENS_FOCUS_SPEED_6	spped 6
<model>_LENS_FOCUS_SPEED_7	spped 7
<model>_LENS_FOCUS_SPEED_8	spped 8 (fastest)

Remarks

This function can be used in State S3.

See Also

SetFocusOperation

MODEL DEPENDENT API

## 4.2.1.26. SetFocusOperation

## Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA 55
				✓					✓	✓	✓												✓

## Description

Triggers the focus operation.

## Syntax

```
APIENTRY XSDK_SetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSpeed,
    long lDirection,
    long lSpeed
);
```

## Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

## Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetFocusOperation

lAPIParam (IN) <model>\_API\_PARAM\_SetFocusOperation

lSetting (IN)

<model>_FOCUS_OPERATION_START	start
<model>_FOCUS_OPERATION_STOP	stop

lDirection (IN)

<model>_FOCUS_DIRECTION_NEAR	near
<model>_FOCUS_DIRECTION_FAR	far

lSpeed (IN)

<model>_LENS_FOCUS_SPEED_1	speed 1 (slowest)
<model>_LENS_FOCUS_SPEED_2	spped 2
<model>_LENS_FOCUS_SPEED_3	spped 3
<model>_LENS_FOCUS_SPEED_4	spped 4
<model>_LENS_FOCUS_SPEED_5	spped 5

<model>_LENS_FOCUS_SPEED_6	spped 6
<model>_LENS_FOCUS_SPEED_7	spped 7
<model>_LENS_FOCUS_SPEED_8	spped 8 (fastest)

Remarks

This function can be used in State S3.

See Also

CapFocusOperation

MODEL DEPENDENT API

4.2.1.27. CapAFZoneCustom

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
											✓								✓	✓	✓	

Description

Queries supported *ZONE CUSTOM* settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long*plNum,
    <model>_AFZoneCustomCapablity* pZoneCustom
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapAFZoneCustom
lAPIParam	(IN)	<model>_API_PARAM_CapAFZoneCustom
plNumMode	(IN/OUT)	Returns the number of “SeAFZoneCustom” settings supported.
pZoneCustom	(OUT)	typedef struct _SDK_AFZoneCustomCapablity { long mode; // Zone custom mode SDK_AFZoneCustom min; // Minimum set value SDK_AFZoneCustom max; // Maximum set value } SDK_AFZoneCustomCapablity;

\*Zone custom mode

<model>_AF_ZONECUSTOM1	ZoneCustom1
<model>_AF_ZONECUSTOM2	ZoneCustom2
<model>_AF_ZONECUSTOM3	ZoneCustom3

\*Set value structure

```
typedef struct{
    long h; // Horizontal display coordinate (absolute)
```

---

```
        long    v;    // Vertical display coordinate (absolute)
    } <model>_AFZoneCustom;
```

---

**Note**

If pZoneCustom is NULL, the function will return only plNum with the number of supported SetAFZoneCustom settings.

Otherwise it will return pZoneCustom with a list of the SetAFZoneCustom settings supported. \*plNum should be set to the number of allocated SDK\_AFZoneCustomCapablity.

Allocate sizeof(SDK\_AFZoneCustomCapablity) \* (\*plNum) bytes of space before calling this function.

**Remarks**

This function can be used in State S3.

**See Also**

SetAFZoneCustom, GetAFZoneCustom

4.2.1.28. SetAFZoneCustom

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA 55
											✓									✓	✓	✓	

Description

Sets the *ZONE CUSTOM* setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lMode,  
    <model>_AFZoneCustom* pZoneCustom  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_SetAFZoneCustom
lAPIParam	(IN)	<model>_API_PARAM_SetAFZoneCustom
lMode	(IN)	See mode of “CapAFZoneCustom”.
pZoneCustom	(IN)	Value to set.  typedef struct{ long h; // Horizontal display coordinate (absolute) long v; // Vertical display coordinate (absolute) } <model>_AFZoneCustom

Remarks

This function can be used in State S3.

See Also

CapAFZoneCustom, GetAFZoneCustom

4.2.1.29. GetAFZoneCustom

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
											✓									✓	✓	✓	

Description

Gets the *ZONE CUSTOM* setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lMode ,  
    <model>_AFZoneCustom* pZoneCustom  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetAFZoneCustom
lAPIParam	(IN)	<model>_API_PARAM_GetAFZoneCustom
lMode	(IN)	See mode of “CapAFZoneCustom”.
pZoneCustom	(OUT)	See pZoneCustom of “SetAFZoneCustom”.

Remarks

This function can be used in State S3.

See Also

CapAFZoneCustom, SetAFZoneCustom

4.2.2. Crop Control

4.2.2.1. CapCropMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
				✓				✓	✓	✓	✓									✓	✓	✓	

Description

Queries supported crop modes.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plCropMode
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapCropMode
lAPIParam	(IN)	<model>_API_PARAM_CapCropMode
plNum	(OUT)	Returns the number of “SetCropMode” settings supported.
plCropMode	(OUT)	

[GFX System

<model>_CROPMODE_OFF	OFF
<model>_CROPMODE_35MM	ON
<model>_CROPMODE_AUTO	AUTO

[X Series]

<model>_CROPMODE_OFF	OFF
<model>_CROPMODE_SPORTSFINDER_125	ON

Remarks

This function can be used in State S3.

See Also

SetCropMode, GetCropMode

**4.2.2.2. SetCropMode****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA 55
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

**Description**

Sets the crop mode.

**Syntax**

```
APIENTRY XSDK_SetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lCropMode
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS

XSDK\_ERROR : ERROR

**Parameters**

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_SetCropMode
lAPIParam	(IN)	<model>_API_PARAM_SetCropMode
lCropMode	(IN)	

**[GFX System]**

<model>_CROPMODE_OFF	OFF
<model>_CROPMODE_35MM	ON
<model>_CROPMODE_AUTO	AUTO

**[X Series]**

<model>_CROPMODE_OFF	OFF
<model>_CROPMODE_SPORTSFINDER_125	ON

**Remarks**

This function can be used in State S3.

**See Also**

---

CapCropMode, GetCropMode

MODEL DEPENDENT API

4.2.2.3. GetCropMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Gets the crop mode.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plCropMode,
    long* plCropModeStatus
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetCropMode
lAPIParam	(IN)	<model>_API_PARAM_GetCropMode
plCropMode	(OUT)	

[GFX System]

<model>_CROPMODE_OFF	OFF
<model>_CROPMODE_35MM	ON
<model>_CROPMODE_AUTO	AUTO

[X Series]

<model>_CROPMODE_OFF	OFF
<model>_CROPMODE_SPORTSFINDER_125	ON

plCropModeStatus (OUT)

[GFX System]

<model>_CROPMODE_OFF	OFF
----------------------	-----

MODEL DEPENDENT API

<model>_CROPMODE_35MM	ON
-----------------------	----

[X Series]

<model>_CROPMODE_OFF	OFF
<model>_CROPMODE_SPORTSFINDER_125	ON

Remarks

This function can be used in State S3.

See Also

CapCropMode, SetCropMode

**4.2.2.4. CapCropZoom****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓					✓												✓	

**Description**

Queries available crop zoom magnification ratios.

**Syntax**

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plZoom
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Parameters**

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapCropZoom
lAPIParam	(IN)	<model>_API_PARAM_CapCropZoom
plNum	(OUT)	Returns the number of “SetCropZoom” settings supported.
plZoom	(OUT)	

<model>_CROP_ZOOM_OFF	OFF
<model>_CROP_ZOOM_10	x 1.0
<model>_CROP_ZOOM_11	x 1.1
<model>_CROP_ZOOM_12	x 1.2
<model>_CROP_ZOOM_13	x 1.3
<model>_CROP_ZOOM_14	x 1.4
<model>_CROP_ZOOM_15	x 1.5
<model>_CROP_ZOOM_16	x 1.6
<model>_CROP_ZOOM_17	x 1.7
<model>_CROP_ZOOM_18	x 1.8
<model>_CROP_ZOOM_19	x 1.9
<model>_CROP_ZOOM_20	x 2.0

[GFX100RF]

<model>_CROP_ZOOM_OFF	OFF
<model>_CROP_ZOOM_45MM	45mm(36mm)
<model>_CROP_ZOOM_63MM	63mm(50mm)
<model>_CROP_ZOOM_80MM	80mm(63mm)

The values in parentheses are 35mm format equivalent.

Remarks

This function can be used in State S3.

See Also

SetCropZoom, GetCropZoom

4.2.2.5. SetCropZoom

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
				✓					✓													✓	

Description

Sets the crop zoom magnification ratio.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lZoom  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_SetCropZoom
lAPIParam	(IN)	<model>_API_PARAM_SetCropZoom
lZoom	(IN)	

<model>_CROP_ZOOM_OFF	OFF
<model>_CROP_ZOOM_10	x 1.0
<model>_CROP_ZOOM_11	x 1.1
<model>_CROP_ZOOM_12	x 1.2
<model>_CROP_ZOOM_13	x 1.3
<model>_CROP_ZOOM_14	x 1.4
<model>_CROP_ZOOM_15	x 1.5
<model>_CROP_ZOOM_16	x 1.6
<model>_CROP_ZOOM_17	x 1.7
<model>_CROP_ZOOM_18	x 1.8
<model>_CROP_ZOOM_19	x 1.9
<model>_CROP_ZOOM_20	x 2.0

[GFX100RF]

MODEL DEPENDENT API

<model>_CROP_ZOOM_OFF	OFF
<model>_CROP_ZOOM_45MM	45mm(36mm)
<model>_CROP_ZOOM_63MM	63mm(50mm)
<model>_CROP_ZOOM_80MM	80mm(63mm)

The values in parentheses are 35mm format equivalent.

Remarks

This function can be used in State S3.

See Also

CapCropZoom, GetCropZoom

MODEL DEPENDENT API

4.2.2.6. GetCropZoom

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓					✓												✓	

Description

Gets the current crop zoom magnification ratio.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plZoom  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_GetCropZoom	
lAPIParam	(IN)	<model>_API_PARAM_GetCropZoom	
plZoom	(OUT)		
		<model>_CROP_ZOOM_OFF	OFF
		<model>_CROP_ZOOM_10	x 1.0
		<model>_CROP_ZOOM_11	x 1.1
		<model>_CROP_ZOOM_12	x 1.2
		<model>_CROP_ZOOM_13	x 1.3
		<model>_CROP_ZOOM_14	x 1.4
		<model>_CROP_ZOOM_15	x 1.5
		<model>_CROP_ZOOM_16	x 1.6
		<model>_CROP_ZOOM_17	x 1.7
		<model>_CROP_ZOOM_18	x 1.8
		<model>_CROP_ZOOM_19	x 1.9
		<model>_CROP_ZOOM_20	x 2.0

[GFX100RF]

MODEL DEPENDENT API

<model>_CROP_ZOOM_OFF	OFF
<model>_CROP_ZOOM_45MM	45mm(36mm)
<model>_CROP_ZOOM_63MM	63mm(50mm)
<model>_CROP_ZOOM_80MM	80mm()

Remarks

This function can be used in State S3.

See Also

CapFocusLimiterMode, SetFocusLimiterMode

MODEL DEPENDENT API

4.2.3. Zoom Control

4.2.3.1. CapZoomSpeed

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA 55
				✓					✓	✓	✓												✓

Description

Queries available zoom speed selections.

Syntax

```
APIENTRY XSDK_CapProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plNum,  
    long* plSpeed  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapZoomSpeed
lAPIParam	(IN)	<model>_API_PARAM_CapZoomSpeed
plNum	(OUT)	Returns the number of “SetZoomSpeed” settings supported.
plSpeed	(OUT)	

<model>_LENS_ZOOM_SPEED_1	speed 1 (slowest)
<model>_LENS_ZOOM_SPEED_2	spped 2
<model>_LENS_ZOOM_SPEED_3	spped 3
<model>_LENS_ZOOM_SPEED_4	spped 4
<model>_LENS_ZOOM_SPEED_5	spped 5
<model>_LENS_ZOOM_SPEED_6	spped 6
<model>_LENS_ZOOM_SPEED_7	spped 7
<model>_LENS_ZOOM_SPEED_8	spped 8 (fastest)

Remarks

This function can be used in State S3.

See Also

MODEL DEPENDENT API

SetZoomSpeed, GetZoomSpeed

**4.2.3.2. SetZoomSpeed****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA 55
				✓					✓	✓	✓											✓

**Description**

Sets the zoom speed selection.

**Syntax**

```
APIENTRY XSDK_SetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSpeed
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Parameters**

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_SetZoomSpeed
lAPIParam	(IN)	<model>_API_PARAM_SetZoomSpeed
lSpeed	(IN)	

<model>_LENS_ZOOM_SPEED_1	speed 1 (slowest)
<model>_LENS_ZOOM_SPEED_2	spped 2
<model>_LENS_ZOOM_SPEED_3	spped 3
<model>_LENS_ZOOM_SPEED_4	spped 4
<model>_LENS_ZOOM_SPEED_5	spped 5
<model>_LENS_ZOOM_SPEED_6	spped 6
<model>_LENS_ZOOM_SPEED_7	spped 7
<model>_LENS_ZOOM_SPEED_8	spped 8 (fastest)

**Remarks**

This function can be used in State S3.

**See Also**

CapZoomSpeed, GetZoomSpeed

4.2.3.3. GetZoomSpeed

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓					✓	✓	✓											✓

Description

Gets the current zoom speed selection.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSpeed
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetZoomSpeed	
lAPIParam	(IN)	<model>_API_PARAM_SetZoomSpeed	
plSpeed	(OUT)		
		<model>_LENS_ZOOM_SPEED_1	speed 1 (slowest)
		<model>_LENS_ZOOM_SPEED_2	spped 2
		<model>_LENS_ZOOM_SPEED_3	spped 3
		<model>_LENS_ZOOM_SPEED_4	spped 4
		<model>_LENS_ZOOM_SPEED_5	spped 5
		<model>_LENS_ZOOM_SPEED_6	spped 6
		<model>_LENS_ZOOM_SPEED_7	spped 7
		<model>_LENS_ZOOM_SPEED_8	spped 8 (fastest)

Remarks

This function can be used in State S3.

See Also

CapZoomSpeed, SetZoomSpeed

MODEL DEPENDENT API

**4.2.3.4. CapZoomOperation****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓					✓	✓	✓											✓

**Description**

Queries available zoom operations.

**Syntax**

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting,
    long* plNumSpeed,
    long* plSpeed
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Parameters**

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapZoomOperation
lAPIParam	(IN)	<model>_API_PARAM_CapZoomOperation
plNum	(OUT)	Returns the number of “SetZoomOperation” settings supported setting.
plSetting	(OUT)	

<model>_ZOOM_OPERATION_START	start
<model>_ZOOM_OPERATION_STOP	stop

plNumSpeed	(OUT)	Returns the number of “SetZoomOperation” settings supported speed.
plSpeed	(OUT)	

<model>_LENS_ZOOM_SPEED_1	speed 1 (slowest)
<model>_LENS_ZOOM_SPEED_2	spped 2
<model>_LENS_ZOOM_SPEED_3	spped 3
<model>_LENS_ZOOM_SPEED_4	spped 4
<model>_LENS_ZOOM_SPEED_5	spped 5

<model>_LENS_ZOOM_SPEED_6	spped 6
<model>_LENS_ZOOM_SPEED_7	spped 7
<model>_LENS_ZOOM_SPEED_8	spped 8 (fastest)

Remarks

This function can be used in State S3.

See Also

SetZoomOperation

MODEL DEPENDENT API

## 4.2.3.5. SetZoomOperation

## Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA 5S
				✓					✓	✓	✓												✓

## Description

Triggers the zoom operation.

## Syntax

```
APIENTRY XSDK_SetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting,
    long lDirection,
    long lSpeed
);
```

## Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

## Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetZoomOperation

lAPIParam (IN) <model>\_API\_PARAM\_SetZoomOperation

lSetting (IN)

<model>_ZOOM_OPERATION_START	start
<model>_ZOOM_OPERATION_STOP	stop

lDirection (IN)

<model>_ZOOM_DIRECTION_WIDE	wide
<model>_ZOOM_DIRECTION_TELE	tele

lSpeed (IN)

<model>_LENS_ZOOM_SPEED_1	speed 1 (slowest)
<model>_LENS_ZOOM_SPEED_2	spped 2
<model>_LENS_ZOOM_SPEED_3	spped 3
<model>_LENS_ZOOM_SPEED_4	spped 4
<model>_LENS_ZOOM_SPEED_5	spped 5

<model>_LENS_ZOOM_SPEED_6	spped 6
<model>_LENS_ZOOM_SPEED_7	spped 7
<model>_LENS_ZOOM_SPEED_8	spped 8 (fastest)

Remarks

This function can be used in State S3.

See Also

CapZoomOperation

MODEL DEPENDENT API

4.2.4. Exposure Control

4.2.4.1. CapInterlockAEAFArea

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
				✓				✓	✓	✓	✓									✓	✓	✓	✓

Description

Queries supported modes for INTERLOCK AE SPOT AND AF POSITION.

Syntax

```
APIENTRY XSDK_CapProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plNum,  
    long* plInterlockMode  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapInterlockAEAFArea
lAPIParam	(IN)	<model>_API_PARAM_CapInterlockAEAFArea
plNum	(OUT)	Returns the number of “SetInterlockAEAFArea” settings supported.
plInterlockMode	(OUT)	See lInterlockMode of “SetInterlockAEAFArea”.

Remarks

This function can be used in State S3.

See Also

SetInterlockAEAFArea

MODEL DEPENDENT API

4.2.4.2. SetInterlockAEAFArea

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

Description

Sets the INTERLOCK AE SPOT AND AF POSITION mode.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lInterlockMode  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetInterlockAEAFArea	
lAPIParam	(IN)	<model>_API_PARAM_SetInterlockAEAFArea	
lInterlockMode	(IN)		
		<model>_ON	ON
		<model>_OFF	OFF

Remarks

This function can be used in State S3.

See Also

GetInterlockAEAFArea

4.2.4.3. GetInterlockAEAFArea

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

Description

Gets the INTERLOCK AE SPOT AND AF POSITION mode.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plInterlockMode
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetInterlockAEAFArea
lAPIParam	(IN)	<model>_API_PARAM_GetInterlockAEAFArea
plInterlockMode	(OUT)	See lInterlockMode of “SetInterlockAEAFArea”.

Remarks

This function can be used in State S3.

See Also

SetInterlockAEAFArea

4.2.4.4. CapHighFrequencyFlickerlessMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	

Description

Queries supported modes for FLICKERLESS S.S. SETTING.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plMode
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapHighFrequencyFlickerlessMode
lAPIParam	(IN)	<model>_API_PARAM_CapHighFrequencyFlickerlessMode
plNum	(OUT)	Returns the number of “SetHighFrequencyFlickerlessMode” settings supported.
plMode	(OUT)	See lMode of “SetHighFrequencyFlickerlessMode”.

Remarks

This function can be used in State S3.

See Also

SetHighFrequencyFlickerlessMode

4.2.4.5. SetHighFrequencyFlickerlessMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	

Description

Sets the FLICKERLESS S.S. SETTING.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lMode  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetHighFrequencyFlickerlessMode	
lAPIParam	(IN)	<model>_API_PARAM_SetHighFrequencyFlickerlessMode	
lMode	(IN)		
		<model>_ON	ON
		<model>_OFF	OFF

Remarks

This function can be used in State S3.

See Also

GetHighFrequencyFlickerlessMode

4.2.4.6. GetHighFrequencyFlickerlessMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	

Description

Gets the FLICKERLESS S.S. SETTING.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plMode  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetHighFrequencyFlickerlessMode
lAPIParam	(IN)	<model>_API_PARAM_GetHighFrequencyFlickerlessMode
plMode	(OUT)	See lMode of “SetHighFrequencyFlickerlessMode”.

Remarks

This function can be used in State S3.

See Also

SetHighFrequencyFlickerlessMode

4.2.5. Image Size / Quality

4.2.5.1. CapImageSize

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
				✓				✓	✓	✓	✓									✓	✓	✓	

Description

Queries supported IMAGE SIZE settings.

Syntax

```
APIENTRY XSDK_CapProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plNum,  
    long* plImageSize  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapImageSize
lAPIParam	(IN)	<model>_API_PARAM_CapImageSize
plNum	(OUT)	Returns the number of “SetImageSize” settings supported.
plImageSize	(OUT)	See lImageSize of “SetImageSize”.

Remarks

This function can be used in State S3.

See Also

SetImageSize

MODEL DEPENDENT API

**4.2.5.2. SetImageSize****Supported Cameras**

	X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
	✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

**Description**

Sets the IMAGE SIZE setting.

**Syntax**

```
APIENTRY XSDK_SetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lImageSize
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS

XSDK\_ERROR : ERROR

**Parameters**

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetImageSize

lAPIParam (IN) <model>\_API\_PARAM\_SetImageSize

lImageSize (IN) **[X-H2/X-T5]**

<model>_IMAGE_SIZE_S_3_2	S 3:2
<model>_IMAGE_SIZE_S_16_9	S 16:9
<model>_IMAGE_SIZE_S_1_1	S 1:1
<model>_IMAGE_SIZE_S_4_3	S 4:3
<model>_IMAGE_SIZE_S_5_4	S 5:4
<model>_IMAGE_SIZE_M_3_2	M 3:2
<model>_IMAGE_SIZE_M_16_9	M 16:9
<model>_IMAGE_SIZE_M_1_1	M 1:1
<model>_IMAGE_SIZE_M_4_3	M 4:3
<model>_IMAGE_SIZE_M_5_4	M 5:4
<model>_IMAGE_SIZE_L_3_2	L 3:2
<model>_IMAGE_SIZE_L_16_9	L 16:9
<model>_IMAGE_SIZE_L_1_1	L 1:1
<model>_IMAGE_SIZE_L_4_3	L 4:3

<model>_IMAGESIZE_L_5_4	L 5:4
-------------------------	-------

**[GFX50S/GFX 50R]**

<model>_IMAGESIZE_S_3_2	S 3:2
<model>_IMAGESIZE_S_16_9	S 16:9
<model>_IMAGESIZE_S_1_1	S 1:1
<model>_IMAGESIZE_S_4_3	S 4:3
<model>_IMAGESIZE_S_65_24	S 65:24
<model>_IMAGESIZE_S_5_4	S 5:4
<model>_IMAGESIZE_S_7_6	S 7:6
<model>_IMAGESIZE_L_3_2	L 3:2
<model>_IMAGESIZE_L_16_9	L 16:9
<model>_IMAGESIZE_L_1_1	L 1:1
<model>_IMAGESIZE_L_4_3	L 4:3
<model>_IMAGESIZE_L_65_24	L 65:24
<model>_IMAGESIZE_L_5_4	L 5:4
<model>_IMAGESIZE_L_7_6	L 7:6

**[GFX100/GFX100S/GFX100 II/GFX100S II]**

<model>_IMAGESIZE_S_3_2	S 3:2
<model>_IMAGESIZE_S_16_9	S 16:9
<model>_IMAGESIZE_S_1_1	S 1:1
<model>_IMAGESIZE_S_4_3	S 4:3
<model>_IMAGESIZE_S_65_24	S 65:24
<model>_IMAGESIZE_S_5_4	S 5:4
<model>_IMAGESIZE_S_7_6	S 7:6
<model>_IMAGESIZE_M_3_2	M 3:2
<model>_IMAGESIZE_M_16_9	M 16:9
<model>_IMAGESIZE_M_1_1	M 1:1
<model>_IMAGESIZE_M_4_3	M 4:3
<model>_IMAGESIZE_M_65_24	M 65:24
<model>_IMAGESIZE_M_5_4	M 5:4
<model>_IMAGESIZE_M_7_6	M 7:6
<model>_IMAGESIZE_L_3_2	L 3:2
<model>_IMAGESIZE_L_16_9	L 16:9
<model>_IMAGESIZE_L_1_1	L 1:1
<model>_IMAGESIZE_L_4_3	L 4:3
<model>_IMAGESIZE_L_65_24	L 65:24
<model>_IMAGESIZE_L_5_4	L 5:4

<model>_IMAGESIZE_L_7_6	L 7:6
-------------------------	-------

**[Other models]**

<model>_IMAGESIZE_S_3_2	1	S 3:2
<model>_IMAGESIZE_S_16_9	2	S 16:9
<model>_IMAGESIZE_S_1_1	3	S 1:1
<model>_IMAGESIZE_M_3_2	4	M 3:2
<model>_IMAGESIZE_M_16_9	5	M 16:9
<model>_IMAGESIZE_M_1_1	6	M 1:1
<model>_IMAGESIZE_L_3_2	7	L 3:2
<model>_IMAGESIZE_L_16_9	8	L 16:9
<model>_IMAGESIZE_L_1_1	9	L 1:1

**[GFX100RF]**

<model>_IMAGESIZE_S_3_2	S 3:2
<model>_IMAGESIZE_S_16_9	S 16:9
<model>_IMAGESIZE_S_1_1	S 1:1
<model>_IMAGESIZE_S_4_3	S 4:3
<model>_IMAGESIZE_S_65_24	S 65:24
<model>_IMAGESIZE_S_5_4	S 5:4
<model>_IMAGESIZE_S_7_6	S 7:6
<model>_IMAGESIZE_S_3_4	S 3:4
<model>_IMAGESIZE_S_17_6	S 17:6
<model>_IMAGESIZE_M_3_2	M 3:2
<model>_IMAGESIZE_M_16_9	M 16:9
<model>_IMAGESIZE_M_1_1	M 1:1
<model>_IMAGESIZE_M_4_3	M 4:3
<model>_IMAGESIZE_M_65_24	M 65:24
<model>_IMAGESIZE_M_5_4	M 5:4
<model>_IMAGESIZE_M_7_6	M 7:6
<model>_IMAGESIZE_M_3_4	S 3:4
<model>_IMAGESIZE_M_17_6	S 17:6
<model>_IMAGESIZE_L_3_2	L 3:2
<model>_IMAGESIZE_L_16_9	L 16:9
<model>_IMAGESIZE_L_1_1	L 1:1
<model>_IMAGESIZE_L_4_3	L 4:3
<model>_IMAGESIZE_L_65_24	L 65:24
<model>_IMAGESIZE_L_5_4	L 5:4
<model>_IMAGESIZE_L_7_6	L 7:6

<model>_IMAGE_SIZE_L_3_4	S 3:4
<model>_IMAGE_SIZE_L_17_6	S 17:6

**Remarks**

This function can be used in State S3.

**See Also**

GetImageSize

4.2.5.3. GetImageSize

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Gets the IMAGE SIZE setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plImageSize  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetImageSize
lAPIParam	(IN)	<model>_API_PARAM_GetImageSize
plImageSize	(OUT)	See lImageSize of “SetImageSize”.

Remarks

This function can be used in State S3.

See Also

SetImageSize

4.2.5.4. CapImageQuality

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	

Description

Queries supported IMAGE QUALITY settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plImageQuality
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapImageQuality
lAPIParam	(IN)	<model>_API_PARAM_CapImageQuality
plNum	(OUT)	Returns the number of “SetImageQuality” settings supported.
plImageQuality	(OUT)	See lImageQuality of “SetImageQuality”.

Remarks

This function can be used in State S3.

See Also

SetImageQuality

**4.2.5.5. SetImageQuality****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

**Description**

Sets the IMAGE QUALITY setting.

**Syntax**

```
APIENTRY XSDK_SetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lImageQuality
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS

XSDK\_ERROR : ERROR

**Parameters**

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetImageQuality

lAPIParam (IN) <model>\_API\_PARAM\_SetImageQuality

lImageQuality (IN)

**[GFX 50S/GFX 50R/GFX 100/GFX100S/GFX100II/GFX100SII]**

GFX50S_IMAGEQUALITY_RAW	RAW
GFX50S_IMAGEQUALITY_SUPERFINE	SUPERFINE
GFX50S_IMAGEQUALITY_FINE	FINE
GFX50S_IMAGEQUALITY_NORMAL	NORMAL
GFX50S_IMAGEQUALITY_RAW_SUPERFINE	RAW+SUPERFINE
GFX50S_IMAGEQUALITY_RAW_FINE	RAW+FINE
GFX50S_IMAGEQUALITY_RAW_NORMAL	RAW+NORMAL

**[Other models]**

<model>_IMAGEQUALITY_RAW	RAW
<model>_IMAGEQUALITY_FINE	FINE
<model>_IMAGEQUALITY_NORMAL	NORMAL
<model>_IMAGEQUALITY_RAW_FINE	RAW+FINE

<model>_IMAGEQUALITY_RAW_NORMAL	RAW+NORMAL
---------------------------------	------------

**Remarks**

This function can be used in State S3.

**See Also**

GetImageQuality

MODEL DEPENDENT API

4.2.5.6. GetImageQuality

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Gets the IMAGE QUALITY setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plImageQuality  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetImageQuality
lAPIParam	(IN)	<model>_API_PARAM_GetImageQuality
plImageQuality	(OUT)	See lImageQuality of “SetImageQuality”.

Remarks

This function can be used in State S3.

See Also

SetImageQuality

MODEL DEPENDENT API

4.2.5.7. CapRAWCompression

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	

Description

Queries supported RAW COMPRESSION/RAW RECORDING TYPE settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plRAWCompression
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapRAWCompression
lAPIParam	(IN)	<model>_API_PARAM_CapRAWCompression
plNum	(OUT)	Returns the number of “SetRAWCompression” settings supported.
plRAWCompression	(OUT)	See lRAWCompression of “SetRAWCompression”.

Remarks

This function can be used in State S3.

See Also

SetRAWCompression

MODEL DEPENDENT API

4.2.5.8. SetRAWCompression

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Sets the RAW COMPRESSION / RAW RECORDING TYPE setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lRAWCompression  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetRAWCompression	
lAPIParam	(IN)	<model>_API_PARAM_SetRAWCompression	
lRAWCompression	(IN)		
		<model>_RAW_COMPRESSION_OFF	UNCOMPRESSED
		<model>_RAW_COMPRESSION_LOSSLESS	LOSSLESS COMPRESSED
		<model>_RAW_COMPRESSION_LOSSY	COMPRESSED (LOSSY COMPRESSED)

The values supported vary with the camera model and firmware version.

Remarks

This function can be used in State S3.

See Also

GetRAWCompression

MODEL DEPENDENT API

4.2.5.9. GetRAWCompression

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Gets the RAW COMPRESSION / RAW RECORDING TYPE setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plRAWCompression  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetRAWCompression
lAPIParam	(IN)	<model>_API_PARAM_GetRAWCompression
plRAWCompression	(OUT)	See lRAWCompression of “SetRAWCompression”.

Remarks

This function can be used in State S3.

See Also

SetRAWCompression

4.2.5.10. CapRAWOutputDepth

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																	✓		✓	✓	✓	✓

Description

Queries supported RAW RECORDING OUTPUT DEPTH settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plOutputDepth
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapRAWOutputDepth
lAPIParam	(IN)	<model>_API_PARAM_CapRAWOutputDepth
plNum	(OUT)	Returns the number of “SetRAWOutputDepth” settings supported.
plRAWCompression	(OUT)	See lRAWCompression of “RAWOutputDepth”.

Remarks

This function can be used in State S3.

See Also

SetRAWOutputDepth

MODEL DEPENDENT API

4.2.5.11. SetRAWOutputDepth

Supported Cameras

		X-T3	X-T4			X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA 55
																	✓	✓	✓	✓	✓	✓	

Description

Sets the RAW RECORDING OUTPUT DEPTH setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lRAWDepth  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_SetRAWOutputDepth
lAPIParam	(IN)	<model>_API_PARAM_SetRAWOutputDepth
lRAWDepth	(IN)	

<model>_RAW_OUTPUTDEPTH_14BIT	14 bit
<model>_RAW_OUTPUTDEPTH_16BIT	16 bit

Remarks

This function can be used in State S3.

See Also

GetRAWOutputDepth

4.2.5.12. GetRAWOutputDepth

Supported Cameras

		X-T3	X-T4			X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																✓	✓	✓	✓	✓	✓	

Description

Gets the RAW RECORDING OUTPUT DEPTH setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plRAWDepth  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetRAWOutputDepth
lAPIParam	(IN)	<model>_API_PARAM_GetRAWOutputDepth
plRAWDepth	(OUT)	See lRAWDepth of “SetRAWOutputDepth”.

Remarks

This function can be used in State S3.

See Also

SetRAWOutputDepth

MODEL DEPENDENT API

## 4.2.6. White Balance

### 4.2.6.1. CapWhiteBalanceTune

#### Supported Cameras

	X-T3	X-T4	X-T5	X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA 5S
			✓			✓	✓	✓	✓								✓	✓	✓	

#### Description

Queries supported WHITE BALANCE SHIFT settings.

#### Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lWBMode,
    long* plTuneR_Min,
    long* plTuneB_Min,
    long* plTuneR_Max,
    long* plTuneB_Max
);
```

#### Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

#### Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_CapWhiteBalanceTune

lAPIParam (IN) <model>\_API\_PARAM\_CapWhiteBalanceTune

lWBMode (IN)

<model>_WB_AUTO	AUTO
<model>_WB_AUTO_WHITE_PRIORITY	AUTO (WHITE PRIORITY)
<model>_WB_AUTO_AMBIENCE_PRIORITY	AUTO (AMBIENCE PRIORITY)
<model>_WB_DAYLIGHT	DAYLIGHT / FINE
<model>_WB_INCANDESCENT	INCANDESCENT
<model>_WB_UNDER_WATER	UNDERWATER
<model>_WB_FLUORESCENT1	FLUORESCENT-1
<model>_WB_FLUORESCENT2	FLUORESCENT-2
<model>_WB_FLUORESCENT3	FLUORESCENT-3

<model>_WB_SHADE	SHADE
<model>_WB_COLORTMP	COLOR TEMPERATURE
<model>_WB_CUSTOM1	CUSTOM1
<model>_WB_CUSTOM2	CUSTOM2
<model>_WB_CUSTOM3	CUSTOM3
<model>_WB_CUSTOM4	CUSTOM4
<model>_WB_CUSTOM5	CUSTOM5

---

plTuneR_Min	(OUT)	See lTuneR of SetWhiteBalanceTune.
-------------	-------	------------------------------------

---

plTuneB_Min	(OUT)	See lTuneB of SetWhiteBalanceTune.
-------------	-------	------------------------------------

---

plTuneR_Max	(OUT)	See lTuneR of SetWhiteBalanceTune.
-------------	-------	------------------------------------

---

plTuneB_Max	(OUT)	See lTuneB of SetWhiteBalanceTune.
-------------	-------	------------------------------------

---

**Note**

Using this function to change the white balance mode setting temporary inside the SDK. It can be shown LCD/EVF in a moment.

**Remarks**

This function can be used in State S3.

**See Also**

SetWhiteBalanceTune

4.2.6.2. SetWhiteBalanceTune

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Sets the WHITE BALANCE SHIFT settings.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lWBMode,  
    long lTuneR,  
    long lTuneB  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.						
lAPICode	(IN)	<model>_API_CODE_SetWhiteBalanceTune						
lAPIParam		<model>_API_PARAM_SetWhiteBalanceTune						
lWBMode	(IN)	<p>Specifies the white balance mode to be fine-tuned.</p> <p>When the white balance mode is set to color temperature, the selected value applies to all color temperatures.</p> <p>See lWBMode of SetWhiteBalanceMode or XSDK_SetWBMode.</p>						
lTuneR	(IN)	<p>Specify a red-cyan tuning value.</p> <table border="1"><tr><td>&lt;model&gt;_WB_R_SHIFT_MIN</td><td>Minimum red-tuning value</td></tr><tr><td>&lt;model&gt;_WB_R_SHIFT_MAX</td><td>Maximum red-tuning value.</td></tr><tr><td>&lt;model&gt;_WB_R_SHIFT_STEP</td><td>Tuning increment for red-tuning value.</td></tr></table> <p>(Cyan) -9 / -8 / -7 / -6 / -5 / -4 / -3 / -2 / -1 / 0 / 1 / 2 / 3 / 4 / 5 / 6 / 7 / 8 / 9 (Red)</p>	<model>_WB_R_SHIFT_MIN	Minimum red-tuning value	<model>_WB_R_SHIFT_MAX	Maximum red-tuning value.	<model>_WB_R_SHIFT_STEP	Tuning increment for red-tuning value.
<model>_WB_R_SHIFT_MIN	Minimum red-tuning value							
<model>_WB_R_SHIFT_MAX	Maximum red-tuning value.							
<model>_WB_R_SHIFT_STEP	Tuning increment for red-tuning value.							
lTuneB	(IN)	<p>Specify a red-cyan tuning value.</p> <table border="1"><tr><td>&lt;model&gt;_WB_B_SHIFT_MIN</td><td>Minimum blue-tuning value</td></tr><tr><td>&lt;model&gt;_WB_B_SHIFT_MAX</td><td>Maximum blue-tuning value.</td></tr></table>	<model>_WB_B_SHIFT_MIN	Minimum blue-tuning value	<model>_WB_B_SHIFT_MAX	Maximum blue-tuning value.		
<model>_WB_B_SHIFT_MIN	Minimum blue-tuning value							
<model>_WB_B_SHIFT_MAX	Maximum blue-tuning value.							

MODEL DEPENDENT API

<model>_WB_B_SHIFT_STEP	Tuning increment for blue-tuning value.
(Yellow) -9 / -8 / -7 / -6 / -5 / -4 / -3 / -2 / -1 / 0 / 1 / 2 / 3 / 4 / 5 / 6 / 7 / 8 / 9 (Blue)	

**Note**

Setting the values takes a few seconds.

**Remarks**

This function can be used in State S3.

**See Also**

GetWhiteBalanceTune

4.2.6.3. GetWhiteBalanceTune

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Gets the WHITE BALANCE SHIFT settings.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lWBMode,
    long* plTuneR,
    long* plTuneB
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetWhiteBalanceTune
lAPIParam		<model>_API_PARAM_GetWhiteBalanceTune
lWBMode	(IN)	When the white balance is set to color temperature, the fine-tuning applies at all color temperatures. See lWBMode of SetWhiteBalanceTune.
plTuneR	(OUT)	See lTuneR of SetWhiteBalanceTune.
plTuneB	(OUT)	See lTuneB of SetWhiteBalanceTune.

Note

Using this function to change the white balance mode setting temporary inside the SDK. It can be shown LCD/EVF in a moment.

Remarks

This function can be used in State S3.

See Also

SetWhiteBalanceTune

MODEL DEPENDENT API

## 4.2.7. Film Simulation

## 4.2.7.1. CapFilmSimulationMode

## Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA 55
				✓				✓	✓	✓	✓								✓	✓	✓	

## Description

Queries supported FILM SIMULATION settings.

## Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plFilmSimulation
);
```

## Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

## Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapFilmSimulationMode
lAPIParam	(IN)	<model>_API_PARAM_CapFilmSimulationMode
plNum	(OUT)	Returns the number of “SetFilmSimulationMode” settings supported.
plFilmSimulation	(OUT)	The film simulation mode.

<model>_FILMSIMULATION_PROVIA	1	PROVIA/STANDARD
<model>_FILMSIMULATION_VELVIA	2	Velvia/VIVID
<model>_FILMSIMULATION_ASTIA	3	Astia/SOFT
<model>_FILMSIMULATION_CLASSICCHROME	11	CLASSIC CHROME
<model>_FILMSIMULATION_REALAACE	20	REALA ACE
<model>_FILMSIMULATION_NEGHI	4	PRO Neg. Hi
<model>_FILMSIMULATION_NEGSTD	5	PRO Neg. Std
<model>_FILMSIMULATION_CLASSICNEG	17	CLASSIC Neg.
<model>_FILMSIMULATION_NOSTALGICNEG	19	NOSTALGIC Neg.
<model>_FILMSIMULATION_ETERNA	16	ETERNA/CINEMA
<model>_FILMSIMULATION_BLEACH_BYPASS	18	ETERNA BLEACH BYPASS

<model>_FILMSIMULATION_ACROS	12	ACROS
<model>_FILMSIMULATION_ACROS_Y	13	ACROS+Y Filter
<model>_FILMSIMULATION_ACROS_R	14	ACROS+R Filter
<model>_FILMSIMULATION_ACROS_G	15	ACROS+G Filter
<model>_FILMSIMULATION_MONOCHRO	6	B/W
<model>_FILMSIMULATION_MONOCHRO_Y	7	Monochrome+Y Filter
<model>_FILMSIMULATION_MONOCHRO_R	8	Monochrome+R Filter
<model>_FILMSIMULATION_MONOCHRO_G	9	Monochrome+G Filter
<model>_FILMSIMULATION_SEPIA	10	Sepia

The values supported vary with the camera model and firmware version.

**Remarks**

This function can be used in State S3.

**See Also**

SetFilmSimulationMode

## 4.2.7.2. SetFilmSimulationMode

## Supported Cameras

	X-T3	X-T4	X-T5	X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5		GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA 55
	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	

## Description

Sets the FILM SIMULATION setting.

## Syntax

```
APIENTRY XSDK_SetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lFilmSimulation
);
```

## Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

## Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetFilmSimulationMode

lAPIParam (IN) <model>\_API\_PARAM\_SetFilmSimulationMode

lFilmSimulation (IN) The film simulation mode.

<model>_FILMSIMULATION_PROVIA	1	PROVIA/STANDARD
<model>_FILMSIMULATION_VELVIA	2	Velvia/VIVID
<model>_FILMSIMULATION_ASTIA	3	Astia/SOFT
<model>_FILMSIMULATION_CLASSICCHROME	11	CLASSIC CHROME
<model>_FILMSIMULATION_REALAACE	20	REALA ACE
<model>_FILMSIMULATION_NEGHI	4	PRO Neg. Hi
<model>_FILMSIMULATION_NEGSTD	5	PRO Neg. Std
<model>_FILMSIMULATION_CLASSICNEG	17	CLASSIC Neg.
<model>_FILMSIMULATION_NOSTALGICNEG	19	NOSTALGIC Neg.
<model>_FILMSIMULATION_ETERNA	16	ETERNA/CINEMA
<model>_FILMSIMULATION_BLEACH_BYPASS	18	ETERNA BLEACH BYPASS
<model>_FILMSIMULATION_ACROS	12	ACROS
<model>_FILMSIMULATION_ACROS_Y	13	ACROS+Y Filter

<model>_FILMSIMULATION_ACROS_R	14	ACROS+R Filter
<model>_FILMSIMULATION_ACROS_G	15	ACROS+G Filter
<model>_FILMSIMULATION_MONOCHRO	6	B/W
<model>_FILMSIMULATION_MONOCHRO_Y	7	Monochrome+Y Filter
<model>_FILMSIMULATION_MONOCHRO_R	8	Monochrome+R Filter
<model>_FILMSIMULATION_MONOCHRO_G	9	Monochrome+G Filter
<model>_FILMSIMULATION_SEPIA	10	Sepia

The values supported vary with the camera model and firmware version.

#### Remarks

This function can be used in State S3.

#### See Also

GetFilmSimulationMode

4.2.7.3. GetFilmSimulationMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Gets the FILM SIMULATION setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plFilmSimulation  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetFilmSimulationMode
lAPIParam	(IN)	<model>_API_PARAM_GetFilmSimulationMode
plFilmSimulation	(OUT)	The film simulation mode. See IFilmSimulation of “SetFilmSimulationMode”.

Remarks

This function can be used in State S3.

See Also

SetFilmSimulationMode

4.2.7.4. CapGrainEffect

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	

Description

Queries supported GRAIN EFFECT settings.

Syntax

```
APIENTRY XSDK_CapProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plNum,  
    long* plEffect  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapGrainEffect
lAPIParam	(IN)	<model>_API_PARAM_CapGrainEffect
plNum	(OUT)	Returns the number of “SetGrainEffect” settings supported.
plEffect	(OUT)	See lEffect of “SetGrainEffect”.

Remarks

This function can be used in State S3.

See Also

SetGrainEffect

4.2.7.5. SetGrainEffect

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Sets the GRAIN EFFECT setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lEffect  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_SetGrainEffect
lAPIParam	(IN)	<model>_API_PARAM_SetGrainEffect
lEffect	(IN)	The GRAIN EFFECT mode.

< X-T3, GFX 50S, GFX 50R, and GFX 100 Ver.1.x>

<model>_GRAIN_EFFECT_OFF	OFF
<model>_GRAIN_EFFECT_P1	WEAK
<model>_GRAIN_EFFECT_WEAK	
<model>_GRAIN_EFFECT_P2	STRONG
<model>_GRAIN_EFFECT_STRONG	

< Other models >

<model>_GRAIN_EFFECT_OFF_SMALL	OFF / SMALL
<model>_GRAIN_EFFECT_WEAK_SMALL	WEAK / SMALL
<model>_GRAIN_EFFECT_STRONG_SMALL	STRONG / SMALL
<model>_GRAIN_EFFECT_OFF_LARGE	OFF / LARGE
<model>_GRAIN_EFFECT_WEAK_LARGE	WEAK / LARGE
<model>_GRAIN_EFFECT_STRONG_LARGE	STRONG / LARGE

MODEL DEPENDENT API

**Remarks**

This function can be used in State S3.

**See Also**

GetGrainEffect

4.2.7.6. GetGrainEffect

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Gets the GRAIN EFFECT setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* pEffect  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetGrainEffect
lAPIParam	(IN)	<model>_API_PARAM_GetGrainEffect
pEffect	(OUT)	See lEffect of “SetGrainEffect”.

Remarks

This function can be used in State S3.

See Also

SetGrainEffect

4.2.7.7. CapMonochromaticColor

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	

Description

Queries supported MONOCHROMATIC COLOR settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plWarmCoolNum,
    long* plMagentaGreenNum,
    long* plWarmCool,
    long* plMagentaGreen
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapMonochromaticColor
lAPIParam	(IN)	<model>_API_PARAM_CapMonochromaticColor
plWarmCoolNum	(OUT)	Returns the number of The MONOCHROMATIC COLOR settings for WARM-COOL axis
plRedGreenNum	(OUT)	Returns the number of The MONOCHROMATIC COLOR settings for MAGENTA-GREEN axis.
plWarmCool	(OUT)	See lWarmCool of “SetMonochromaticColor”.
plMagentaGreen	(OUT)	See lMagentaGreen of “SetMonochromaticColor”.

Remarks

This function can be used in State S3.

See Also

SetMonochromaticColor

Sample

```
long lAPICode = <model>_API_CODE_CapMonochromaticColor;
long lAPIParam = <model>_API_PARAM_CapMonochromaticColor;
```

---

```
long lWarmCoolNum;
long lMagentaGreenNum;
long* plWarmCool;
long* plMagentaGreen;
XSDK_CapProp( hCam, lAPICode, lAPIParam, &lWarmCoolNum, &lMagentaGreenNum, NULL, NULL );
plWarmCool = new long [lWarmCoolNum];
plMagentaGreen = new long [lMagentaGreenNum];
XSDK_CapProp( hCam, lAPICode, lAPIParam, &lWarmCoolNum, &lMagentaGreenNum,
plWarmCool, plMagentaGreen);

delete [] plWarmCool;
delete [] plMagentaGreen;
```

**4.2.7.8. SetMonochromaticColor****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA 55
			✓	✓		✓	✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓	

**Description**

Sets the MONOCHROMATIC COLOR settings.

**Syntax**

```
APIENTRY XSDK_SetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lWarmCool,
    long lMagentaGreen
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Parameters**

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetMonochromaticColor	
lAPIParam	(IN)	<model>_API_PARAM_SetMonochromaticColor	
lWarmCool	(IN)	The MONOCHROMATIC COLOR setting of WARM-COOL direction.	
		<model>_MONOCHROMATICCOLOR_WC_P180	+18 (Warm)
		<model>_MONOCHROMATICCOLOR_WC_P170	+17
		<model>_MONOCHROMATICCOLOR_WC_P160	+16
		<model>_MONOCHROMATICCOLOR_WC_P150	+15
		<model>_MONOCHROMATICCOLOR_WC_P140	+14
		<model>_MONOCHROMATICCOLOR_WC_P130	+13
		<model>_MONOCHROMATICCOLOR_WC_P120	+12
		<model>_MONOCHROMATICCOLOR_WC_P110	+11
		<model>_MONOCHROMATICCOLOR_WC_P100	+10
		<model>_MONOCHROMATICCOLOR_WC_P90	+9
		<model>_MONOCHROMATICCOLOR_WC_P80	+8
		<model>_MONOCHROMATICCOLOR_WC_P70	+7

<model>_MONOCHROMATICCOLOR_WC_P60	+6
<model>_MONOCHROMATICCOLOR_WC_P50	+5
<model>_MONOCHROMATICCOLOR_WC_P40	+4
<model>_MONOCHROMATICCOLOR_WC_P30	+3
<model>_MONOCHROMATICCOLOR_WC_P20	+2
<model>_MONOCHROMATICCOLOR_WC_P10	+1
<model>_MONOCHROMATICCOLOR_WC_0	0
<model>_MONOCHROMATICCOLOR_WC_M10	-1
<model>_MONOCHROMATICCOLOR_WC_M20	-2
<model>_MONOCHROMATICCOLOR_WC_M30	-3
<model>_MONOCHROMATICCOLOR_WC_M40	-4
<model>_MONOCHROMATICCOLOR_WC_M50	-5
<model>_MONOCHROMATICCOLOR_WC_M60	-6
<model>_MONOCHROMATICCOLOR_WC_M70	-7
<model>_MONOCHROMATICCOLOR_WC_M80	-8
<model>_MONOCHROMATICCOLOR_WC_M90	-9
<model>_MONOCHROMATICCOLOR_WC_M100	-10
<model>_MONOCHROMATICCOLOR_WC_M110	-11
<model>_MONOCHROMATICCOLOR_WC_M120	-12
<model>_MONOCHROMATICCOLOR_WC_M130	-13
<model>_MONOCHROMATICCOLOR_WC_M140	-14
<model>_MONOCHROMATICCOLOR_WC_M150	-15
<model>_MONOCHROMATICCOLOR_WC_M160	-16
<model>_MONOCHROMATICCOLOR_WC_M170	-17
<model>_MONOCHROMATICCOLOR_WC_M180	-18(Cool)

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IMagentaGreen (IN) The MONOCHROMATIC COLOR setting of MAGENTA-GREEN direction.

<model>_MONOCHROMATICCOLOR_RG_P180	+18(Green)
<model>_MONOCHROMATICCOLOR_RG_P170	+17
<model>_MONOCHROMATICCOLOR_RG_P160	+16
<model>_MONOCHROMATICCOLOR_RG_P150	+15
<model>_MONOCHROMATICCOLOR_RG_P140	+14
<model>_MONOCHROMATICCOLOR_RG_P130	+13
<model>_MONOCHROMATICCOLOR_RG_P120	+12
<model>_MONOCHROMATICCOLOR_RG_P110	+11
<model>_MONOCHROMATICCOLOR_RG_P100	+10
<model>_MONOCHROMATICCOLOR_RG_P90	+9
<model>_MONOCHROMATICCOLOR_RG_P80	+8

<model>_MONOCHROMATICCOLOR_RG_P70	+7
<model>_MONOCHROMATICCOLOR_RG_P60	+6
<model>_MONOCHROMATICCOLOR_RG_P50	+5
<model>_MONOCHROMATICCOLOR_RG_P40	+4
<model>_MONOCHROMATICCOLOR_RG_P30	+3
<model>_MONOCHROMATICCOLOR_RG_P20	+2
<model>_MONOCHROMATICCOLOR_RG_P10	+1
<model>_MONOCHROMATICCOLOR_RG_0	0
<model>_MONOCHROMATICCOLOR_RG_M10	-1
<model>_MONOCHROMATICCOLOR_RG_M20	-2
<model>_MONOCHROMATICCOLOR_RG_M30	-3
<model>_MONOCHROMATICCOLOR_RG_M40	-4
<model>_MONOCHROMATICCOLOR_RG_M50	-5
<model>_MONOCHROMATICCOLOR_RG_M60	-6
<model>_MONOCHROMATICCOLOR_RG_M70	-7
<model>_MONOCHROMATICCOLOR_RG_M80	-8
<model>_MONOCHROMATICCOLOR_RG_M90	-9
<model>_MONOCHROMATICCOLOR_RG_M100	-10
<model>_MONOCHROMATICCOLOR_RG_M110	-11
<model>_MONOCHROMATICCOLOR_RG_M120	-12
<model>_MONOCHROMATICCOLOR_RG_M130	-13
<model>_MONOCHROMATICCOLOR_RG_M140	-14
<model>_MONOCHROMATICCOLOR_RG_M150	-15
<model>_MONOCHROMATICCOLOR_RG_M160	-16
<model>_MONOCHROMATICCOLOR_RG_M170	-17
<model>_MONOCHROMATICCOLOR_RG_M180	-18(Magenta)

**Remarks**

This function can be used in State S3.

**See Also**

GetMonochromaticColor

4.2.7.9. GetMonochromaticColor

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
			✓	✓		✓	✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓	

Description

Gets the MONOCHROMATIC COLOR settings.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plWarmCool
    long* plMagentaGreen
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMonochromaticColor
lAPIParam	(IN)	<model>_API_PARAM_GetMonochromaticColor
plWarmCool	(OUT)	See lWarmCool of “SetMonochromaticColor”.
plMagentaGreen	(OUT)	See lMagentaGreen of “SetMonochromaticColor”.

Remarks

This function can be used in State S3.

See Also

SetMonochromaticColor

MODEL DEPENDENT API

4.2.8. Image Quality Control

4.2.8.1. CapSharpness

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA 55
				✓				✓	✓	✓	✓									✓	✓	✓	

Description

Queries supported SHARPNESS settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSharpness
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapSharpness
lAPIParam	(IN)	<model>_API_PARAM_CapSharpness
plNum	(OUT)	Returns the number of “SetSharpness” settings supported.
plSharpness	(OUT)	See lSharpness of “SetSharpness”.

Remarks

This function can be used in State S3.

See Also

SetSharpness

MODEL DEPENDENT API

4.2.8.2. SetSharpness

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Sets the SHARPNESS setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSharpness  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetSharpness	
lAPIParam	(IN)	<model>_API_PARAM_SetSharpness	
lSharpness	(IN)		
		<model>_SHARPNESS_P4	+4
		<model>_SHARPNESS_P3	+3
		<model>_SHARPNESS_P2	+2
		<model>_SHARPNESS_P1	+1
		<model>_SHARPNESS_0	0
		<model>_SHARPNESS_M1	-1
		<model>_SHARPNESS_M2	-2
		<model>_SHARPNESS_M3	-3
		<model>_SHARPNESS_M4	-4

Remarks

This function can be used in State S3.

See Also

MODEL DEPENDENT API

---

GetSharpness

MODEL DEPENDENT API

4.2.8.3. GetSharpness

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Gets the SHARPNESS setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plSharpness  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetSharpness
lAPIParam	(IN)	<model>_API_PARAM_GetSharpness
plSharpness	(OUT)	See lSharpness of “SetSharpness”.

Remarks

This function can be used in State S3.

See Also

SetSharpness

4.2.8.4. CapColorMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	

Description

Queries supported saturation (COLOR) settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plColorMode
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapColorMode
lAPIParam	(IN)	<model>_API_PARAM_CapColorMode
plNum	(OUT)	Returns the number of “SetColorMode” settings supported.
plColorMode	(OUT)	See lColorMode of “SetColorMode”.

Remarks

This function can be used in State S3.

See Also

SetColorMode

4.2.8.5. SetColorMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Sets the COLOR setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lColorMode  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetColorMode	
lAPIParam	(IN)	<model>_API_PARAM_SetColorMode	
lColorMode	(IN)		
		<model>_COLOR_P4	+4
		<model>_COLOR_P3	+3
		<model>_COLOR_P2	+2
		<model>_COLOR_P1	+1
		<model>_COLOR_0	0
		<model>_COLOR_M1	-1
		<model>_COLOR_M2	-2
		<model>_COLOR_M3	-3
		<model>_COLOR_M4	-4

Remarks

This function can be used in State S3.

See Also

---

GetColorMode

MODEL DEPENDENT API

4.2.8.6. GetColorMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Gets the COLOR setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plColorMode  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetColorMode
lAPIParam	(IN)	<model>_API_PARAM_GetColorMode
plColorMode	(OUT)	See lColorMode of “SetColorMode”.

Remarks

This function can be used in State S3.

See Also

SetColorMode

4.2.8.7. CapHighLightTone

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	

Description

Queries supported HIGHLIGHT TONE settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plTone
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapHighLightTone
lAPIParam	(IN)	<model>_API_PARAM_CapHighLightTone
plNum	(OUT)	Returns the number of “SetHighlightTone” settings supported.
plTone	(OUT)	See lTone of “SetHighLightTone”

Remarks

This function can be used in State S3.

See Also

SetHighLightTone

MODEL DEPENDENT API

4.2.8.8. SetHighLightTone

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Sets the HIGHLIGHT TONE setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lTone  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_SetHighLightTone
lAPIParam	(IN)	<model>_API_PARAM_SetHighLightTone
lTone	(IN)	

<model>_HIGHLIGHT_TONE_P4	+4
<model>_HIGHLIGHT_TONE_P3_5 *	+3.5
<model>_HIGHLIGHT_TONE_P3	+3
<model>_HIGHLIGHT_TONE_P2_5 *	+2.5
<model>_HIGHLIGHT_TONE_P2	+2
<model>_HIGHLIGHT_TONE_P1_5 *	+1.5
<model>_HIGHLIGHT_TONE_P1	+1
<model>_HIGHLIGHT_TONE_P0_5 *	+0.5
<model>_HIGHLIGHT_TONE_0	0
<model>_HIGHLIGHT_TONE_M0_5 *	-0.5
<model>_HIGHLIGHT_TONE_M1	-1
<model>_HIGHLIGHT_TONE_M1_5 *	-1.5
<model>_HIGHLIGHT_TONE_M2	-2

\* Some models do not support these settings

MODEL DEPENDENT API

**Remarks**

This function can be used in State S3.

**See Also**

GetHighLightTone

4.2.8.9. GetHighLightTone

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Gets the HIGHLIGHT TONE setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plTone  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetHighLightTone
lAPIParam	(IN)	<model>_API_PARAM_GetHighLightTone
plTone	(OUT)	See lTone of “SetHighLightTone”.

Remarks

This function can be used in State S3.

See Also

SetHighLightTone

4.2.8.10. CapShadowTone

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	

Description

Queries supported SHADOW TONE settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plTone
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapShadowTone
lAPIParam	(IN)	<model>_API_PARAM_CapShadowTone
plNum	(OUT)	Returns the number of “SetShadowTone” settings supported.
plTone	(OUT)	See lTone of “SetShadowTone”.

Remarks

This function can be used in State S3.

See Also

SetShadowTone

MODEL DEPENDENT API

4.2.8.11. SetShadowTone

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Sets the SHADOW TONE setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lTone  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_SetShadowTone
lAPIParam	(IN)	<model>_API_PARAM_SetShadowTone
lTone	(IN)	

<model>_SHADOW_TONE_P4	+4
<model>_SHADOW_TONE_P3_5 *	+3.5
<model>_SHADOW_TONE_P3	+3
<model>_SHADOW_TONE_P2_5 *	+2.5
<model>_SHADOW_TONE_P2	+2
<model>_SHADOW_TONE_P1_5 *	+1.5
<model>_SHADOW_TONE_P1	+1
<model>_SHADOW_TONE_P0_5 *	+0.5
<model>_SHADOW_TONE_0	0
<model>_SHADOW_TONE_M0_5 *	-0.5
<model>_SHADOW_TONE_M1	-1
<model>_SHADOW_TONE_M1_5 *	-1.5
<model>_SHADOW_TONE_M2	-2

\* Some models do not support these settings

**Remarks**

This function can be used in State S3.

**See Also**

GetShadowTone

4.2.8.12. GetShadowTone

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Gets the SHADOW TONE setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plTone  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetShadowTone
lAPIParam	(IN)	<model>_API_PARAM_GetShadowTone
plTone	(OUT)	See lTone of “SetShadowTone”.

Remarks

This function can be used in State S3.

See Also

SetShadowTone

4.2.8.13. CapShadowing

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	

Description

Queries supported values for COLOR CHROME EFFECT.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plShadowing
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapShadowing
lAPIParam	(IN)	<model>_API_PARAM_CapShadowing
plNum	(OUT)	Returns the number of “SetShadowing” settings supported.
plShadowing	(OUT)	See lColorChromeEffect of “SetShadowing”.

Remarks

This function can be used in State S3.

See Also

SetShadowing

4.2.8.14. SetShadowing

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Sets the COLOR CHROME EFFECT setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lShadowing  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetShadowing	
lAPIParam	(IN)	<model>_API_PARAM_SetShadowing	
lShadowing	(IN)		
		<model>_SHADOWING_P2	<b>STRONG</b>
		<model>_SHADOWING_P1	<b>WEAK</b>
		<model>_SHADOWING_0	<b>OFF</b>

Remarks

This function can be used in State S3.

See Also

GetShadowing

MODEL DEPENDENT API

4.2.8.15. GetShadowing

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Gets the COLOR CHROME EFFECT setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plShadowing  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetShadowing
lAPIParam	(IN)	<model>_API_PARAM_GetShadowing
plShadowing	(OUT)	See “SetShadowing”.

Remarks

This function can be used in State S3.

See Also

SetShadowing

4.2.8.16. CapWideDynamicRange

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	

Description

Queries supported D RANGE PRIORITY settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plWideDynamicRange
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapWideDynamicRange
lAPIParam	(IN)	<model>_API_PARAM_CapWideDynamicRange
plNum	(OUT)	Returns the number of “SetWideDynamicRange” settings supported.
plWideDynamicRange	(OUT)	

<model>_WIDEDYNAMICRANGE_0	OFF
<model>_WIDEDYNAMICRANGE_P1	WEAK
<model>_WIDEDYNAMICRANGE_P2	STRONG
<model>_WIDEDYNAMICRANGE_P3	EXTRA STRONG
<model>_WIDEDYNAMICRANGE_AUTO	AUTO

Remarks

This function can be used in State S3.

See Also

SetWideDynamicRange, GetWideDynamicRange

MODEL DEPENDENT API

**4.2.8.17. SetWideDynamicRange****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓	

**Description**

Sets the D RANGE PRIORITY setting.

**Syntax**

```
APIENTRY XSDK_SetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lWideDynamicRange
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Parameters**

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_SetWideDynamicRange
lAPIParam	(IN)	<model>_API_PARAM_SetWideDynamicRange
lWideDynamicRange	(OUT)	

<model>_WIDEDYNAMICRANGE_0	<b>OFF</b>
<model>_WIDEDYNAMICRANGE_P1	<b>WEAK</b>
<model>_WIDEDYNAMICRANGE_P2	<b>STRONG</b>
<model>_WIDEDYNAMICRANGE_P2	<b>EXTRA STRONG</b>
<model>_WIDEDYNAMICRANGE_AUTO	<b>AUTO</b>

**Remarks**

This function can be used in State S3.

**See Also**

CapWideDynamicRange, GetWideDynamicRange

**4.2.8.18. GetWideDynamicRange****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓	

**Description**

Gets the current D RANGE PRIORITY setting.

**Syntax**

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plWideDynamicRange
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Parameters**

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetWideDynamicRange
lAPIParam	(IN)	<model>_API_PARAM_GetWideDynamicRange
plWideDynamicRange	(OUT)	

<model>_WIDEDYNAMICRANGE_0	<b>OFF</b>
<model>_WIDEDYNAMICRANGE_P1	<b>WEAK</b>
<model>_WIDEDYNAMICRANGE_P2	<b>STRONG</b>
<model>_WIDEDYNAMICRANGE_P3	<b>EXTRA STRONG</b>
<model>_WIDEDYNAMICRANGE_AUTO	<b>AUTO</b>

**Remarks**

This function can be used in State S3.

**See Also**

CapWideDynamicRange, SetWideDynamicRange

4.2.8.19. CapColorChromeBlue

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	

Description

Queries supported COLOR CHROME FX BLUE settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plEffect
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapColorChromeBlue
lAPIParam	(IN)	<model>_API_PARAM_CapColorChromeBlue
plNum	(OUT)	Returns the number of “SetColorChromeBlue” settings supported.
plEffect	(OUT)	See lColorChromeBlue of “SetColorChromeBlue”.

Remarks

This function can be used in State S3.

See Also

SetColorChromeBlue

MODEL DEPENDENT API

4.2.8.20. SetColorChromeBlue

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
			✓	✓		✓	✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓	

Description

Sets the COLOR CHROME FX BLUE setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lColorChromeBlue  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_SetColorChromeBlue
lAPIParam	(IN)	<model>_API_PARAM_SetColorChromeBlue
lColorChromeBlue	(IN)	

<model>_COLORCHROME_BLUE_P2	STRONG
<model>_COLORCHROME_BLUE_P1	WEAK
<model>_COLORCHROME_BLUE_0	OFF

The GFX 100 supports COLOR CHROME FX BLUE from firmware version 2.00.

Remarks

This function can be used in State S3.

See Also

GetColorChromeBlue

MODEL DEPENDENT API

4.2.8.21. GetColorChromeBlue

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
			✓	✓		✓	✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓	

Description

Gets the COLOR CHROME FX BLUE setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plColorChromeBlue  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetColorChromeBlue
lAPIParam	(IN)	<model>_API_PARAM_GetColorChromeBlue
plColorChromeBlue	(OUT)	See lColorChromeBlue of “SetColorChromeBlue”.

Remarks

This function can be used in State S3.

See Also

SetColorChromeBlue

4.2.8.22. CapClarityMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	

Description

Queries supported CLARITY values.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plClarity
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapClarityMode
lAPIParam	(IN)	<model>_API_PARAM_CapClarityMode
plNum	(OUT)	Returns the number of “SetClarityMode” settings supported.
plClarity	(OUT)	

<model>_CLARITY_P5	+5
<model>_CLARITY_P4	+4
<model>_CLARITY_P3	+3
<model>_CLARITY_P2	+2
<model>_CLARITY_P1	+1
<model>_CLARITY_0	0
<model>_CLARITY_M1	-1
<model>_CLARITY_M2	-2
<model>_CLARITY_M3	-3
<model>_CLARITY_M4	-4
<model>_CLARITY_M5	-5

MODEL DEPENDENT API

**Remarks**

This function can be used in State S3.

**See Also**

SetClarityMode

4.2.8.23. SetClarityMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
			✓	✓		✓	✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓	

Description

Sets the CLARITY setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lClarity  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_SetClarityMode
lAPIParam	(IN)	<model>_API_PARAM_SetClarityMode
lClarity	(IN)	

<model>_CLARITY_P5	+5
<model>_CLARITY_P4	+4
<model>_CLARITY_P3	+3
<model>_CLARITY_P2	+2
<model>_CLARITY_P1	+1
<model>_CLARITY_0	0
<model>_CLARITY_M1	-1
<model>_CLARITY_M2	-2
<model>_CLARITY_M3	-3
<model>_CLARITY_M4	-4
<model>_CLARITY_M5	-5

The GFX 100 supports CLARITY from firmware version 2.00.

**Remarks**

This function can be used in State S3.

**See Also**

GetClarityMode

4.2.8.24. GetClarityMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
			✓	✓		✓	✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓	

Description

Gets the CLARITY setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plClarity  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetClarityMode
lAPIParam	(IN)	<model>_API_PARAM_GetClarityMode
plClarity	(OUT)	See lClarity of “SetClarityMode”.

Remarks

This function can be used in State S3.

See Also

SetClarityMode

4.2.8.25. CapSmoothSkinEffect

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5

Description

Queries supported SMOOTH SKIN EFFECT values.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plEffect
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.						
lAPICode	(IN)	<model>_API_CODE_CapSmoothSkinEffect						
lAPIParam	(IN)	<model>_API_PARAM_CapSmoothSkinEffect						
plNum	(OUT)	Returns the number of “SetSmoothSkinEffect” settings supported.						
plClarity	(OUT)	<table><tr><td>&lt;model&gt;_SMOOTHSKIN_EFFECT_OFF</td><td><b>OFF</b></td></tr><tr><td>&lt;model&gt;_SMOOTHSKIN_EFFECT_P1</td><td><b>WEAK</b></td></tr><tr><td>&lt;model&gt;_SMOOTHSKIN_EFFECT_P2</td><td><b>STRONG</b></td></tr></table>	<model>_SMOOTHSKIN_EFFECT_OFF	<b>OFF</b>	<model>_SMOOTHSKIN_EFFECT_P1	<b>WEAK</b>	<model>_SMOOTHSKIN_EFFECT_P2	<b>STRONG</b>
<model>_SMOOTHSKIN_EFFECT_OFF	<b>OFF</b>							
<model>_SMOOTHSKIN_EFFECT_P1	<b>WEAK</b>							
<model>_SMOOTHSKIN_EFFECT_P2	<b>STRONG</b>							

Remarks

This function can be used in State S3.

See Also

SetSmoothSkinEffect

**4.2.8.26. SetSmoothSkinEffect****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNAS5
				✓					✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	

**Description**

Sets the SMOOTH SKIN EFFECT setting.

**Syntax**

```
APIENTRY XSDK_SetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lEffect
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS

XSDK\_ERROR : ERROR

**Parameters**

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetSmoothSkinEffect

lAPIParam (IN) <model>\_API\_PARAM\_SetSmoothSkinEffect

lEffect (IN)

<model>_SMOOTHSKIN_EFFECT_OFF	<b>OFF</b>
<model>_SMOOTHSKIN_EFFECT_P1	<b>WEAK</b>
<model>_SMOOTHSKIN_EFFECT_P2	<b>STRONG</b>

The GFX 50S support SMOOTH SKIN EFFECT from firmware version 4.00.

The GFX 50R support SMOOTH SKIN EFFECT from firmware version 2.00.

**Remarks**

This function can be used in State S3.

**See Also**

GetSmoothSkinEffect

4.2.8.27. GetSmoothSkinEffect

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓					✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	

Description

Gets the SMOOTH SKIN EFFECT setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plEffect  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetSmoothSkinEffect
lAPIParam	(IN)	<model>_API_PARAM_GetSmoothSkinEffect
plEffect	(OUT)	See lEffect of “SetSmoothSkinEffect”.

Remarks

This function can be used in State S3.

See Also

SetSmoothSkinEffect

MODEL DEPENDENT API

4.2.8.28. CapNoiseReduction

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	

Description

Queries supported NOISE REDUCTION / HIGH ISO NR settings.  
NOISE REDUCTION and HIGH ISO NR are the same feature. Depending on the model, the name of the feature is different.

Syntax

```
APIENTRY XSDK_CapProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plNum,  
    long* plNoiseReduction  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapNoiseReduction
lAPIParam	(IN)	<model>_API_PARAM_CapNoiseReduction
plNum	(OUT)	Returns the number of “SetNoiseReduction” settings supported.
plNoiseReduction	(OUT)	See lNoiseReduction of “SetNoiseReduction”.

Remarks

This function can be used in State S3.

See Also

SetNoiseReduction

MODEL DEPENDENT API

4.2.8.29. SetNoiseReduction

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Sets the NOISE REDUCTION / HIGH ISO NR setting.  
NOISE REDUCTION and HIGH ISO NR are the same feature. Depending on the model, the name of the feature is different.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lNoiseReduction  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_SetNoiseReduction
lAPIParam	(IN)	<model>_API_PARAM_SetNoiseReduction
lNoiseReduction	(IN)	

<model>_NOISEREDUCTION_P4	+4
<model>_NOISEREDUCTION_P3	+3
<model>_NOISEREDUCTION_P2	+2
<model>_NOISEREDUCTION_P1	+1
<model>_NOISEREDUCTION_0	0
<model>_NOISEREDUCTION_M1	-1
<model>_NOISEREDUCTION_M2	-2
<model>_NOISEREDUCTION_M3	-3
<model>_NOISEREDUCTION_M4	-4

Remarks

This function can be used in State S3.

**See Also**

GetNoiseReduction

4.2.8.30. GetNoiseReduction

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Gets the NOISE REDUCTION / HIGH ISO NR setting.

NOISE REDUCTION and HIGH ISO NR are the same feature. Depending on the model, the name of the feature is different.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plNoiseReduction  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetNoiseReduction
lAPIParam	(IN)	<model>_API_PARAM_GetNoiseReduction
plNoiseReduction	(OUT)	See lNoiseReduction of “SetNoiseReduction”.

Remarks

This function can be used in State S3.

See Also

SetNoiseReduction

4.2.8.31. CapLMOMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓		

Description

Queries supported LENS MODULATION OPTIMIZER settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plLMOMode
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapLMOMode
lAPIParam	(IN)	<model>_API_PARAM_CapLMOMode
plNum	(OUT)	Returns the number of “SetLMOMode” settings supported.
plLMOMode	(OUT)	See lLMOMode of “SetLMOMode”

Remarks

This function can be used in State S3.

See Also

SetLMOMode

4.2.8.32. SetLMOMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓		

Description

Sets the LENS MODULATION OPTIMIZER setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lLMOMode  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetLMOMode	
lAPIParam	(IN)	<model>_API_PARAM_SetLMOMode	
lLMOMode	(IN)		
		<model>_ON	ON
		<model>_OFF	OFF

Remarks

This function can be used in State S3.

See Also

GetLMOMode

4.2.8.33. GetLMOMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓		

Description

Gets the LENS MODULATION OPTIMIZER setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plLMOMode  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetLMOMode
lAPIParam	(IN)	<model>_API_PARAM_GetLMOMode
plLMOMode	(OUT)	See ILMOMode of “SetLMOMode”.

Remarks

This function can be used in State S3.

See Also

SetLMOMode

4.2.8.34. CapLongExposureNR

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	

Description

Queries supported LONG EXPOSURE NR settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plLongExposureNR
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapLongExposureNR
lAPIParam	(IN)	<model>_API_PARAM_CapLongExposureNR
plNum	(OUT)	Returns the number of “SetLongExposureNR” settings supported.
plLongExposureNR	(OUT)	See lLongExposureNR of “SetLongExposureNR”.

Remarks

This function can be used in State S3.

See Also

SetLongExposureNR

4.2.8.35. SetLongExposureNR

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Sets the LONG EXPOSURE NR setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lLongExposureNR  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetLongExposureNR	
lAPIParam	(IN)	<model>_API_PARAM_SetLongExposureNR	
lLongExposureNR	(IN)		
		<model>_ON	ON
		<model>_OFF	OFF

Remarks

This function can be used in State S3.

See Also

GetLongExposureNR

4.2.8.36. GetLongExposureNR

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Gets the LONG EXPOSURE NR setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* pLongExposureNR  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetLongExposureNR
lAPIParam	(IN)	<model>_API_PARAM_GetLongExposureNR
pLongExposureNR	(OUT)	See lLongExposureNR of “SetLongExposureNR”.

Remarks

This function can be used in State S3.

See Also

SetLongExposureNR

**4.2.8.37. CapPortraitEnhancer****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
											✓											

**Description**

Queries supported BEAUTIFUL SKIN PROCESSING settings.

**Syntax**

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plMode
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Parameters**

hCamera	(IN)	The camera handle.									
lAPICode	(IN)	<model>_API_CODE_CapPortraitEnhancer									
lAPIParam	(IN)	<model>_API_PARAM_CapPortraitEnhancer									
plNum	(OUT)	Returns the number of “SetPortraitEnhancer” settings supported									
plMode	(OUT)	<table><tr><td>&lt;model&gt;_PORTRAIT_ENHANCER_OFF</td><td>OFF</td></tr><tr><td>&lt;model&gt;_PORTRAIT_ENHANCER_SOFT</td><td>Weak</td></tr><tr><td>&lt;model&gt;_PORTRAIT_ENHANCER_MEDIUM</td><td>Medium</td></tr><tr><td>&lt;model&gt;_PORTRAIT_ENHANCER_HARD</td><td>Strong</td></tr></table>		<model>_PORTRAIT_ENHANCER_OFF	OFF	<model>_PORTRAIT_ENHANCER_SOFT	Weak	<model>_PORTRAIT_ENHANCER_MEDIUM	Medium	<model>_PORTRAIT_ENHANCER_HARD	Strong
<model>_PORTRAIT_ENHANCER_OFF	OFF										
<model>_PORTRAIT_ENHANCER_SOFT	Weak										
<model>_PORTRAIT_ENHANCER_MEDIUM	Medium										
<model>_PORTRAIT_ENHANCER_HARD	Strong										

**Remarks**

This function can be used in State S3.

**See Also**

SetPortraitEnhancer, GetPortraitEnhancer

4.2.8.38. SetPortraitEnhancer

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
											✓												

Description

Sets the BEAUTIFUL SKIN PROCESSING setting.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lMode
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetPortraitEnhancer	
lAPIParam	(IN)	<model>_API_PARAM_SetPortraitEnhancer	
lMode	(IN)		
		<model>_PORTRAIT_ENHANCER_OFF	OFF
		<model>_PORTRAIT_ENHANCER_SOFT	Weak
		<model>_PORTRAIT_ENHANCER_MEDIUM	Medium
		<model>_PORTRAIT_ENHANCER_HARD	Strong

Remarks

This function can be used in State S3.

See Also

CapPortraitEnhancer, GetPortraitEnhancer

4.2.8.39. GetPortraitEnhancer

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
											✓											

Description

Gets the MOVIE BEAUTIFUL SKIN PROCESSING setting.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plMode
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetPortraitEnhancer
lAPIParam	(IN)	<model>_API_PARAM_GetPortraitEnhancer
plMode	(OUT)	See lSetting of “SetPortraitEnhancer”.

Remarks

This function can be used in State S3.

See Also

CapPortraitEnhancer, SetPortraitEnhancer

4.2.9. Self Timer

4.2.9.1. CapCaptureDelay

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓									✓	✓	✓	

Description

Queries supported SELF-TIMER duration settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plCaptureDelay
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapCaptureDelay
lAPIParam	(IN)	<model>_API_PARAM_CapCaptureDelay
plNum	(OUT)	Returns the number of “SetCaptureDelay” settings supported.
plCaptureDelay	(OUT)	See lCaptureDelay of “SetCaptureDelay”.

Remarks

This function can be used in State S3.

See Also

SetCaptureDelay

MODEL DEPENDENT API

4.2.9.2. SetCaptureDelay

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Sets the SELF-TIMER setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lCaptureDelay  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetCaptureDelay	
lAPIParam	(IN)	<model>_API_PARAM_SetCaptureDelay	
lCaptureDelay	(IN)		
		<model>_CAPTUREDELAY_10	10 sec.
		<model>_CAPTUREDELAY_2	2 sec.
		<model>_CAPTUREDELAY_OFF	OFF

Remarks

This function can be used in State S3.

See Also

GetCaptureDelay

MODEL DEPENDENT API

4.2.9.3. GetCaptureDelay

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Gets the SELF-TIMER setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plCaptureDelay  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetCaptureDelay
lAPIParam	(IN)	<model>_API_PARAM_GetCaptureDelay
plCaptureDelay	(OUT)	See lCaptureDelay of “SetCaptureDelay”.

Remarks

This function can be used in State S3.

See Also

SetCaptureDelay

4.2.10. SET-UP

4.2.10.1. SetDateTime

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
		✓	✓	✓		✓	✓	✓	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓

Description

Sets the DATE/TIME settings.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lYear,  
    long lMonth,  
    long lDay,  
    long lHour,  
    long lMinute,  
    long lSecond  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_SetDateTime
lAPIParam	(IN)	<model>_API_PARAM_SetDateTime
lYear	(IN)	YEAR: 2000-2050
lMonth	(IN)	MONTH: 1-12
lDay	(IN)	DATE: 1-31
lHour	(IN)	HOUR: 0-23
lMinute	(IN)	MINUTE: 0-59
lSecond	(IN)	SECOND: 0-59

Remarks

This function can be used in State S3.

See Also

---

GetDateTime

MODEL DEPENDENT API

4.2.10.2.      GetDateTime

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

Description

Gets the DATE/TIME settings.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE  hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plYear,  
    long* plMonth,  
    long* plDay,  
    long* plHour,  
    long* plMinute,  
    long* plSecond  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetDateTime
lAPIParam	(IN)	<model>_API_PARAM_GetDateTime
plYear	(OUT)	See “SetDateTime”.
plMonth	(OUT)	See “SetDateTime”.
plDay	(OUT)	See “SetDateTime”.
plHour	(OUT)	See “SetDateTime”.
plMinute	(OUT)	See “SetDateTime”.
plSecond	(OUT)	See “SetDateTime”.

Remarks

This function can be used in State S3.

See Also

SetDateTime

4.2.10.3. CapDateTimeDispFormat

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5

Description

Queries supported DATE/TIME format values.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plFormat
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapDateTimeDispFormat
lAPIParam	(IN)	<model>_API_PARAM_CapDateTimeDispFormat
plNum	(OUT)	Returns the number of “SetDateTimeDispFormat” settings supported.
plClarity	(OUT)	

<model>_DATE_FORMAT_YMD	YY.MM.DD
<model>_DATE_FORMAT_DMY	DD.MM.YY
<model>_DATE_FORMAT_MDY	MM/DD/YY

Remarks

This function can be used in State S3.

See Also

SetDateTimeDispFormat

MODEL DEPENDENT API

4.2.10.4. SetDateTimeDispFormat

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA 55
				✓				✓	✓	✓	✓									✓	✓	✓	✓

Description

Sets the DATE/TIME format.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lFormat  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetDateTimeDispFormat	
lAPIParam	(IN)	<model>_API_PARAM_SetDateTimeDispFormat	
lFormat	(IN)		
		<model>_DATE_FORMAT_YMD	YY.MM.DD
		<model>_DATE_FORMAT_DMY	DD.MM.YY
		<model>_DATE_FORMAT_MDY	MM/DD/YY

Remarks

This function can be used in State S3.

See Also

GetDateTimeDispFormat

MODEL DEPENDENT API

4.2.10.5. GetDateTimeDispFormat

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Get the DATE/TIME format.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plFormat  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetDateTimeDispFormat
lAPIParam	(IN)	<model>_API_PARAM_GetDateTimeDispFormat
plFormat	(OUT)	See lFormat of “SetDateTimeDispFormat”.

Remarks

This function can be used in State S3.

See Also

SetDateTimeDispFormat

4.2.10.6. CapWorldClock

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported HOME, LOCAL settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plWorldClock
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapWorldClock
lAPIParam	(IN)	<model>_API_PARAM_CapWorldClock
plNum	(OUT)	Returns the number of “SetWorldClock” settings supported.
plWorldClock	(OUT)	See lWorldClock of “SetWorldClock”.

Remarks

This function can be used in State S3.

See Also

SetWorldClock

MODEL DEPENDENT API

4.2.10.7. SetWorldClock

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the HOME or LOCAL setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lWorldClock  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetWorldClock	
lAPIParam	(IN)	<model>_API_PARAM_SetWorldClock	
IWorldClock	(IN)		
		<model>_TIMEDIFF_HOME	HOME
		<model>_TIMEDIFF_LOCAL	LOCAL

Remarks

This function can be used in State S3.

See Also

GetWorldClock

4.2.10.8. GetWorldClock

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the HOME or LOCAL setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plWorldClock  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetWorldClock
lAPIParam	(IN)	<model>_API_PARAM_GetWorldClock
plWorldClock	(OUT)	See IWorldClock of “SetWorldClock”.

Remarks

This function can be used in State S3.

See Also

SetWorldClock

4.2.10.9. CapTimeDifference

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported TIME DIFFERENCE settings.  
If the model supports UTC based timezone, TIME DIFFERENCE is depending on HOME/LOCAL setting. To call CapTimeDifference, setting HOME/LOCAL prior to this API is required.

Syntax

```
APIENTRY XSDK_CapProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plDiffHourNum,  
    long* plDiffMinuteNum,  
    long* plDiffHour,  
    long* plDiffMinute  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapTimeDifference
lAPIParam	(IN)	<model>_API_PARAM_CapTimeDifference
plDiffHourNum	(OUT)	Returns the number of Hour : -23 ... 0 ... +23
plDiffMinuteNum	(OUT)	Returns the number of Minutes : 0 / 15 / 30 / 45
plDiffHour	(OUT)	See lDiffHour of “SetTimeDifference”.
plDiffMinute	(OUT)	See lDiffMinute of “SetTimeDifference”.

Remarks

This function can be used in State S3.

See Also

SetTimeDifference

MODEL DEPENDENT API

4.2.10.10. SetTimeDifference

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the TIME DIFFERENCE settings.

If the model supports UTC based timezone, TIME DIFFERENCE is depending on HOME/LOCAL setting. To call SetTimeDifference, setting HOME/LOCAL prior to this API is required.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lDiffHour,  
    long lDiffMinute  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_SetTimeDifference
lAPIParam	(IN)	<model>_API_PARAM_SetTimeDifference
lDiffHour	(IN)	HOURL: -23 ... 0 ... +23
lDiffMinute	(IN)	MINUTES: 0 / 15 / 30 / 45

Remarks

This function can be used in State S3.

See Also

GetTimeDifference

MODEL DEPENDENT API

4.2.10.11. GetTimeDifference

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the TIME DIFFERENCE settings.

If the model supports UTC based timezone, TIME DIFFERENCE is depending on HOME/LOCAL setting. To call GetTimeDifference, setting HOME/LOCAL prior to this API is required.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plDiffHour,
    long* plDiffMinute
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetTimeDifference
lAPIParam	(IN)	<model>_API_PARAM_GetTimeDifference
plDiffHour	(OUT)	See lDiffHour of “SetTimeDifference”.
plDiffMinute	(OUT)	See lDiffMinute of “SetTimeDifference”.

Remarks

This function can be used in State S3.

See Also

SetTimeDifference

4.2.10.12. CapSummerTime

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported DAYLIGHT SAVINGS settings.

If the model supports UTC based timezone, DAYLIGHT SAVINGS is depending on HOME/LOCAL setting. To call CapSummerTime, setting HOME/LOCAL prior to this API is required.

Syntax

```
APIENTRY XSDK_CapProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plNum,  
    long* plSummerTime  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapSummerTime
lAPIParam	(IN)	<model>_API_PARAM_CapSummerTime
plNum	(OUT)	Returns the number of “SetSummerTime” settings supported.
plSummerTime	(OUT)	See lSummerTime of “SetSummerTime”.

Remarks

This function can be used in State S3.

See Also

SetSummerTime

4.2.10.13. SetSummerTime

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets DAYLIGHT SAVINGS setting.

If the model supports UTC based timezone, DAYLIGHT SAVINGS is depending on HOME/LOCAL setting. To call SetSummerTime, setting HOME/LOCAL prior to this API is required.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSummerTime  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetSummerTime	
lAPIParam	(IN)	<model>_API_PARAM_SetSummerTime	
lSummerTime	(IN)		
		<model>_ON	ON
		<model>_OFF	OFF

Remarks

This function can be used in State S3.

See Also

GetSummerTime

MODEL DEPENDENT API

4.2.10.14. GetSummerTime

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the DAYLIGHT SAVINGS setting.

If the model supports UTC based timezone, DAYLIGHT SAVINGS is depending on HOME/LOCAL setting. To call GetSummerTime, setting HOME/LOCAL prior to this API is required.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSummerTime
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetSummerTime
lAPIParam	(IN)	<model>_API_PARAM_GetSummerTime
plSummerTime	(OUT)	See lSummerTime of “SetSummerTime”.

Remarks

This function can be used in State S3.

See Also

SetSummerTime

4.2.10.15. CapResetSetting

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported reset options.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plCategory
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_CapResetSetting	
lAPIParam	(IN)	<model>_API_PARAM_CapResetSetting	
plNum	(OUT)	Returns the number of “ResetSetting” settings supported.	
plCategory	(OUT)		
		<model>_ITEM_RESET_SHOOTMENU	SHOOTING MENU
		<model>_ITEM_RESET_SETUP	SET-UP MENU
		<model>_ITEM_RESET_MOVIEMENU	MOVIE MENU

Remarks

This function can be used in State S3.

See Also

ResetSetting

MODEL DEPENDENT API

4.2.10.16. ResetSetting

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

Description

Executes RESET setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lCategory  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_ResetSetting	
lAPIParam	(IN)	<model>_API_PARAM_ResetSetting	
lCategory	(IN)	Select the target menu.	
		<model>_ITEM_RESET_SHOOTMENU	SHOOTING MENU
		<model>_ITEM_RESET_SETUP	SET-UP MENU
		<model>_ITEM_RESET_MOVIEMENU	MOVIE MENU

Settings in the MOVIE MENU cannot be reset currently.

Remarks

This function can be used in State S3.

See Also

4.2.10.17. CapExposurePreview

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20					GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓										✓	✓	✓	

Description

Queries supported PREVIEW EXP./WB IN MANUAL MODE settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plMode
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapExposurePreview
lAPIParam	(IN)	<model>_API_PARAM_CapExposurePreview
plNum	(OUT)	Returns the number of “SetExposurePreview” settings supported.
plMode	(OUT)	See lDispMode of “SetDispMMode / SetExposurePreview”.

Remarks

This function can be used in State S3.

See Also

SetDispMMode / SetExposurePreview

MODEL DEPENDENT API

4.2.10.18. SetDispMMode / SetExposurePreview

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Sets the PREVIEW EXP./WB IN MANUAL MODE setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lDispMode  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.							
lAPICode	(IN)	<model>_API_CODE_SetDispMMode, or <model>_API_CODE_SetExposurePreview							
lAPIParam	(IN)	<model>_API_PARAM_SetDispMMode, or <model>_API_PARAM_SetExposurePreview							
IDispMode	(IN)	<table><tr><td>&lt;model&gt;_EXPOSURE_PREVIEW_ME_MWB</td><td>Preview Exp. / WB</td></tr><tr><td>&lt;model&gt;_EXPOSURE_PREVIEW_AE_MWB</td><td>Preview WB</td></tr><tr><td>&lt;model&gt;_EXPOSURE_PREVIEW_AE_AWB</td><td>Preview OFF</td></tr></table>		<model>_EXPOSURE_PREVIEW_ME_MWB	Preview Exp. / WB	<model>_EXPOSURE_PREVIEW_AE_MWB	Preview WB	<model>_EXPOSURE_PREVIEW_AE_AWB	Preview OFF
<model>_EXPOSURE_PREVIEW_ME_MWB	Preview Exp. / WB								
<model>_EXPOSURE_PREVIEW_AE_MWB	Preview WB								
<model>_EXPOSURE_PREVIEW_AE_AWB	Preview OFF								

Remarks

This function can be used in State S3.

See Also

GetDispMMode / GetExposurePreview

MODEL DEPENDENT API

4.2.10.19. GetDispMMode / GetExposurePreview

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Gets the PREVIEW EXP./WB IN MANUAL MODE setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plDispMode  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetDispMMode, or <model>_API_CODE_GetExposurePreview
lAPIParam	(IN)	<model>_API_PARAM_GetDispMMode, or <model>_API_PARAM_GetExposurePreview
plDispMode	(OUT)	See lDispMode of “SetDispMMode / SetExposurePreview”.

Remarks

This function can be used in State S3.

See Also

SetDispMMode / SetExposurePreview

4.2.10.20. CapFrameGuideMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	

Description

Queries supported FRAMING GUIDELINE settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plFrameGuideMode
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapFrameGuideMode
lAPIParam	(IN)	<model>_API_PARAM_CapFrameGuideMode
plNum	(OUT)	Returns the number of “SetFrameGuideMode” settings supported.
plFrameGuideMode	(OUT)	See lFrameGuideMode of “SetFrameGuideMode”.

Remarks

This function can be used in State S3.

See Also

SetFrameGuideMode

MODEL DEPENDENT API

4.2.10.21. SetFrameGuideMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Sets the FRAMING GUIDELINE setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lFrameGuideMode  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetFrameGuideMode	
lAPIParam	(IN)	<model>_API_PARAM_SetFrameGuideMode	
lFrameGuideMode	(IN)		
		<model>_FRAMEGUIDE_GRID_9	GRID 9
		<model>_FRAMEGUIDE_GRID_24	GRID 24
		<model>_FRAMEGUIDE_GRID_HD	HD FRAME

Remarks

This function can be used in State S3.

See Also

GetFrameGuideMode

MODEL DEPENDENT API

4.2.10.22. GetFrameGuideMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Gets the FRAMING GUIDELINE setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plFrameGuideMode  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetFrameGuideMode
lAPIParam	(IN)	<model>_API_PARAM_GetFrameGuideMode
plFrameGuideMode	(OUT)	See lFrameGuideMode of “SetFrameGuideMode”.

Remarks

This function can be used in State S3.

See Also

SetFrameGuideMode

4.2.10.23. SetFrameGuideGridInfo

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Sets the custom FRAMING GUIDELINE.

HD Frame can be modified using the function.

Syntax



```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lDirection,  
    <model>_FrameGuideGridInfo* pGridInfo  
);
```



Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_SetFrameGuideGridInfo
lAPIParam	(IN)	<model>_API_PARAM_SetFrameGuideGridInfo
lDirection	(IN)	

<model>_ITEM_DIRECTION_0	<p>Create custom framing guides for use when the camera is rotated 0° (coordinates refer to the screen as seen from the rear).</p>  <p>Coordinates for use when the camera is rotated 180° are generated automatically.</p> 
--------------------------	--

<code>&lt;model&gt;_ITEM_DIRECTION_90</code>	<p>Create custom framing guides for use when the camera is rotated CCW 90° counterclockwise (coordinates refer to the screen as seen from the rear)</p>  <p>Coordinates for use when the camera is rotated CCW 270° counterclockwise are generated automatically.</p> 
--	---

pGridInfo	(IN)	<pre>typedef struct{     long    lGridH[5]; // lGridH[4] have to be zero     long    lGridV[5]; // lGridV[4] have to be zero     long    lLineWidthH;     long    lLineWidthV;     long    lLineColorIndex;     long    lLineAlpha; } &lt;model&gt;_FrameGuideGridInfo;</pre> <p>lGridH[]:Drawing position (in percent of the LCD/EVF height) of horizontal lines. Up to 4 lines, 0..3 is available. The value is used with denominator 1024 inside the camera. 0: not to draw the line 1-1023: position of horizontal lines ( 1: almost top of the LCD/EVF, 1023: almost bottom of the LCD/EVF )</p> <p>lGridV[]:Drawing position (in percent of the LCD/EVF width) of vertical lines. Up to 4 lines, 0..3 is available. The value is used with denominator 1024 inside the camera.</p>
-----------	------	--

0: not to draw the line

1-1023: position of vertical lines ( 1: almost leftmost of the LCD/EVF, 1023: almost rightmost of the LCD/EVF )

ILineWidthH: The line width (in percent of the LCD/EVF height) of the horizontal lines.

The value is used with denominator 1024 inside the camera.

0: not to draw the line

1-127: line width of the horizontal lines.

ILineWidthV: The line width (in percent of the LCD/EVF width) of the vertical lines.

The value is used with denominator 1024 inside the camera.

0: not to draw the line

1-127: line width of the horizontal lines.

ILineColorIndex : The line color

0:BLACK, 1:BLUE, 2:GREEN, 3:CYAN, 4:RED, 5:VIOLET, 6:YELLOW, 7:WHITE

ILineAlpha : The transparency ratio of the line.

0:0%(solid) 1:12.5% 2:25% 3: 37.5% 4: 50% 5: 62.5% 6:75% 7:87.5%

#### Remarks

This function can be used in State S3.

#### See Also

GetFrameGuideGridInfo

4.2.10.24. GetFrameGuideGridInfo

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Gets the custom FRAMING GUIDELINE.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lDirection,
    <model>_FrameGuideGridInfo* pGridInfo
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetFrameGuideGridInfo
lAPIParam	(IN)	<model>_API_PARAM_GetFrameGuideGridInfo
lDirection	(IN)	See lDirection of SetFrameGuideGridInfo.
pGridInfo	(OUT)	See pGridInfo of SetFrameGuideGridInfo.

Remarks

This function can be used in State S3.

See Also

SetFrameGuideGridInfo

4.2.10.25. CapFocusScaleUnit

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported focus distance units.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plScaleUnit
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.					
lAPICode	(IN)	<model>_API_CODE_CapFocusScaleUnit					
lAPIParam	(IN)	<model>_API_PARAM_CapFocusScaleUnit					
plNum	(OUT)	Returns the number of “SetFocusScaleUnit” settings supported.					
plScaleUnit	(OUT)	<table><tr><td>&lt;model&gt;_SCALEUNIT_M</td><td>METERS</td></tr><tr><td>&lt;model&gt;_SCALEUNIT_FT</td><td>FEET</td></tr></table>		<model>_SCALEUNIT_M	METERS	<model>_SCALEUNIT_FT	FEET
<model>_SCALEUNIT_M	METERS						
<model>_SCALEUNIT_FT	FEET						

Remarks

This function can be used in State S3.

See Also

SetFocusScaleUnit, GetFocusScaleUnit

MODEL DEPENDENT API

4.2.10.26. SetFocusScaleUnit

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
			✓	✓		✓	✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓	✓

Description

Sets the focus distance unit.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lScaleUnit  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetFocusScaleUnit	
lAPIParam	(IN)	<model>_API_PARAM_SetFocusScaleUnit	
lScaleUnit	(IN)		
		<model>_SCALEUNIT_M	METERS
		<model>_SCALEUNIT_FT	FEET

Remarks

This function can be used in State S3.

See Also

CapFocusScaleUnit, GetFocusScaleUnit

MODEL DEPENDENT API

4.2.10.27. GetFocusScaleUnit

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
			✓	✓		✓	✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓	✓

Description

Gets the focus distance unit.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plScaleUnit  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_GetFocusScaleUnit	
lAPIParam	(IN)	<model>_API_PARAM_GetFocusScaleUnit	
plScaleUnit	(OUT)		
		<model>_SCALEUNIT_M	METERS
		<model>_SCALEUNIT_FT	FEET

Remarks

This function can be used in State S3.

See Also

CapFocusScaleUnit, SetFocusScaleUnit

MODEL DEPENDENT API

4.2.10.28. SetFilenamePrefix

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Sets the EDIT FILE NAME setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lCategory,  
    LPSTR pPrefix  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetFilenamePrefix	
lAPIParam	(IN)	<model>_API_PARAM_SetFilenamePrefix	
lCategory	(IN)	Select a target color space.	
		<model>_ITEM_FILENAME_sRGB	sRGB
		<model>_ITEM_FILENAME_AdobeRGB	AdobeRGB

pPrefix (IN) A prefix of either five bytes including NULL termination (four characters) for sRGB or four bytes including NULL termination (three characters) for AdobeRGB.

Remarks

This function can be used in State S3.

See Also

GetFilenamePrefix

4.2.10.29. GetFilenamePrefix

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Gets the EDIT FILE NAME setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lCategory,  
    LPSTR pPrefix  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetFilenamePrefix
lAPIParam	(IN)	<model>_API_PARAM_GetFilenamePrefix
lCategory	(IN)	See lCategory of “SetFilenamePrefix”.
pPrefix	(OUT)	See pPrefix of “SetFilenamePrefix”.

Remarks

This function can be used in State S3.

See Also

SetFilenamePrefix

4.2.10.30. CapLockButtonMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	

Description

Queries supported AE/AF LOCK MODE settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plLockMode
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapLockButtonMode
lAPIParam	(IN)	<model>_API_PARAM_CapLockButtonMode
plNum	(OUT)	Returns the number of “SetLockButtonMode” settings supported.
plLockMode	(OUT)	See lLockMode of “SetLockButtonMode”.

Remarks

This function can be used in State S3.

See Also

SetLockButtonMode

MODEL DEPENDENT API

4.2.10.31. SetLockButtonMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Sets the AE/AF LOCK MODE setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lLockMode  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetLockButtonMode	
lAPIParam	(IN)	<model>_API_PARAM_SetLockButtonMode	
lLockMode	(IN)		
		<model>_LOCKBUTTON_MODE_PRESSING	WHEN PRESSED
		<model>_LOCKBUTTON_MODE_SWITCH	TOGGLE

Remarks

This function can be used in State S3.

See Also

GetLockButtonMode

4.2.10.32. GetLockButtonMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Gets the AE/AF LOCK MODE setting.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plLockMode
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetLockButtonMode
lAPIParam	(IN)	<model>_API_PARAM_GetLockButtonMode
plLockMode	(OUT)	See lLockMode of “SetLockButtonMode”.

Remarks

This function can be used in State S3.

See Also

SetLockButtonMode

MODEL DEPENDENT API

4.2.10.33. CapColorSpace

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	

Description

Queries supported COLOR SPACE settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plColorSpace
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapColorSpace
lAPIParam	(IN)	<model>_API_PARAM_CapColorSpace
plNum	(OUT)	Returns the number of “SetColorSpace” settings supported.
plColorSpace	(OUT)	See lColorSpace of SetColorSpace.

Remarks

This function can be used in State S3.

See Also

SetColorSpace

MODEL DEPENDENT API

4.2.10.34. SetColorSpace

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Sets the COLOR SPACE setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lColorSpace  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetColorSpace	
lAPIParam	(IN)	<model>_API_PARAM_SetColorSpace	
lColorSpace	(IN)		
		<model>_COLORSPACE_sRGB	sRGB
		<model>_COLORSPACE_AdobeRGB	Adobe RGB

Remarks

This function can be used in State S3.

See Also

GetColorSpace

4.2.10.35. GetColorSpace

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Gets the COLOR SPACE setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plColorSpace  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetColorSpace
lAPIParam	(IN)	<model>_API_PARAM_GetColorSpace
plColorSpace	(OUT)	See lColorSpace of SetColorSpace.

Remarks

This function can be used in State S3.

See Also

SetColorSpace

4.2.10.36. CapFunctionLock

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported LOCK SETTINGS.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plLock
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_CapFunctionLock	
lAPIParam	(IN)	<model>_API_PARAM_CapFunctionLock	
plNum	(OUT)	Returns the number of “SetFunctionLock” settings supported.	
plLock	(OUT)		
		<model>_FUNCTIONLOCK_FREE	UNLOCK
		<model>_FUNCTIONLOCK_ALL	LOCK ALL
		<model>_FUNCTIONLOCK_CATEGORY	SELECTED LOCK

Remarks

This function can be used in State S3.

See Also

SetFunctionLock

4.2.10.37. SetFunctionLock

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

Description

Sets the LOCK SETTING.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lLock  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetFunctionLock	
lAPIParam	(IN)	<model>_API_PARAM_SetFunctionLock	
lLock	(IN)		
		<model>_FUNCTIONLOCK_UNLOCK	UNLOCK
		<model>_FUNCTIONLOCK_ALL	LOCK ALL
		<model>_FUNCTIONLOCK_CATEGORY	SELECTED LOCK

Remarks

This function can be used in State S3.

See Also

GetFunctionLock

4.2.10.38.      GetFunctionLock

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

Description

Gets the LOCK SETTING.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE  hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plLock  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetFunctionLock
lAPIParam	(IN)	<model>_API_PARAM_GetFunctionLock
plLock	(OUT)	See lLock of “SetFunctionLock”.

Remarks

This function can be used in State S3.

See Also

SetFunctionLock

4.2.10.39. CapFunctionLockCategory

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries the supported FUNCTION SELECTIONS for SELECTED FUNCTION LOCK.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    unsigned long* pulCategory1Num,
    unsigned long* pulCategory2Num,
    unsigned long* pulCategory3Num,
    unsigned long* pulCategory1,
    unsigned long* pulCategory2,
    unsigned long* pulCategory3
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapFunctionLockCategory
lAPIParam	(IN)	<model>_API_PARAM_CapFunctionLockCategory
pulCategory1Num	(OUT)	Returns the number of SetFocusLockCategory1 settings supported
pulCategory2Num	(OUT)	Returns the number of SetFocusLockCategory2 settings supported
pulCategory3Num	(OUT)	Returns the number of SetFocusLockCategory3 settings supported
pulCategory1	(OUT)	See ulCategory1 of “SetFunctionLockCategory”
pulCategory2	(OUT)	See ulCategory2 of “SetFunctionLockCategory”
pulCategory3	(OUT)	See ulCategory3 of “SetFunctionLockCategory”

Remarks

This function can be used in State S3.

See Also

SetFunctionLockCategory

4.2.10.40. SetFunctionLockCategory

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA 55
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

Description

Sets the FUNCTION SELECTIONS for SELECTED FUNCTION LOCK.

Syntax

[X-T3/X-T4/X-Pro3/X-S10/GFX50S/GFX50R/GFX100/GFX100S/GFX50S II]

```
APIENTRY XSDK_SetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    unsigned long ulCategory1,
    unsigned long ulCategory2,
    unsigned long ulCategory3
);

[Other models]
APIENTRY XSDK_SetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    unsigned long ulCategory1,
    unsigned long ulCategory2
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.				
lAPICode	(IN)	<model>_API_CODE_SetFunctionLockCategory				
lAPIParam	(IN)	<model>_API_PARAM_SetFunctionLockCategory				
ulCategory1	(IN)	[X-T3/X-T4/X-Pro3/X-S10/GFX50S/GFX50R/GFX100/GFX100S/GFX50SII/ GFX100II/GFX100SII/GFX ETERNA 55] To specfy functions to enable/disable in bitmap fields. <table><tr><td>&lt;model&gt;_FUNCTIONLOCK_CATEGORY1_FOCUSMODE</td><td>FOCUS MODE</td></tr><tr><td>&lt;model&gt;_FUNCTIONLOCK_CATEGORY1_APERTURE</td><td>APERTURE</td></tr></table>	<model>_FUNCTIONLOCK_CATEGORY1_FOCUSMODE	FOCUS MODE	<model>_FUNCTIONLOCK_CATEGORY1_APERTURE	APERTURE
<model>_FUNCTIONLOCK_CATEGORY1_FOCUSMODE	FOCUS MODE					
<model>_FUNCTIONLOCK_CATEGORY1_APERTURE	APERTURE					

<model>_FUNCTIONLOCK_CATEGORY1_SHUTTERSPEED	SHUTTER SPEED
<model>_FUNCTIONLOCK_CATEGORY1_ISO	ISO
<model>_FUNCTIONLOCK_CATEGORY1_EXPOSUREBIAS	EXP. COMPENSATION
<model>_FUNCTIONLOCK_CATEGORY1_DRV	DRIVE BUTTON
<model>_FUNCTIONLOCK_CATEGORY1_AEMODE	METERING MODE
<model>_FUNCTIONLOCK_CATEGORY1_QBUTTON	Q BUTTON
<model>_FUNCTIONLOCK_CATEGORY1_ISSWITCH	OIS SWITCH
<model>_FUNCTIONLOCK_CATEGORY1_PROGRAMSHIFT	PROGRAM SHIFT
<model>_FUNCTIONLOCK_CATEGORY1_VIEWMODE	VIEW MODE BUTTON
<model>_FUNCTIONLOCK_CATEGORY1_DISPBACK	DISP
<model>_FUNCTIONLOCK_CATEGORY1_AELOCK	AE-L BUTTON
<model>_FUNCTIONLOCK_CATEGORY1_AFLOCK	AF-L BUTTON
<model>_FUNCTIONLOCK_CATEGORY1_FOCUSASSIST	MF ASSIST
<model>_FUNCTIONLOCK_CATEGORY1_MOVIEREC	MOVIE RECORDING BUTTON
<model>_FUNCTIONLOCK_CATEGORY1_UP	SELECTOR UP(F6)BUTTON
<model>_FUNCTIONLOCK_CATEGORY1_RIGHT	SELECTOR RIGHT(F7)
<model>_FUNCTIONLOCK_CATEGORY1_LEFT	SELECTOR LEFT(F8)BUTTON
<model>_FUNCTIONLOCK_CATEGORY1_DOWN	SELECTOR DOWN(F9)BUTTON
<model>_FUNCTIONLOCK_CATEGORY1_FN1	Fn1 BUTTON
<model>_FUNCTIONLOCK_CATEGORY1_FN2	Fn2 BUTTON
<model>_FUNCTIONLOCK_CATEGORY1_AFMODE	AF MODE
<model>_FUNCTIONLOCK_CATEGORY1_FACEDETECT	FACE/EYE DETECTIN SETTING
<model>_FUNCTIONLOCK_CATEGORY1_SHOOTINGMENU	OTHER SHOOTING MENU
<model>_FUNCTIONLOCK_CATEGORY1_MEDIAFORMAT	FORMAT
<model>_FUNCTIONLOCK_CATEGORY1_ERASE	ERASE
<model>_FUNCTIONLOCK_CATEGORY1_DATETIME	AREA/DATE/TIME/TIME DIFFERENCE
<model>_FUNCTIONLOCK_CATEGORY1_RESET	RESET
<model>_FUNCTIONLOCK_CATEGORY1_SILENTMODE	SILENTMODE
<model>_FUNCTIONLOCK_CATEGORY1_SOUND	SOUND

**[Other models]**

Please refer to the Note for details.

The supported functions vary with the camera models.

ulCategory2 (IN) [X-T3/X-T4/X-Pro3/X-S10/GFX50S/GFX50R/GFX100/GFX100S/GFX50SII /  
GFX100II/GFX100SII/GFX ETERNA 55]

**To specify functions to enable/disable in bitmap fields.**

<model>_FUNCTIONLOCK_CATEGORY2_SCREENDISP	SCREEN SET-UP
<model>_FUNCTIONLOCK_CATEGORY2_COLORSPACE	COLOR SPACE

<model>_FUNCTIONLOCK_CATEGORY2_SETUP	OTHER SETUP MENU
<model>_FUNCTIONLOCK_CATEGORY2_OTHERSETUP	OTHER SETUP MENU
<model>_FUNCTIONLOCK_CATEGORY2_WHITEBALANCE	WHITE BALANCE
<model>_FUNCTIONLOCK_CATEGORY2_FILMSIMULATION	FILM SIMULATION
<model>_FUNCTIONLOCK_CATEGORY2_FOCUSSTICK	FOCUS STICK
<model>_FUNCTIONLOCK_CATEGORY2_FOCUSRANGESELECTOR	Focus Range Selector
<model>_FUNCTIONLOCK_CATEGORY2_FN3	Fn3 BUTTON
<model>_FUNCTIONLOCK_CATEGORY2_FN4	Fn4 BUTTON
<model>_FUNCTIONLOCK_CATEGORY2_FN5	Fn5 BUTTON
<model>_FUNCTIONLOCK_CATEGORY2_FN10	Fn10 BUTTON
<model>_FUNCTIONLOCK_CATEGORY2_RDIAL	R-DIAL
<model>_FUNCTIONLOCK_CATEGORY2_AFON	AF-ON
<model>_FUNCTIONLOCK_CATEGORY2_TOUCHMODE	TOUCH SCREEN MODE
<model>_FUNCTIONLOCK_CATEGORY2_TFN1	T-Fn1
<model>_FUNCTIONLOCK_CATEGORY2_TFN2	T-Fn2
<model>_FUNCTIONLOCK_CATEGORY2_TFN3	T-Fn3
<model>_FUNCTIONLOCK_CATEGORY2_TFN4	T-Fn4
<model>_FUNCTIONLOCK_CATEGORY2_SUBDISP	SUB MONITOR MODE BUTTON
<model>_FUNCTIONLOCK_CATEGORY2_AELOCK_V	Vertical grip AE-L button
<model>_FUNCTIONLOCK_CATEGORY2_AFON_V	Vertical grip AF-ON button
<model>_FUNCTIONLOCK_CATEGORY2_FN1_V	Vertical grip Fn1 button
<model>_FUNCTIONLOCK_CATEGORY2_FN2_V	Vertical grip Fn2 button
<model>_FUNCTIONLOCK_CATEGORY2_FN3_V	Vertical grip Fn3 button
<model>_FUNCTIONLOCK_CATEGORY2_FN4_V	Vertical grip Fn4 button
<model>_FUNCTIONLOCK_CATEGORY2_RDIAL_V	VERTICAL GRIP CENTER OF R-DIAL
<model>_FUNCTIONLOCK_CATEGORY2_LEVER	VIEWFINDER SELECTOR
<model>_FUNCTIONLOCK_CATEGORY2_IMAGESWITCHINGLEVER	STILL/MOVIE MODE DIAL
<model>_FUNCTIONLOCK_CATEGORY2_MODEDIAL	MODE DIAL
<model>_FUNCTIONLOCK_CATEGORY2_FDIAL	F-DIAL
<model>_FUNCTIONLOCK_CATEGORY2_FN_DIAL	Fn-DIAL
<model>_FUNCTIONLOCK_CATEGORY2_SUBDISP_LIGHT	SUB MONITOR BACKLIGHT BUTTON

**[Other models]**

Please refer to the Note for details.

The supported functions vary with the camera models.

ulCategory3 (IN) [X-S10/GFX100II/GFX100SII/GFX ETERNA 55]

To specify functions to enable/disable in bitmap fields.

<model>_FUNCTIONLOCK_CATEGORY3_ISOBUTTON	ISO BUTTON
<model>_FUNCTIONLOCK_CATEGORY3_MOVIE_FOCUSMODE	(MOVIE)FOCUS MODE
<model>_FUNCTIONLOCK_CATEGORY3_MOVIE_AFMODE	MOVIE AF MODE
<model>_FUNCTIONLOCK_CATEGORY3_OTHER_MOVIEMENU	OTHER MOVIE SETTING MENU
<model>_FUNCTIONLOCK_CATEGORY3_EXPOSUREMODE	SHOOTING MODE
<model>_FUNCTIONLOCK_CATEGORY3_WBBUTTON	WB BUTTON
<model>_FUNCTIONLOCK_CATEGORY3_BLUETOOTHPAIRING	Bluetooth PAIRING
<model>_FUNCTIONLOCK_CATEGORY3_BLUETOOTH	Bluetooth ON/OFF
<model>_FUNCTIONLOCK_CATEGORY3_SUBJECTDETECT	SUBJECT DETECT SETTING
<model>_FUNCTIONLOCK_CATEGORY3_OTHER_NETWORK/USB_SETTINGMENU	OTHER NETWORK/USB SETTING MENU
<model>_FUNCTIONLOCK_CATEGORY3_FM1	Z/F BUTTON
<model>_FUNCTIONLOCK_CATEGORY3_FM2	L-Fn1 BUTTON
<model>_FUNCTIONLOCK_CATEGORY3_FM3	L-Fn2 BUTTON
<model>_FUNCTIONLOCK_CATEGORY3_COMMUNICATIONSETSELECTION	SELECT CONNECTION SETTING
<model>_FUNCTIONLOCK_CATEGORY3_INFORMATIONDISPLAY	INFORMATION
<model>_FUNCTIONLOCK_CATEGORY3_FN6	Fn6 BUTTON
<model>_FUNCTIONLOCK_CATEGORY3_FSIM_DIAL	FSim DIAL
<model>_FUNCTIONLOCK_CATEGORY3_FSIM_DIAL_SETTING	FSim DIAL SETTING

[Other models]

Please refer to the Note for details.

The supported functions vary with the camera models.

**Note**

Supported functions [X-T3/X-T4/X-Pro3/X-S10/GFX50S/GFX50R/GFX100/GFX100S/GFX50SIH]

Item	X-T3	X-T4	X-Pro3	X-S10	GFX50S	GFX50R	GFX100	GFX100S	GFX50SIH
<model>_FUNCTIONLOCK_CATEGORY1_FOCUSMODE	✓	✓	✓	✓	✓	✓	✓	✓	✓
<model>_FUNCTIONLOCK_CATEGORY1_APERTURE	✓	✓	✓	✓	✓	✓	✓	✓	✓
<model>_FUNCTIONLOCK_CATEGORY1_SHUTTERSPEED	✓	✓	✓	✓	✓	✓	✓	✓	✓
<model>_FUNCTIONLOCK_CATEGORY1_ISO	✓	✓	✓	✓	✓	✓	✓	✓	✓
<model>_FUNCTIONLOCK_CATEGORY1_EXPOSUREBIAS	✓	✓	✓	✓	✓	✓	✓	✓	✓
<model>_FUNCTIONLOCK_CATEGORY1_DRV	✓	✓	✓	✓	✓	✓	✓	✓	✓
<model>_FUNCTIONLOCK_CATEGORY1_AEMODE	✓	✓	✓	✓	✓	✓	✓	✓	✓
<model>_FUNCTIONLOCK_CATEGORY1_QBUTTON	✓	✓	✓	✓	✓	✓	✓	✓	✓
<model>_FUNCTIONLOCK_CATEGORY1_ISSWITCH	✓	✓	✓	✓	✓	✓	✓	✓	✓
<model>_FUNCTIONLOCK_CATEGORY1_PROGRAMSHIFT	✓	✓	✓	✓	✓	✓	✓	✓	✓
<model>_FUNCTIONLOCK_CATEGORY1_VIEWMODE	✓	✓	✓		✓	✓	✓	✓	✓
<model>_FUNCTIONLOCK_CATEGORY1_DISPBACK	✓	✓	✓	✓	✓	✓	✓	✓	✓
<model>_FUNCTIONLOCK_CATEGORY1_AELOCK	✓	✓	✓	✓			✓	✓	✓
<model>_FUNCTIONLOCK_CATEGORY1_AFLOCK	✓		✓						
<model>_FUNCTIONLOCK_CATEGORY1_FOCUSASSIST	✓	✓	✓		✓	✓	✓	✓	✓
<model>_FUNCTIONLOCK_CATEGORY1_MOVIEREC				✓					
<model>_FUNCTIONLOCK_CATEGORY1_UP	✓	✓			✓	✓			
<model>_FUNCTIONLOCK_CATEGORY1_RIGHT	✓	✓			✓	✓			
<model>_FUNCTIONLOCK_CATEGORY1_LEFT	✓	✓			✓	✓			
<model>_FUNCTIONLOCK_CATEGORY1_DOWN	✓	✓			✓	✓			
<model>_FUNCTIONLOCK_CATEGORY1_FN1	✓	✓	✓	✓	✓	✓	✓	✓	✓
<model>_FUNCTIONLOCK_CATEGORY1_FN2	✓	✓	✓		✓	✓	✓	✓	✓
<model>_FUNCTIONLOCK_CATEGORY1_AFMODE	✓	✓	✓	✓	✓	✓	✓	✓	✓
<model>_FUNCTIONLOCK_CATEGORY1_FACEDETECT	✓	✓	✓	✓	✓	✓	✓	✓	✓
<model>_FUNCTIONLOCK_CATEGORY1_SHOOTINGMENU	✓	✓	✓	✓	✓	✓	✓	✓	✓
<model>_FUNCTIONLOCK_CATEGORY1_MEDIAFORMAT	✓	✓	✓	✓	✓	✓	✓	✓	✓
<model>_FUNCTIONLOCK_CATEGORY1_ERASE	✓	✓	✓	✓	✓	✓	✓	✓	✓
<model>_FUNCTIONLOCK_CATEGORY1_DATETIME	✓	✓	✓	✓	✓	✓	✓	✓	✓
<model>_FUNCTIONLOCK_CATEGORY1_RESET	✓	✓	✓	✓	✓	✓	✓	✓	✓
<model>_FUNCTIONLOCK_CATEGORY1_SILENTMODE									
<model>_FUNCTIONLOCK_CATEGORY1_SOUND	✓	✓	✓	✓	✓	✓	✓	✓	✓

Item	X-T3	X-T4	X-Pro3	X-S10	GFX50S	GFX50R	GFX100	GFX100S	GFX50SI
<model>_FUNCTIONLOCK_CATEGORY2_SCREENDISP	✓	✓	✓	✓	✓	✓	✓	✓	✓
<model>_FUNCTIONLOCK_CATEGORY2_COLORSPACE	✓	✓	✓	✓	✓	✓	✓	✓	✓
<model>_FUNCTIONLOCK_CATEGORY2_SETUP	✓	✓	✓	✓	✓	✓	✓	✓	✓
<model>_FUNCTIONLOCK_CATEGORY2_OTHERSETUP	✓	✓	✓	✓	✓	✓	✓	✓	✓
<model>_FUNCTIONLOCK_CATEGORY2_WHITEBALANCE	✓	✓	✓	✓	✓	✓	✓	✓	✓
<model>_FUNCTIONLOCK_CATEGORY2_FILMSIMULATION	✓	✓	✓	✓	✓	✓	✓	✓	✓
<model>_FUNCTIONLOCK_CATEGORY2_FOCUSSTICK	✓	✓	✓	✓	✓	✓	✓	✓	✓
<model>_FUNCTIONLOCK_CATEGORY2_FOCUSRANGESELECTOR	✓				✓	✓	✓	✓	✓
<model>_FUNCTIONLOCK_CATEGORY2_FN3			✓		✓	✓	✓	✓	✓
<model>_FUNCTIONLOCK_CATEGORY2_FN4					✓	✓	✓	✓	✓
<model>_FUNCTIONLOCK_CATEGORY2_FN5					✓	✓	✓		
<model>_FUNCTIONLOCK_CATEGORY2_FN10					✓	✓	✓		
<model>_FUNCTIONLOCK_CATEGORY2_RDIAL		✓	✓	✓			✓	✓	✓
<model>_FUNCTIONLOCK_CATEGORY2_AFON	✓	✓		✓			✓	✓	✓
<model>_FUNCTIONLOCK_CATEGORY2_TOUCHMODE	✓	✓	✓	✓			✓	✓	✓
<model>_FUNCTIONLOCK_CATEGORY2_TFN1	✓	✓	✓	✓			✓	✓	✓
<model>_FUNCTIONLOCK_CATEGORY2_TFN2	✓	✓	✓	✓			✓	✓	✓
<model>_FUNCTIONLOCK_CATEGORY2_TFN3	✓	✓	✓	✓			✓	✓	✓
<model>_FUNCTIONLOCK_CATEGORY2_TFN4	✓	✓	✓	✓			✓	✓	✓
<model>_FUNCTIONLOCK_CATEGORY2_SUBDISP							✓	✓	✓
<model>_FUNCTIONLOCK_CATEGORY2_AELOCK_V							✓		
<model>_FUNCTIONLOCK_CATEGORY2_AFON_V							✓		
<model>_FUNCTIONLOCK_CATEGORY2_FN1_V							✓		
<model>_FUNCTIONLOCK_CATEGORY2_FN2_V							✓		
<model>_FUNCTIONLOCK_CATEGORY2_FN3_V							✓		
<model>_FUNCTIONLOCK_CATEGORY2_FN4_V							✓		
<model>_FUNCTIONLOCK_CATEGORY2_RDIAL_V							✓		
<model>_FUNCTIONLOCK_CATEGORY2_LEVER			✓						
<model>_FUNCTIONLOCK_CATEGORY2_IMAGESWITCHINGLEVER		✓						✓	✓
<model>_FUNCTIONLOCK_CATEGORY2_MODEDIAL				✓				✓	✓
<model>_FUNCTIONLOCK_CATEGORY2_FDIAL				✓				✓	✓
<model>_FUNCTIONLOCK_CATEGORY2_FN_DIAL				✓					
<model>_FUNCTIONLOCK_CATEGORY2_SUBDISP_LIGHT								✓	✓

Item	X-T3	X-T4	X-Pro3	X-S10	GFX50S	GFX50R	GFX100	GFX100S	GFX50SI
<model>_FUNCTIONLOCK_CATEGORY3_ISOBUTTON				✓					
<model>_FUNCTIONLOCK_CATEGORY3_MOVIE_FOCUSMODE				✓					
<model>_FUNCTIONLOCK_CATEGORY3_MOVIE_AFMODE				✓					
<model>_FUNCTIONLOCK_CATEGORY3_OTHER_MOVIEMENU				✓					
<model>_FUNCTIONLOCK_CATEGORY3_EXPOSUREMODE				✓					
<model>_FUNCTIONLOCK_CATEGORY3_WBBUTTON									
<model>_FUNCTIONLOCK_CATEGORY3_BLUETOOTHPAIRING									
<model>_FUNCTIONLOCK_CATEGORY3_BLUETOOTH									
<model>_FUNCTIONLOCK_CATEGORY3_SUBJECTDETECT									
<model>_FUNCTIONLOCK_CATEGORY3_OTHERCONNECTIONSETTING									
<model>_FUNCTIONLOCK_CATEGORY3_FM1									
<model>_FUNCTIONLOCK_CATEGORY3_FM2									
<model>_FUNCTIONLOCK_CATEGORY3_FM3									
<model>_FUNCTIONLOCK_CATEGORY3_COMMUNICATIONSETSELECTION									
<model>_FUNCTIONLOCK_CATEGORY3_INFORMATIONDISP									
<model>_FUNCTIONLOCK_CATEGORY3_FN6									
<model>_FUNCTIONLOCK_CATEGORY3_FSIM_DIAL									
<model>_FUNCTIONLOCK_CATEGORY3_FSIM_DIAL_SETTING									

**Remarks**

This function can be used in State S3.

**See Also**

GetFunctionLockCategory

4.2.10.41. GetFunctionLockCategory

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

Description

Gets the FUNCTION SELECTIONS for SELECTED FUNCTION LOCK.

Syntax

```
[X-S10/X-H2S]
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    unsigned long* pulCategory1,
    unsigned long* pulCategory2,
    unsigned long* pulCategory3
);

[Other models]
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    unsigned long* pulCategory1,
    unsigned long* pulCategory2
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetFunctionLockCategory
lAPIParam	(IN)	<model>_API_PARAM_GetFunctionLockCategory
pulCategory1	(OUT)	See pulCategory1 of “SetFunctionLockCategory”
pulCategory2	(OUT)	See pulCategory2 of “SetFunctionLockCategory”
pulCategory3	(OUT)	See pulCategory3 of “SetFunctionLockCategory”

**Remarks**

This function can be used in State S3.

**See Also**

SetFunctionLockCategory

4.2.10.42. CapFormatMemoryCard

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA 55
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported memory card slots.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plCategory
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapFormatMemoryCard
lAPIParam	(IN)	<model>_API_PARAM_CapFormatMemoryCard
plNum	(OUT)	Returns the number of “FormatMemoryCard” settings supported.
plCategory	(OUT)	

<model>_ITEM_MEDIASLOT1	The card in the media slot 1
<model>_ITEM_MEDIASLOT2	The card in the media slot 2
<model>_ITEM_MEDIASLOT3	[GFX100II/GFX100SII/X-M5/GFX100RF /GFX ETERNA 55] External storage (SSD)

Remarks

This function is available in PC PRIORITY MODE only.  
This function can be used in State S3.

See Also

4.2.10.43. FormatMemoryCard

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA 55
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

Description

Executes the FORMAT procedure.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lCategory  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_FormatMemoryCard	
lAPIParam	(IN)	<model>_API_PARAM_FormatMemoryCard	
lCategory	(IN)	Select the FORMAT target slot.	
		<model>_ITEM_MEDIASLOT1	The card in the media slot 1
		<model>_ITEM_MEDIASLOT2	The card in the media slot 2
		<model>_ITEM_MEDIASLOT3	[GFX100II/GFX100SII/X-M5/GFX100RF /GFX ETERNA 55] External storage (SSD)

Remarks

- This function is available in PC PRIORITY MODE only.
- This function can be used in State S3.

See Also

MODEL DEPENDENT API

**4.2.10.44. CapCustomDispInfo****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
				✓				✓	✓	✓	✓									✓	✓	✓	✓

**Description**

Queries the supported DISP. CUSTOM SETTINGS.

**Syntax**

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum1,
    long* plNum2,
    unsigned long* pSetting1,
    unsigned long* pSetting2,
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Parameters**

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapCustomDispInfo
lAPIParam	(IN)	<model>_API_PARAM_CapCustomDispInfo
plNum1	(OUT)	Returns the number of SetCustomDispInfo Setting1 settings supported
plNum2	(OUT)	Returns the number of SetCustomDispInfo Setting2 settings supported
pSetting1	(OUT)	See setting1 of “SetCustomDispInfo”
pSetting2	(OUT)	See setting2 of “SetCustomDispInfo”

**Remarks**

This function can be used in State S3.

**See Also**

SetCustomDispInfo

4.2.10.45. SetCustomDispInfo

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the DISP. CUSTOM SETTING.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    unsigned long setting1,  
    unsigned long setting2  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.  
lAPICode (IN) <model>\_API\_CODE\_SetCustomDispInfo  
lAPIParam (IN) <model>\_API\_PARAM\_SetCustomDispInfo  
setting1 (IN) To specify items to enable/disable in bitmap fields.

<model>_CUSTOMDISPINFO_FRAMEGUIDE	FRAME GUIDE
<model>_CUSTOMDISPINFO_ELECTRONLEVEL	ELECTRON LEVEL
<model>_CUSTOMDISPINFO_AFDISTANCE	AF DISTANCE
<model>_CUSTOMDISPINFO_MFDISTANCE	MF DISTANCE
<model>_CUSTOMDISPINFO_HISTOGRAM	HISTOGRAM
<model>_CUSTOMDISPINFO_EXPOSUREPARAM	EXPOSURE PARAM
<model>_CUSTOMDISPINFO_EXPOSUREBIAS	EXPOSURE BIAS
<model>_CUSTOMDISPINFO_PHOTOMETRY	PHOTOMETRY
<model>_CUSTOMDISPINFO_FLASH	FLASH
<model>_CUSTOMDISPINFO_WB	WB
<model>_CUSTOMDISPINFO_FILMSIMULATION	FILM SIMULATION
<model>_CUSTOMDISPINFO_DRANGE	D RANGE
<model>_CUSTOMDISPINFO_FRAMESREMAIN	FRAMES REMAIN

<model>_CUSTOMDISPINFO_IMAGESIZEQUALITY	IMAGESIZE QUALITY
<model>_CUSTOMDISPINFO_BATTERY	BATTERY
<model>_CUSTOMDISPINFO_FOCUSFRAME	FOCUS FRAME
<model>_CUSTOMDISPINFO_SHOOTINGMODE	SHOOTING MODE
<model>_CUSTOMDISPINFO_INFORMATIONBACKGROUND	INFORMATION BACKGROUND
<model>_CUSTOMDISPINFO_FOCUSMODE	FOCUS MODE
<model>_CUSTOMDISPINFO_SHUTTERTYPE	SHUTTER TYPE
<model>_CUSTOMDISPINFO_CONTINUOUSMODE	CONTINUOUS MODE
<model>_CUSTOMDISPINFO_DUALISMODE	DUAL IS MODE
<model>_CUSTOMDISPINFO_MOVIEMODE	MOVIE MODE
<model>_CUSTOMDISPINFO_BLURWARNING	BLUR WARNING
<model>_CUSTOMDISPINFO_LIVEVIEWHIGHT	LIVE VIEW HIGHT
<model>_CUSTOMDISPINFO_EXPOSUREBIASDIGIT	EXPOSURE BIAS DIGIT
<model>_CUSTOMDISPINFO_TOUCHSCREENMODE	TOUCH SCREEN MODE
<model>_CUSTOMDISPINFO_BOOSTMODE	BOOS TMODE
<model>_CUSTOMDISPINFO_IMAGETRANSFERORDER	IMAGE TRANSFER ORDER
<model>_CUSTOMDISPINFO_MICLEVEL	MIC LEVEL
<model>_CUSTOMDISPINFO_GUIDANCEMESSAGE	GUIDANCE MESSAGE
<model>_CUSTOMDISPINFO_FRAMEOUTLINE	FRAMEOUT LINE

The supported items vary with the camera models.

setting2

(IN) To specify items to enable/disable in bitmap fields.

<model>_CUSTOMDISPINFO_35MMFORMAT	35MM FORMAT
<model>_CUSTOMDISPINFO_COOLINGFANSETTING	COOLING FAN SETTING
<model>_CUSTOMDISPINFO_DIGITALTELECONV	DIGITAL TELECONV
<model>_CUSTOMDISPINFO_DIGITALZOOM	DIGITAL ZOOM
<model>_CUSTOMDISPINFO_FOCUSMARK	FOCUS MARK
<model>_CUSTOMDISPINFO_CARDMESSAGE	CARD MESSAGE
<model>_CUSTOMDISPINFO_DATETIME	DATE TIME
<model>_CUSTOMDISPINFO_LENSSHIFT	LENS SHIFT
<model>_CUSTOMDISPINFO_LENSTILT	LENS TILT
<model>_CUSTOMDISPINFO_LENSREVOLVING	LENS REVOLVING
<model>_CUSTOMDISPINFO_SSD	SSD
<model>_CUSTOMDISPINFO_VLOGMODE	VLOGMODE

The supported items vary with the camera models.

Remarks

---

This function can be used in State S3.

**See Also**

GetCustomDispInfo

4.2.10.46. GetCustomDispInfo

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the DISP. CUSTOM SETTING.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    unsigned long* pSetting1,
    unsigned long* pSetting2
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetCustomDispInfo
lAPIParam	(IN)	<model>_API_PARAM_GetCustomDispInfo
pSetting1	(OUT)	See pSetting1 of “SetCustomDispInfo”
pSetting2	(OUT)	See pSetting2 of “SetCustomDispInfo”

Remarks

This function can be used in State S3.

See Also

SetCustomDispInfo

MODEL DEPENDENT API

4.2.10.47. GetTransparentFrameInfo

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																					✓	

Description

Gets the Transparent frame information.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    SDK_TransparentFrameInfo* pFrameInfo
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetTransparentFrameInfo
lAPIParam	(IN)	<model>_API_PARAM_GetTransparentFrameInfo
pFrameInfo	(OUT)	ointer to a structure (SDK_TransparentFrameInfo) table.

```
typedef struct {
    long IX;
    long IY;
    long lLength_H;
    long lLength_V;
    long lAlpha;
} SDK_TrackingAfFrameInfo;
```

IX:  
Frame origin position in percent (100%=1024)  
IY:  
Frame origin position in percent (100%=1024)  
lLength\_H:  
Horizontal line length in percent (100%=1024)

lLength\_V:  
Vertical line length in percent (100%=1024)  
lAlpha:  
Transparency, 0~100(%)

**Remarks**

This function can be used in State S3.

**See Also**

None

4.2.10.48. CapMaskSetting

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																						✓	

Description

Queries the supported SURROUND VIEW settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting,
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapMaskSetting
lAPIParam	(IN)	<model>_API_PARAM_CapMaskSetting
plNum	(OUT)	Returns the number of SetMaskSetting Setting settings supported
pSetting	(OUT)	See lSetting of “SetMaskSetting”

Remarks

This function can be used in State S3.

See Also

SetMaskSetting, GetMaskSetting

4.2.10.49. SetMaskSetting

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																					✓	

Description

Sets the SURROUND VIEW setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetMaskSetting	
lAPIParam	(IN)	<model>_API_PARAM_SetMaskSetting	
lSetting	(IN)		
		<model>_ MASKSETTING_BLACK	BLACK
		<model>_ MASKSETTING_TRANSPARENT	SEMI-TRANSPARENT
		<model>_ MASKSETTING_BRIGHTFRAME	LINE

Remarks

This function can be used in State S3.

See Also

CapMaskSetting, GetMaskSetting

MODEL DEPENDENT API

4.2.10.50. GetMaskSetting

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																					✓	

Description

Gets the SURROUND VIEW setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plSetting,  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMaskSetting
lAPIParam	(IN)	<model>_API_PARAM_GetMaskSetting
pSetting	(OUT)	See lSetting of “SetMaskSetting”

Remarks

This function can be used in State S3.

See Also

CapMaskSetting, SetMaskSetting

4.2.11. Image Stabilization

4.2.11.1. CapLensISSwitch

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA5S
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

Description

Queries the available lens IS switch settings to set.

Syntax

```
APIENTRY XSDK_CapProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* pNumLensISSwitch,  
    long* pLensISSwitch  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapLensISSwitch
lAPIParam	(IN)	<model>_API_PARAM_CapLensISSwitch
pNumLensISSwitch	(OUT)	Returns the number supported SetLensISSwitch setting.
pLensISSwitch	(OUT)	If not NULL, pLensISSwitch will return a list of the SetLensISSwitch supported.

Allocate sizeof(long) \* (\*pNumLensISSwitch) bytes of space before calling this function.

<model>_ON	ON
<model>_OFF	OFF

Remarks

This function can be used in State S3.

See Also

SetLensISSwitch, GetLensISSwitch

4.2.11.2. SetLensISSwitch

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

Description

Sets the lens IS switch mode.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lISSwitch  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetLensISSwitch	
lAPIParam	(IN)	<model>_API_PARAM_SetLensISSwitch	
lISSwitch	(IN)		
		<model>_ON	ON
		<model>_OFF	OFF

Remarks

This function can be used in State S3. PC priority mode only.

See Also

CapLensISSwitch, GetLensISSwitch

4.2.11.3. GetLensISSwitch

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

Description

Gets the lens IS switch mode.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plISSwitch  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_GetLensISSwitch	
lAPIParam	(IN)	<model>_API_PARAM_GetLensISSwitch	
plISSwitch	(OUT)		
		<model>_ON	ON
		<model>_OFF	OFF

Remarks

This function can be used in State S3.

See Also

CapLensISSwitch, SetLensISSwitch

MODEL DEPENDENT API

4.2.11.4. CapISMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	

Description

Queries supported lens IS MODE settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plISMode
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.		
lAPICode	(IN)	<model>_API_CODE_CapISMode		
lAPIParam	(IN)	<model>_API_PARAM_CapISMode		
plNum	(OUT)	Returns the number of “SetISMode” settings supported.		
plISMode	(OUT)	<model>_IS_MODE_CONTINUOUS	0x0001	Continuous
		<model>_IS_MODE_SHOOT	0x0002	Shoot
		<model>_IS_MODE_OFF	0x0003	OFF
		<model>_IS_MODE_CONTINUOUS_MOTION	0x0005	Continuous Motion
		<model>_IS_MODE_SHOOT_MOTION	0x0006	Shoot Motion

Remarks

This function can be used in State S3.

See Also

SetISMode

MODEL DEPENDENT API

4.2.11.5. SetISMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
		✓	✓	✓		✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Sets the IS MODE setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lISMode  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.															
lAPICode	(IN)	<model>_API_CODE_SetISMode															
lAPIParam	(IN)	<model>_API_PARAM_SetISMode															
lISMode	(IN)	<table><tr><td>&lt;model&gt;_IS_MODE_CONTINUOUS</td><td>0x0001</td><td>Continuous</td></tr><tr><td>&lt;model&gt;_IS_MODE_SHOOT</td><td>0x0002</td><td>Shoot</td></tr><tr><td>&lt;model&gt;_IS_MODE_OFF</td><td>0x0003</td><td>OFF</td></tr><tr><td>&lt;model&gt;_IS_MODE_CONTINUOUS_MOTION</td><td>0x0005</td><td>Continuous Motion</td></tr><tr><td>&lt;model&gt;_IS_MODE_SHOOT_MOTION</td><td>0x0006</td><td>Shoot Motion</td></tr></table>	<model>_IS_MODE_CONTINUOUS	0x0001	Continuous	<model>_IS_MODE_SHOOT	0x0002	Shoot	<model>_IS_MODE_OFF	0x0003	OFF	<model>_IS_MODE_CONTINUOUS_MOTION	0x0005	Continuous Motion	<model>_IS_MODE_SHOOT_MOTION	0x0006	Shoot Motion
<model>_IS_MODE_CONTINUOUS	0x0001	Continuous															
<model>_IS_MODE_SHOOT	0x0002	Shoot															
<model>_IS_MODE_OFF	0x0003	OFF															
<model>_IS_MODE_CONTINUOUS_MOTION	0x0005	Continuous Motion															
<model>_IS_MODE_SHOOT_MOTION	0x0006	Shoot Motion															

Remarks

This function can be used in State S3.

See Also

GetISMode

MODEL DEPENDENT API

4.2.11.6. GetISMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Gets the IS MODE setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plISMode  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetISMode
lAPIParam	(IN)	<model>_API_PARAM_GetISMode
plISMode	(OUT)	See IISMode of “SetISMode”.

Remarks

This function can be used in State S3.

See Also

SetISMode

4.2.12. Save Image Meta-tag Information

4.2.12.1. SetComment

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20					GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA 55
		✓	✓	✓		✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓

Description

Sets the comment tag strings to be saved in images.  
Once set, the tag will be saved with all pictures taken, whether or not they are taken in tethering mode.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    LPSTR pComment  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_SetComment
lAPIParam	(IN)	<model>_API_PARAM_SetComment
pComment	(IN)	The comment in ASCII string. Up to 256 byte including NULL termination.

Remarks

This function can be used in State S3.

See Also

GetComment

MODEL DEPENDENT API

4.2.12.2. GetComment

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

Description

Gets the comment tag strings to be saved in images.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    LPSTR pComment  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetComment
lAPIParam	(IN)	<model>_API_PARAM_GetComment
pComment	(OUT)	The comment in ASCII string Allocate at least 256 bytes before calling this function.

Remarks

This function can be used in State S3.

See Also

SetComment

4.2.12.3. SetCopyright

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

Description

Sets the copyright tag strings to be saved in images.  
Once set, the tag will be saved with all pictures taken, whether or not they are taken in tethering mode.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    LPSTR pCopyright1,  
    LPSTR pCopyright2  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_SetCopyright
lAPIParam	(IN)	<model>_API_PARAM_SetCopyright
pCopyright1	(IN)	An ASCII string of up to 256 bytes, including NULL termination.
pCopyright2	(IN)	An ASCII string of up to 256 bytes, including NULL termination.

Remarks

This function can be used in State S3.

See Also

GetCopyright

4.2.12.4. GetCopyright

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

Description

Gets the copyright tag strings to be saved in images.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    LPSTR pCopyright1,
    LPSTR pCopyright2
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetCopyright
lAPIParam	(IN)	<model>_API_PARAM_GetCopyright
pCopyright1	(OUT)	Returns the first copyright string. Allocate a total of at least 512 bytes before calling this function.
pCopyright2	(OUT)	Returns the second copyright string. Allocate a total of at least 512 bytes before calling this function.

Remarks

This function can be used in State S3.

See Also

SetCopyright

4.2.13. Camera Information

4.2.13.1. CheckBatteryInfo

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA 55
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

Description

Gets the battery state.

Syntax

[GFX 100/GFX100S/X-H2S/ X-H2/X-T5/X-S20/GFX100II/GFX100SII]

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plBodyBatteryInfo,
    long* plGripBatteryInfo,
    long* plGripBattery2Info,
    long* plBodyBatteryRatio,
    long* plGripBatteryRatio,
    long* plGripBattery2Ratio,
    long* plBodyBattery2Info,
    long* plBodyBattery2Info
);
```

[Other models]

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plBodyBatteryInfo,
    long* plGripBatteryInfo,
    long* plGripBattery2Info,
    long* plBodyBatteryRatio,
    long* plGripBatteryRatio,
    long* plGripBattery2Ratio,
    long* plBodyBattery2Info,
    long* plBodyBattery2Info
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters




“CheckBatteryInfo” uses XSDK\_GetProp().

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CheckBatteryInfo
lAPIParam	(IN)	<model>_API_PARAM_CheckBatteryInfo
plBodyBatteryInfo	(OUT)	Get the level of the battery in the body.

plBodyBattery2Info

plGripBatteryInfo

plGripBattery2Info

<model>_POWERCAPACITY_EMPTY	
<model>_POWERCAPACITY_END	
<model>_POWERCAPACITY_PREEND5	Less than 1/5th full in RED
<model>_POWERCAPACITY_20	1/5th full (20%)
<model>_POWERCAPACITY_40	2/5th full (40%)
<model>_POWERCAPACITY_60	3/5th full (60%)
<model>_POWERCAPACITY_80	4/5th full (80%)
<model>_POWERCAPACITY_100	5/5th full (100%)
<model>_POWERCAPACITY_DC	
<model>_POWERCAPACITY_DC_CHARGE	Charging
<model>_POWERCAPACITY_FULL_CHARGE	full (100%)
<model>_POWERCAPACITY_CHARGING_ERROR	Charging Error
<model>_POWERCAPACITY_CAPACITY_UNKNOWN	Unknown Capacity

plBodyBatteryRatio	(OUT)	Returns the state of the corresponding battery in the camera or camera grip.as
plBodyBattery2Ratio		a value between 0 and 100.
pGripBatteryRatio		
pGripBattery2Ratio		

Remarks

This function can be used in State S3.

See Also

4.2.13.2. GetShutterCount

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Gets the shutter counter.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plShutterCount,
    long* plTotalShutterCount,
    long* plExchangeCount
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetShutterCount
lAPIParam	(IN)	<model>_API_PARAM_GetShutterCount
plShutterCount	(OUT)	Returns the count for the current shutter.
plTotalShutterCount	(OUT)	Returns the count for the all shutters.
plExchangeCount	(OUT)	Returns the number of shutter units to be exchanged in repair center.

Remarks

This function can be used in State S3.

See Also

MODEL DEPENDENT API

4.2.13.3. GetShutterCountEx

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Gets the count for the front-curtain shutter.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plShutterCount,
    long* plTotalShutterCount,
    long* plExchangeCount
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetShutterCountEx
lAPIParam	(IN)	<model>_API_PARAM_GetShutterCountEx
plShutterCount	(OUT)	Returns the front-curtain count for the current shutter.
plTotalShutterCount	(OUT)	Returns the count for the all shutters.
plExchangeCount	(OUT)	Returns the number of shutter units to be exchanged in repair center.

Remarks

This function can be used in State S3.

See Also

MODEL DEPENDENT API

4.2.13.4. GetTiltShiftLensStatus

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																			✓	✓	✓	✓

Description

Gets tilt/shift lens status from the camera.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plTilt,
    long* plShift,
    long* plRotate
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetTiltShiftLensStatus
lAPIParam	(IN)	<model>_API_PARAM_GetTiltShiftLensStatus
plTilt	(OUT)	Ten times value of the tilt amount in degree. 0xFFFFFFFF shows undetectable lens.
plShift	(OUT)	Ten times value of the shift amount in mm. 0xFFFFFFFF shows undetectable lens.
plRotate	(OUT)	Ten times value of the rotate amount in degree. 0xFFFFFFFF shows undetectable lens.

Note

plShift :  
The shift amount of tilt/shift lenses. It describes the 10 times value of the shift amount in mm.  
For example, when the shift amount is 10.5 mm, the value 105 is recorded.  
The value is from -32767 to 32768 (from -3276.8mm to 3276.7mm).  
When the lens is rotated 90 degree CW (\*plRotate=900) looking from the photographer, the right direction looking from the photographer will be the positive direction.

plRotate:

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---

The rotation angle of tilt/shift lenses. It describes the 10 times value of the rotation angle in degree. The positive direction is CW looking from the photographer.

For example, when the lens is rotated 22.5 degree CCW looking from the photographer, the value will be -225.

The value is from -3599 to 3599 (from -359.9 degree to 359.9 degree).

**Remarks**

This function can be used in State S3.

4.2.14. Media Control

4.2.14.1. GetMediaCapacity

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
		✓	✓	✓		✓	✓	✓	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓

Description

Gets recording media capacity.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lCategory,  
    long* plBlankFrameNum,  
    long* plRemainSectorNum,  
    long* plSectorSize,  
    long* plCardSize  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_GetMediaCapacity	
lAPIParam	(IN)	<model>_API_PARAM_GetMediaCapacity	
lCategory	(IN)	Select the target storage media slot.	
		<model>_ITEM_MEDIASLOT1	The storage card in the media slot 1
		<model>_ITEM_MEDIASLOT2	The storage card in the media slot 2
		<model>_ITEM_MEDIASLOT3	[GFX100II/GFX100SII] External storage (SSD)
plBlankFrameNum	(OUT)	Number of blank frames	
plRemainSectorNum	(OUT)	Number of remaining sectors	
plSectorSize	(OUT)	Sector size	
plCardSize	(OUT)	Card capacity	

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<model>_MEDIASIZE_1M	1 MB
<model>_MEDIASIZE_2M	2 MB
<model>_MEDIASIZE_4M	4 MB
<model>_MEDIASIZE_8M	8 MB
<model>_MEDIASIZE_16M	16 MB
<model>_MEDIASIZE_32M	32 MB
<model>_MEDIASIZE_64M	64 MB
<model>_MEDIASIZE_128M	128 MB
<model>_MEDIASIZE_256M	256 MB
<model>_MEDIASIZE_512M	512 MB
<model>_MEDIASIZE_1G	1 GB
<model>_MEDIASIZE_2G	2 GB
<model>_MEDIASIZE_4G	4 GB
<model>_MEDIASIZE_8G	8 GB
<model>_MEDIASIZE_16G	16 GB
<model>_MEDIASIZE_32G	32 GB
<model>_MEDIASIZE_32G_OVER	64 GB or more

**Remarks**

This function can be used in State S3.

**See Also**

**4.2.14.2. GetMediaStatus****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

**Description**

Gets recording media status.

**Syntax**

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lCategory,
    long* plStatus
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Parameters**

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_GetMediaStatus

lAPIParam (IN) <model>\_API\_PARAM\_GetMediaStatus

lCategory (IN) Select the target storage media slot.

<model>_ITEM_MEDIASLOT1	The storage card in the media slot 1
<model>_ITEM_MEDIASLOT2	The storage card in the media slot 2
<model>_ITEM_MEDIASLOT3	[GFX100II/GFX100SII] External storage (SSD)
<model>_ITEM_HDMIOUTPUT	[X-H2/X-T5/X-S20/GFX100II/GFX100SII] HDMI output

plStatus (OUT)

<model>_MEDIASSTATUS_OK	OK
<model>_MEDIASSTATUS_WRITEPROTECTED	Write protected
<model>_MEDIASSTATUS_NOCARD	No card
<model>_MEDIASSTATUS_UNFORMATTED	Unformatted
<model>_MEDIASSTATUS_ERROR	Some error on the media
<model>_MEDIASSTATUS_MAXNO	Frame number goes to 9999

<model>_MEDIASTATUS_FULL	Card full
<model>_MEDIASTATUS_ACCESSING	Accessing
<model>_MEDIASTATUS_INCOMPATIBLE	Incompatible

Remarks

This function can be used in State S3.

See Also

## 4.2.15. Display Control

## 4.2.15.1. CapMFAssistMode

## Supported Cameras

	X-T3	X-T4	X-T5	X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5		GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA 55
			✓			✓	✓	✓	✓							✓	✓	✓	

## Description

Queries supported MF ASSIST MODE settings.

## Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plAssistMode
);
```

## Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

## Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapMFAssistMode
lAPIParam	(IN)	<model>_API_PARAM_CapMFAssistMode
plNum	(OUT)	Returns the number of “SetMFAssistMode” settings supported.
plAssistMode	(OUT)	

<model>_MF_ASSIST_STANDARD	Standard
<model>_MF_ASSIST_SPLIT_BW	Split image in black and white
<model>_MF_ASSIST_SPLIT_COLOR	Split image in color
<model>_MF_ASSIST_PEAK_WHITE_L	Focus peak highlight in low white
<model>_MF_ASSIST_PEAK_WHITE_H	Focus peak highlight in high white
<model>_MF_ASSIST_PEAK_RED_L	Focus peak highlight in low red
<model>_MF_ASSIST_PEAK_RED_H	Focus peak highlight in high red
<model>_MF_ASSIST_PEAK_BLUE_L	Focus peak highlight in low blue
<model>_MF_ASSIST_PEAK_BLUE_H	Focus peak highlight in high blue
<model>_MF_ASSIST_PEAK_YELLOW_L	Focus peak highlight in low yellow
<model>_MF_ASSIST_PEAK_YELLOW_H	Focus peak highlight in high yellow

<model>_MF_ASSIST_MICROPRISM	Micro-prism
------------------------------	-------------

**Remarks**

This function can be used in State S3.

**See Also**

SetMFAssistMode

MODEL DEPENDENT API

4.2.15.2. SetMFAssistMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Sets the MF ASSIST MODE setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lAssistMode  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetMFAssistMode	
lAPIParam	(IN)	<model>_API_PARAM_SetMFAssistMode	
lAssistMode	(IN)		
		<model>_MF_ASSIST_STANDARD	Standard
		<model>_MF_ASSIST_SPLIT_BW	Split image in black and white
		<model>_MF_ASSIST_SPLIT_COLOR	Split image in color
		<model>_MF_ASSIST_PEAK_WHITE_L	Focus peak highlight in low white
		<model>_MF_ASSIST_PEAK_WHITE_H	Focus peak highlight in high white
		<model>_MF_ASSIST_PEAK_RED_L	Focus peak highlight in low red
		<model>_MF_ASSIST_PEAK_RED_H	Focus peak highlight in high red
		<model>_MF_ASSIST_PEAK_BLUE_L	Focus peak highlight in low blue
		<model>_MF_ASSIST_PEAK_BLUE_H	Focus peak highlight in high blue
		<model>_MF_ASSIST_PEAK_YELLOW_L	Focus peak highlight in low yellow
		<model>_MF_ASSIST_PEAK_YELLOW_H	Focus peak highlight in high yellow
		<model>_MF_ASSIST_MICROPRISM	Micro-prism

The options supported vary with the camera model.

Remarks

---

This function can be used in State S3.

**See Also**

GetMFAssistMode

4.2.15.3. GetMFAssistMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Gets the MF ASSIST MODE setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plAssistMode  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMFAssistMode
lAPIParam	(IN)	<model>_API_PARAM_GetMFAssistMode
plAssistMode	(OUT)	See lAssistMode of “SetMFAssistMode”.

Remarks

This function can be used in State S3.

See Also

SetMFAssistMode

4.2.15.4. CapFocusCheckMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	

Description

Queries supported FOCUS CHECK MODE settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plFocusCheckMode
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapFocusCheckMode
lAPIParam	(IN)	<model>_API_PARAM_CapFocusCheckMode
plNum	(OUT)	Returns the number of “SetFocusCheckMode” settings supported.
plFocusCheckMode	(OUT)	See lFocusCheckMode of “SetFocusCheckMode”.

Remarks

This function can be used in State S3.

See Also

SetFocusCheckMode

MODEL DEPENDENT API

4.2.15.5. SetFocusCheckMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Sets the FOCUS CHECK MODE setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lFocusCheckMode  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetFocusCheckMode	
lAPIParam	(IN)	<model>_API_PARAM_SetFocusCheckMode	
IFocusCheckMode	(IN)		
		<model>_ON	ON
		<model>_OFF	OFF

Remarks

This function can be used in State S3.

See Also

GetFocusCheckMode

4.2.15.6. GetFocusCheckMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Gets the FOCUS CHECK MODE setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plFocusCheckMode  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetFocusCheckMode
lAPIParam	(IN)	<model>_API_PARAM_GetFocusCheckMode
plFocusCheckMode	(OUT)	See lFocusCheckMode of “SetFocusCheckMode”.

Remarks

This function can be used in State S3.

See Also

SetFocusCheckMode

4.2.15.7. CapViewMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	

Description

Queries supported VIEW MODE settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lCategory,
    long* plNum,
    long* plViewMode
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapViewMode
lAPIParam	(IN)	<model>_API_PARAM_CapViewMode
lCategory	(IN)	See lCategory of “SetViewMode”.
plNum	(OUT)	Returns the number of “SetViewMode” settings supported.
plViewMode	(OUT)	

<model>_VIEW_MODE_EYE	EYE SENSOR
<model>_VIEW_MODE_EVF	EVF ONLY
<model>_VIEW_MODE_LCD	LCD ONLY
<model>_VIEW_MODE_EVF_EYE	EVF ONLY+EYE SENSOR
<model>_VIEW_MODE_LCDPOSTVIEW	EYE SENSOR + LCD IMAGE DISP.

Remarks

This function can be used in State S3.

See Also

**4.2.15.8. SetViewMode****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

**Description**

Sets the VIEW MODE setting.

**Syntax**

```
APIENTRY XSDK_SetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lCategory,
    long lViewMode
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Parameters**

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetViewMode

lAPIParam (IN) <model>\_API\_PARAM\_SetViewMode

lCategory (IN) Specify the target operating mode to set the ViewMode.

<model>_ITEM_VIEWMODE_SHOOT	The shooting mode
<model>_ITEM_VIEWMODE_PLAYBACK	The playback mode

lViewMode (IN)

<model>_VIEW_MODE_EYE	EYE SENSOR
<model>_VIEW_MODE_EVF	EVF ONLY
<model>_VIEW_MODE_LCD	LCD ONLY
<model>_VIEW_MODE_EVF_EYE	EVF ONLY+EYE SENSOR

**Remarks**

This function can be used in State S3.

**See Also**

4.2.15.9. GetViewMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	

Description

Gets the VIEW MODE setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lCategory,  
    long* pIViewMode  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetViewMode
lAPIParam	(IN)	<model>_API_PARAM_GetViewMode
lCategory	(IN)	See lCategory of “SetViewMode”.
pIViewMode	(OUT)	See IViewModeof “SetViewMode”.

Remarks

This function can be used in State S3.

See Also

MODEL DEPENDENT API

4.2.16. Live View

4.2.16.1. StartLiveView

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA 55
		✓	✓	✓		✓	✓	✓	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓

Description

Starts live view.  
This function is available in PC PRIORITY mode only.  
It will return BUSY unless the ReadImage buffer is empty.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE  hCamera,  
    long lAPICode,  
    long lAPIParam,  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_StartLiveView
lAPIParam	(IN)	<model>_API_PARAM_StartLiveView

Remarks

This function can be used in State S3.

See Also

4.2.16.2. StopLiveView

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

Description

Ends live view.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_StopLiveView
lAPIParam	(IN)	<model>_API_PARAM_StopLiveView

Remarks

This function can be used in State S3.

See Also

4.2.16.3. CapLiveViewImageQuality

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported live view image quality settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plQuality
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.					
lAPICode	(IN)	<model>_API_CODE_CapLiveViewImageQuality					
lAPIParam	(IN)	<model>_API_PARAM_CapLiveViewImageQuality.					
plNum	(OUT)	Returns the number of “SetLiveViewImageQuality” settings supported.					
plQuality	(OUT)	<table><tr><td>&lt;model&gt;_LIVEVIEW_QUALITY_FINE</td><td>FINE</td></tr><tr><td>&lt;model&gt;_LIVEVIEW_QUALITY_BASIC</td><td>BASIC</td></tr></table>		<model>_LIVEVIEW_QUALITY_FINE	FINE	<model>_LIVEVIEW_QUALITY_BASIC	BASIC
<model>_LIVEVIEW_QUALITY_FINE	FINE						
<model>_LIVEVIEW_QUALITY_BASIC	BASIC						

Remarks

This function can be used in State S3.

See Also

SetLiveViewImageQuality

4.2.16.4. SetLiveViewImageQuality

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

Description

Sets the live view image quality setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lQuality  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera,	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetLiveViewImageQuality	
lAPIParam	(IN)	<model>_API_PARAM_SetLiveViewImageQuality	
lQuality	(IN)		
		<model>_LIVEVIEW_QUALITY_FINE	FINE
		<model>_LIVEVIEW_QUALITY_BASIC	BASIC

Remarks

This function can be used in State S3.

See Also

GetLiveViewImageQuality

4.2.16.5. GetLiveViewImageQuality

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

Description

Gets the live view image quality setting.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plQuality
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetLiveViewImageQuality
lAPIParam	(IN)	<model>_API_PARAM_GetLiveViewImageQuality
plQuality	(OUT)	See lQuality of “SetLiveViewImageQuality”.

Remarks

This function can be used in State S3.

See Also

SetLiveViewImageQuality

MODEL DEPENDENT API

4.2.16.6. CapLiveViewImageSize

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported live view image size settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSize
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_CapLiveViewImageSize	
lAPIParam	(IN)	<model>_API_PARAM_CapLiveViewImageSize	
plNum	(OUT)	Returns the number of “SetLiveViewImageSize” settings supported.	
plSize	(OUT)		
		<model>_LIVEVIEW_SIZE_L	Width approximately 1024 pixels
		<model>_LIVEVIEW_SIZE_M	Width approximately 640 pixels
		<model>_LIVEVIEW_SIZE_S	Width approximately 320 pixels

Remarks

This function can be used in State S3.

See Also

SetLiveViewImageSize

4.2.16.7. SetLiveViewImageSize

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

Description

Sets the live view image size setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSize  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetLiveViewImageSize	
lAPIParam	(IN)	<model>_API_PARAM_SetLiveViewImageSize	
lSize	(IN)		
		<model>_LIVEVIEW_SIZE_L	Width approximately 1024 pixels
		<model>_LIVEVIEW_SIZE_M	Width approximately 640 pixels
		<model>_LIVEVIEW_SIZE_S	Width approximately 320 pixels

Remarks

This function can be used in State S3.

See Also

GetLiveViewImageSize

MODEL DEPENDENT API

4.2.16.8. GetLiveViewImageSize

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

Description

Gets the live view image size setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plSize  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetLiveViewImageSize
lAPIParam	(IN)	<model>_API_PARAM_GetLiveViewImageSize
plSize	(OUT)	See lSize of “SetLiveViewImageSize”.

Remarks

This function can be used in State S3.

See Also

SetLiveViewImageSize

4.2.16.9. CapThroughImageZoom

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported live view zoom ratio settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plZoom
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapThroughImageZoom
lAPIParam	(IN)	<model>_API_PARAM_CapThroughImageZoom
plNum	(OUT)	Returns the number of “SetThroughImageZoom” settings supported.
plZoom	(OUT)	

<model>_THROUGH_ZOOM_10	x 1.0
<model>_THROUGH_ZOOM_25	x 2.5
<model>_THROUGH_ZOOM_40	x 4.0
<model>_THROUGH_ZOOM_60	x 6.0
<model>_THROUGH_ZOOM_80	x 8.0
<model>_THROUGH_ZOOM_160	x 16.0
<model>_THROUGH_ZOOM_240	x 24.0
<model>_THROUGH_ZOOM_20	x2.0
<model>_THROUGH_ZOOM_33	x3.3
<model>_THROUGH_ZOOM_66	x6.6
<model>_THROUGH_ZOOM_131	x13.1
<model>_THROUGH_ZOOM_197	x19.7

MODEL DEPENDENT API

<model>_THROUGH_ZOOM_83	X8.3
<model>_THROUGH_ZOOM_170	X17.0
<model>_THROUGH_ZOOM_68	X6.8
<model>_THROUGH_ZOOM_140	X14.0
<model>_THROUGH_ZOOM_120	X12.0

Remarks

This function can be used in State S3.

See Also

SetThroughImageZoom

4.2.16.10. SetThroughImageZoom

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

Description

Sets the live view zoom ratio setting (and also LCD image zoom ratio setting).

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lZoom  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera,	(IN)	The camera handle.											
lAPICode	(IN)	<model>_API_CODE_SetThroughImageZoom											
lAPIParam	(IN)	<model>_API_PARAM_SetThroughImageZoom											
lZoom	(IN)	<b>[X-H2S/X-H2/X-T5/X-S20]</b> <table><tr><td>&lt;model&gt;_THROUGH_ZOOM_10</td><td>x 1.0</td></tr><tr><td>&lt;model&gt;_THROUGH_ZOOM_25</td><td>x 2.5</td></tr><tr><td>&lt;model&gt;_THROUGH_ZOOM_40</td><td>x 4.0</td></tr><tr><td>&lt;model&gt;_THROUGH_ZOOM_80</td><td>x 8.0</td></tr><tr><td>&lt;model&gt;_THROUGH_ZOOM_120</td><td>x 12.0</td></tr></table>		<model>_THROUGH_ZOOM_10	x 1.0	<model>_THROUGH_ZOOM_25	x 2.5	<model>_THROUGH_ZOOM_40	x 4.0	<model>_THROUGH_ZOOM_80	x 8.0	<model>_THROUGH_ZOOM_120	x 12.0
<model>_THROUGH_ZOOM_10	x 1.0												
<model>_THROUGH_ZOOM_25	x 2.5												
<model>_THROUGH_ZOOM_40	x 4.0												
<model>_THROUGH_ZOOM_80	x 8.0												
<model>_THROUGH_ZOOM_120	x 12.0												

[Other X models]

<model>_THROUGH_ZOOM_10	x 1.0
<model>_THROUGH_ZOOM_25	x 2.5
<model>_THROUGH_ZOOM_60	x 6.0

[GFX 50S/GFX 50R]

GFX50S_THROUGH_ZOOM_10	x 1.0
GFX50S_THROUGH_ZOOM_25	x 2.5

MODEL DEPENDENT API

GFX50S_THROUGH_ZOOM_40	x 4.0
GFX50S_THROUGH_ZOOM_80	x 8.0
GFX50S_THROUGH_ZOOM_160	x 16.0
GFX50S_THROUGH_ZOOM_20	x 2.0
GFX50S_THROUGH_ZOOM_33	x 3.3
GFX50S_THROUGH_ZOOM_66	x 6.6
GFX50S_THROUGH_ZOOM_131	x13.1

**[GFX50S II]**

GFX50SII_THROUGH_ZOOM_10	x 1.0
GFX50SII_THROUGH_ZOOM_25	x 2.5
GFX50SII_THROUGH_ZOOM_40	x 4.0
GFX50SII_THROUGH_ZOOM_83	x 8.3
GFX50SII_THROUGH_ZOOM_170	x 17.0
GFX50SII_THROUGH_ZOOM_20	x 2.0
GFX50SII_THROUGH_ZOOM_33	x 3.3
GFX50SII_THROUGH_ZOOM_68	x 6.8
GFX50SII_THROUGH_ZOOM_140	x14.0

**[GFX 100/GFX100S/GFX100II/GFX100SII/GFX ETERNA 55]**

GFX100_THROUGH_ZOOM_10	x 1.0
GFX100_THROUGH_ZOOM_25	x 2.5
GFX100_THROUGH_ZOOM_40	x 4.0
GFX100_THROUGH_ZOOM_80	x 8.0
GFX100_THROUGH_ZOOM_160	x 16.0
GFX100_THROUGH_ZOOM_240	x 24.0
GFX100_THROUGH_ZOOM_20	x20.0
GFX100_THROUGH_ZOOM_33	x33.0
GFX100_THROUGH_ZOOM_66	x66.0
GFX100_THROUGH_ZOOM_131	x13.1
GFX100_THROUGH_ZOOM_197	x19.7

**Remarks**

This function can be used in State S3.

**See Also**

GetThroughImageZoom

4.2.16.11. GetThroughImageZoom

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

Description

Gets the live view zoom ratio setting (and also LCD image zoom ratio setting).

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plZoom
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetThroughImageZoom
lAPIParam	(IN)	<model>_API_PARAM_GetThroughImageZoom
plZoom	(OUT)	See lSize of “SetThroughImageZoom”.

Remarks

This function can be used in State S3.

See Also

SetThroughImageZoom

MODEL DEPENDENT API

**4.2.16.12. GetLiveViewStatus****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA 55
				✓				✓	✓	✓	✓								✓	✓	✓	✓

**Description**

Gets live view status.

**Syntax**

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plStatus
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS

XSDK\_ERROR : ERROR

**Parameters**

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_GetLiveViewStatus

lAPIParam (IN) <model>\_API\_PARAM\_GetLiveViewStatus

plStatus (OUT)

<model>_ON	ON
<model>_OFF	OFF

**Remarks**

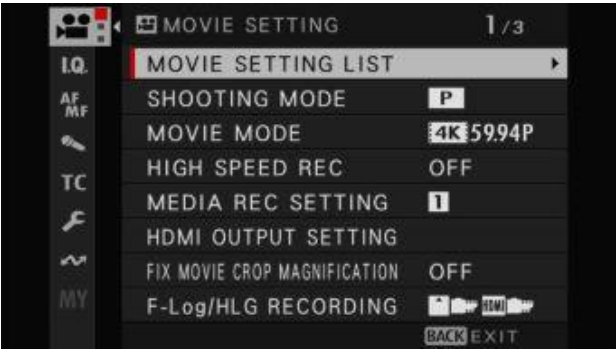
This function can be used in State S3.

**See Also**

CapLiveViewStatus

4.2.17. Movie Control – MOVIE SETTING

Control the settings that correspond to the following MOVIE SETTING menu.



APIs are available only when the STILL/MOVIE mode is in MOVIE mode.

4.2.17.1. CapMovieImageFormat

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																			✓			✓

Description

Queries supported IMAGE FORMAT settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plMode
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapMovieImageFormat
lAPIParam	(IN)	<model>_API_PARAM_CapMovieImageFormat
plNum	(OUT)	Returns the number of “SetMovieImageFormat” settings supported.
plMode	(OUT)	"SetMovieImageFormat" List of possible values.

<model>_MOVIE_IMAGEFORMAT_GF	GF
<model>_MOVIE_IMAGEFORMAT_35MM	35mm
<model>_MOVIE_IMAGEFORMAT_ANAMORPHIC_35MM	ANAMORPHIC (35mm)
<model>_MOVIE_IMAGEFORMAT_PREMISTA	Premista
<model>_MOVIE_IMAGEFORMAT_SUPER_35MM	Super 35mm

Remarks

This function can be used in State S3.

See Also

SetMovieImageFormat, GetMovieImageFormat

4.2.17.2. SetMovieImageFormat

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
																				✓			✓

Description

Sets the IMAGE FORMAT setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lMode  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_SetMovieImageFormat
lAPIParam	(IN)	<model>_API_PARAM_SetMovieImageFormat
lSetting	(IN)	Setting value (must be a configurable value obtained with CapMovieImageFormat).

Remarks

This function can be used in State S3.

See Also

CapMovieImageFormat, GetMovieImageFormat

MODEL DEPENDENT API

4.2.17.3. GetMovieImageFormat

Supported Cameras

GFX ETERNA 55	✓
GFX100RF	
GFX100S II	
GFX100 II	✓
GFX50S II	
GFX100S	
GFX100	
GFX 50R	
GFX 50S	
X-M5	
X-S20	
X-H2	
X-H2S	
X-S10	
X-Pro3	
X-T5	
X-T4	
X-T3	

Description

Gets the IMAGE FORMAT setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plSetting  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieImageFormat
lAPIParam	(IN)	<model>_API_PARAM_GetMovieImageFormat
plSetting	(OUT)	The current setting value obtained.

Remarks

This function can be used in State S3.

See Also

SetMovieImageFormat, GetMovieImageFormat

MODEL DEPENDENT API

4.2.17.4. CapAnamorphicDesqueezeDisplay

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																			✓			✓

Description

Queries supported DESQUEEZE DISPLAY IN RECODING settings.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.				
lAPICode	(IN)	<model>_API_CODE_CapAnamorphicDesqueezeDisplay				
lAPIParam	(IN)	<model>_API_PARAM_CapAnamorphicDesqueezeDisplay				
plNum	(OUT)	Returns the number of “SetAnamorphicDesqueezeDisplay” settings supported.				
plSetting	(OUT)	<table><tr><td>&lt;model&gt;_ON</td><td>ON</td></tr><tr><td>&lt;model&gt;_OFF</td><td>OFF</td></tr></table>	<model>_ON	ON	<model>_OFF	OFF
<model>_ON	ON					
<model>_OFF	OFF					

Remarks

This function can be used in State S3.

See Also

SetAnamorphicDesqueezeDisplay, GetAnamorphicDesqueezeDisplay

MODEL DEPENDENT API

4.2.17.5. SetAnamorphicDesqueezeDisplay

Supported Cameras

GFX ETERNA 55	✓
GFX100RF	
GFX100S II	
GFX100 II	✓
GFX50S II	
GFX100S	
GFX100	
GFX 50R	
GFX 50S	
X-M5	
X-S20	
X-H2	
X-H2S	
X-S10	
X-Pro3	
X-T5	
X-T4	
X-T3	

Description

Sets the DESQUEEZE DISPLAY IN RECODING setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetAnamorphicDesqueezeDisplay

lAPIParam (IN) <model>\_API\_PARAM\_SetAnamorphicDesqueezeDisplay

lSetting (IN)

<model>_ON	ON
<model>_OFF	OFF

Remarks

This function can be used in State S3.

See Also

CapAnamorphicDesqueezeDisplay, GetAnamorphicDesqueezeDisplay

4.2.17.6. GetAnamorphicDesqueezeDisplay

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																			✓			✓

Description

Get the DESQUEEZE DISPLAY IN RECODING setting.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_GetAnamorphicDesqueezeDisplay	
lAPIParam	(IN)	<model>_API_PARAM_GetAnamorphicDesqueezeDisplay	
plSetting	(OUT)		
		<model>_ON	ON
		<model>_OFF	OFF

Remarks

This function can be used in State S3.

See Also

CapAnamorphicDesqueezeDisplay, SetAnamorphicDesqueezeDisplay

4.2.17.7. CapAnamorphicMagnification

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA 55
																				✓			✓

Description

Queries supported MAGNIFICATION settings.

Syntax

```
APIENTRY XSDK_CapProp (  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plNum,  
    long* plSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapAnamorphicMagnification
lAPIParam	(IN)	<model>_API_PARAM_CapAnamorphicMagnification
plNum	(OUT)	Returns the number of “SetAnamorphicMagnification” settings supported.
plSetting	(OUT)	

100	1.0 times
130	1.3 times
133	1.33 times
150	1.5 times
180	1.8 times
200	2.0 times

Remarks

This function can be used in State S3.

See Also

SetAnamorphicMagnification, GetAnamorphicMagnification

4.2.17.8. SetAnamorphicMagnification

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
																				✓			✓

Description

Sets the MAGNIFICATION setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_SetAnamorphicMagnification
lAPIParam	(IN)	<model>_API_PARAM_SetAnamorphicMagnification
lSetting	(IN)	

100	1.0 times
130	1.3 times
133	1.33 times
150	1.5 times
180	1.8 times
200	2.0 times

Remarks

This function can be used in State S3.

See Also

CapAnamorphicMagnification, GeAnamorphicMagnification

MODEL DEPENDENT API

4.2.17.9. GetAnamorphicMagnification

Supported Cameras

GFX ETERNA 55	✓
GFX100RF	
GFX100S II	
GFX100 II	✓
GFX50S II	
GFX100S	
GFX100	
GFX 50R	
GFX 50S	
X-M5	
X-S20	
X-H2	
X-H2S	
X-S10	
X-Pro3	
X-T5	
X-T4	
X-T3	

Description

Gets the MAGNIFICATION setting.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plValue
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetAnamorphicMagnification
lAPIParam	(IN)	<model>_API_PARAM_GetAnamorphicMagnification
plValue	(OUT)	See lSetting of “SetAnamorphicMagnification”.

Remarks

This function can be used in State S3.

See Also

CapAnamorphicMagnification, SetAnamorphicMagnification

MODEL DEPENDENT API

**4.2.17.10. CapMovieResolution****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

**Description**

Queries supported MOVIE MODE settings.

**Syntax**

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Parameters**

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapMovieResolution
lAPIParam	(IN)	<model>_API_PARAM_CapMovieResolution
plNum	(OUT)	Returns the number of “SetMovieResolution” settings supported.
plSetting	(OUT)	

<model>_MOVIE_RESOLUTION_6P2K_3_2	6.2K 3:2
<model>_MOVIE_RESOLUTION_8K_16_9	8K 16:9
<model>_MOVIE_RESOLUTION_6K_16_9	6K 16:9
<model>_MOVIE_RESOLUTION_4KHQ_16_9	4K_HQ 16:9
<model>_MOVIE_RESOLUTION_4K_16_9	4K 16:9
<model>_MOVIE_RESOLUTION_DC1HQ_17_9	DCI_HQ 17:9
<model>_MOVIE_RESOLUTION_DC1_17_9	DCI 17:9 (DCI_4K 17:9)
<model>_MOVIE_RESOLUTION_FULLHD_16_9	FullHD 16:9
<model>_MOVIE_RESOLUTION_FULLHD_17_9	FullHD 17:9
<model>_MOVIE_RESOLUTION_5K_17_9	5K 17:9
<model>_MOVIE_RESOLUTION_DC1_8K_17_9	DCI_8K 17:9

<model>_MOVIE_RESOLUTION_CINESCO_2P35_1	CineSco 2.35:1
<model>_MOVIE_RESOLUTION_OPENGATE_3_2	OpenGate 3:2
<model>_MOVIE_RESOLUTION_35MM_16_9	35mm 16:9
<model>_MOVIE_RESOLUTION_ANAMORPHIC_2P76_1	Anamorphic 2.76:1
<model>_MOVIE_RESOLUTION_ANAMORPHIC_1P38_1	Anamorphic 1.38:1
<model>_MOVIE_RESOLUTION_FULLFRAME_3_2	FullFrame 3:2
<model>_MOVIE_RESOLUTION_FULLHDLP_16_9	FullHD_LP 16:9
<model>_MOVIE_RESOLUTION_FULLHDLP_17_9	FullHD_LP 17:9
<model>_MOVIE_RESOLUTION_4K_LP_16_9	4K LP 16:9
<model>_MOVIE_RESOLUTION_FULLHD_9_16	FullHD 9:16
<model>_MOVIE_RESOLUTION_6P2K_16_9	6.2K 16:9
<model>_MOVIE_RESOLUTION_4K_4_3	4K 4:3
<model>_MOVIE_RESOLUTION_ANAMORPHIC_2P39_1	Anamorphic 2.39:1
<model>_MOVIE_RESOLUTION_ANAMORPHIC_1P195_1	Anamorphic 1.95:1
<model>_MOVIE_RESOLUTION_5P8K_2P39_1	5.8K 2.39:1

**Remarks**

This function can be used in State S3.

**See Also**

SetMovieResolution, GetMovieResolution

**4.2.17.11. SetMovieResolution****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
				✓				✓	✓	✓	✓								✓	✓	✓	✓

**Description**

Sets the MOVIE MODE setting.

**Syntax**

```
APIENTRY XSDK_SetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS

XSDK\_ERROR : ERROR

**Parameters**

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetMovieResolution

lAPIParam (IN) <model>\_API\_PARAM\_SetMovieResolution

lSetting (IN)

<model>_MOVIE_RESOLUTION_6P2K_3_2	6.2K 3:2
<model>_MOVIE_RESOLUTION_8K_16_9	8K 16:9
<model>_MOVIE_RESOLUTION_6K_16_9	6K 16:9
<model>_MOVIE_RESOLUTION_4KHQ_16_9	4K_HQ 16:9
<model>_MOVIE_RESOLUTION_4K_16_9	4K 16:9
<model>_MOVIE_RESOLUTION_DC1HQ_17_9	DCI_HQ 17:9
<model>_MOVIE_RESOLUTION_DC1_17_9	DCI 17:9 (DCI_4K 17:9)
<model>_MOVIE_RESOLUTION_FULLHD_16_9	FullHD 16:9
<model>_MOVIE_RESOLUTION_FULLHD_17_9	FullHD 17:9
<model>_MOVIE_RESOLUTION_5K_17_9	5K 17:9
<model>_MOVIE_RESOLUTION_DC1_8K_17_9	DCI_8K 17:9
<model>_MOVIE_RESOLUTION_CINESCO_2P35_1	CineSco 2.35:1
<model>_MOVIE_RESOLUTION_OPENGATE_3_2	OpenGate 3:2

<model>_MOVIE_RESOLUTION_35MM_16_9	35mm 16:9
<model>_MOVIE_RESOLUTION_ANAMORPHIC_2P76_1	Anamorphic 2.76:1
<model>_MOVIE_RESOLUTION_ANAMORPHIC_1P38_1	Anamorphic 1.38:1
<model>_MOVIE_RESOLUTION_FULLFRAME_3_2	FullFrame 3:2
<model>_MOVIE_RESOLUTION_FULLHDLP_16_9	FullHD_LP 16:9
<model>_MOVIE_RESOLUTION_FULLHDLP_17_9	FullHD_LP 17:9
<model>_MOVIE_RESOLUTION_4K_LP_16_9	4K LP 16:9
<model>_MOVIE_RESOLUTION_FULLHD_9_16	FullHD 9:16
<model>_MOVIE_RESOLUTION_6P2K_16_9	6.2K 16:9
<model>_MOVIE_RESOLUTION_4K_4_3	4K 4:3
<model>_MOVIE_RESOLUTION_ANAMORPHIC_2P39_1	Anamorphic 2.39:1
<model>_MOVIE_RESOLUTION_ANAMORPHIC_1P195_1	Anamorphic 1.95:1
<model>_MOVIE_RESOLUTION_5P8K_2P39_1	5.8K 2.39:1

**Remarks**

This function can be used in State S3.

**See Also**

CapMovieResolution, GetMovieResolution

**4.2.17.12. GetMovieResolution****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
				✓				✓	✓	✓	✓								✓	✓	✓	✓

**Description**

Gets the MOVIE MODE setting.

**Syntax**

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS

XSDK\_ERROR : ERROR

**Parameters**

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_GetMovieResolution

lAPIParam (IN) <model>\_API\_PARAM\_GetMovieResolution

plSetting (OUT)

<model>_MOVIE_RESOLUTION_6P2K_3_2	6.2K 3:2
<model>_MOVIE_RESOLUTION_8K_16_9	8K 16:9
<model>_MOVIE_RESOLUTION_6K_16_9	6K 16:9
<model>_MOVIE_RESOLUTION_4KHQ_16_9	4K_HQ 16:9
<model>_MOVIE_RESOLUTION_4K_16_9	4K 16:9
<model>_MOVIE_RESOLUTION_DC1HQ_17_9	DCI_HQ 17:9
<model>_MOVIE_RESOLUTION_DC1_17_9	DCI 17:9 (DCI_4K 17:9)
<model>_MOVIE_RESOLUTION_FULLHD_16_9	FullHD 16:9
<model>_MOVIE_RESOLUTION_FULLHD_17_9	FullHD 17:9
<model>_MOVIE_RESOLUTION_5K_17_9	5K 17:9
<model>_MOVIE_RESOLUTION_DC1_8K_17_9	DCI_8K 17:9
<model>_MOVIE_RESOLUTION_CINESCO_2P35_1	CineSco 2.35:1
<model>_MOVIE_RESOLUTION_OPENGATE_3_2	OpenGate 3:2

<model>_MOVIE_RESOLUTION_35MM_16_9	35mm 16:9
<model>_MOVIE_RESOLUTION_ANAMORPHIC_2P76_1	Anamorphic 2.76:1
<model>_MOVIE_RESOLUTION_ANAMORPHIC_1P38_1	Anamorphic 1.38:1
<model>_MOVIE_RESOLUTION_FULLFRAME_3_2	FullFrame 3:2
<model>_MOVIE_RESOLUTION_FULLHDLP_16_9	FullHD_LP 16:9
<model>_MOVIE_RESOLUTION_FULLHDLP_17_9	FullHD_LP 17:9
<model>_MOVIE_RESOLUTION_4K_LP_16_9	4K LP 16:9
<model>_MOVIE_RESOLUTION_FULLHD_9_16	FullHD 9:16
<model>_MOVIE_RESOLUTION_6P2K_16_9	6.2K 16:9
<model>_MOVIE_RESOLUTION_4K_4_3	4K 4:3
<model>_MOVIE_RESOLUTION_ANAMORPHIC_2P39_1	Anamorphic 2.39:1
<model>_MOVIE_RESOLUTION_ANAMORPHIC_1P195_1	Anamorphic 1.95:1
<model>_MOVIE_RESOLUTION_5P8K_2P39_1	5.8K 2.39:1

**Remarks**

This function can be used in State S3.

**See Also**

CapMovieResolution, SetMovieResolution

4.2.17.13. CapMovieFrameRate

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported MOVIE MODE settings.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapMovieFrameRate
lAPIParam	(IN)	<model>_API_PARAM_CapMovieFrameRate
plNum	(OUT)	Returns the number of “SetMovieFrameRate” settings supported.
plSetting	(OUT)	

<model>_MOVIE_FRAMERATE_59_94P	59.94P
<model>_MOVIE_FRAMERATE_50P	50P
<model>_MOVIE_FRAMERATE_29_97P	29.97P
<model>_MOVIE_FRAMERATE_25P	25P
<model>_MOVIE_FRAMERATE_24P	24P
<model>_MOVIE_FRAMERATE_23_98P	23.98P
<model>_MOVIE_FRAMERATE_48P	48P
<model>_MOVIE_FRAMERATE_47_95P	47.95P
<model>_MOVIE_FRAMERATE_119_88P	119.88P
<model>_MOVIE_FRAMERATE_100P	100P
<model>_MOVIE_FRAMERATE_22P	22P

Remarks

This function can be used in State S3.

**See Also**

SetMovieFrameRate, GetMovieFrameRate

**4.2.17.14. SetMovieFrameRate****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA5S
				✓				✓	✓	✓	✓									✓	✓	✓	✓

**Description**

Sets the MOVIE MODE setting.

**Syntax**

```
APIENTRY XSDK_SetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS

XSDK\_ERROR : ERROR

**Parameters**

hCamera (IN) The camera handle.

lAPICode (IN) &lt;model&gt;\_API\_CODE\_SetMovieFrameRate

lAPIParam (IN) &lt;model&gt;\_API\_PARAM\_SetMovieFrameRate

lSetting (IN)

<model>_MOVIE_FRAMERATE_59_94P	59.94P
<model>_MOVIE_FRAMERATE_50P	50P
<model>_MOVIE_FRAMERATE_29_97P	29.97P
<model>_MOVIE_FRAMERATE_25P	25P
<model>_MOVIE_FRAMERATE_24P	24P
<model>_MOVIE_FRAMERATE_23_98P	23.98P
<model>_MOVIE_FRAMERATE_48P	48P
<model>_MOVIE_FRAMERATE_47_95P	47.95P
<model>_MOVIE_FRAMERATE_119_88P	119.88P
<model>_MOVIE_FRAMERATE_100P	100P
<model>_MOVIE_FRAMERATE_22P	22P

**Remarks**

This function can be used in State S3.

#### See Also

CapMovieFrameRate, GetMovieFrameRate

#### 4.2.17.15. GetMovieFrameRate

##### Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

##### Description

Gets the MOVIE MODE setting.

##### Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

##### Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

##### Parameters

hCamera (IN) The camera handle.  
lAPICode (IN) <model>\_API\_CODE\_GetMovieFrameRate  
lAPIParam (IN) <model>\_API\_PARAM\_GetMovieFrameRate  
plSetting (OUT)

<model>_MOVIE_FRAMERATE_59_94P	59.94P
<model>_MOVIE_FRAMERATE_50P	50P
<model>_MOVIE_FRAMERATE_29_97P	29.97P
<model>_MOVIE_FRAMERATE_25P	25P
<model>_MOVIE_FRAMERATE_24P	24P
<model>_MOVIE_FRAMERATE_23_98P	23.98P
<model>_MOVIE_FRAMERATE_48P	48P
<model>_MOVIE_FRAMERATE_47_95P	47.95P
<model>_MOVIE_FRAMERATE_119_88P	119.88P
<model>_MOVIE_FRAMERATE_100P	100P
<model>_MOVIE_FRAMERATE_22P	22P

##### Remarks

This function can be used in State S3.

See Also

CapMovieFrameRate, SetMovieFrameRate

4.2.17.16. CapHighSpeedRecMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓			✓

Description

Queries supported HIGH SPEED REC settings.

Syntax

```
APIENTRY XSDK_CapProp (  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plNum,  
    long* plSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_CapHighSpeedRecMode	
lAPIParam	(IN)	<model>_API_PARAM_CapHighSpeedRecMode	
plNum	(OUT)	Returns the number of “SetHighSpeedRecMode” settings supported.	
plSetting	(OUT)		
		<model>_HIGHSPEEDREC_OFF	OFF
		<model>_HIGHSPEEDREC_ON	ON
		<model>_HIGHSPEEDREC_ON_HDMI_ONLY	ON HDMI Only

Remarks

This function can be used in State S3.

See Also

SetHighSpeedRecMode, GetHighSpeedRecMode

4.2.17.17. SetHighSpeedRecMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓			✓

Description

Sets the HIGH SPEED REC setting.

Syntax

```
APIENTRY XSDK_SetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetHighSpeedRecMode	
lAPIParam	(IN)	<model>_API_PARAM_SetHighSpeedRecMode	
lSetting	(IN)		
		<model>_HIGHSPEEDREC_OFF	OFF
		<model>_HIGHSPEEDREC_ON	ON
		<model>_HIGHSPEEDREC_ON_HDMI_ONLY	ON HDMI Only

Remarks

This function can be used in State S3.

See Also

CapHighSpeedRecMode, GetHighSpeedRecMode

MODEL DEPENDENT API

4.2.17.18. GetHighSpeedRecMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓			✓

Description

Gets the HIGH SPEED REC setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_GetHighSpeedRecMode

lAPIParam (IN) <model>\_API\_PARAM\_GetHighSpeedRecMode

plSetting (OUT)

<model>_HIGHSPEEDREC_OFF	OFF
<model>_HIGHSPEEDREC_ON	ON
<model>_HIGHSPEEDREC_ON_HDMI_ONLY	ON HDMI Only

Remarks

This function can be used in State S3.

See Also

CapHighSpeedRecMode, SetHighSpeedRecMode

**4.2.17.19. CapHighSpeedRecResolution****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓			✓

**Description**

Queries supported HIGH SPEED REC settings.

**Syntax**

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Parameters**

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_CapHighSpeedRecResolution

lAPIParam (IN) <model>\_API\_PARAM\_CapHighSpeedRecResolution

plNum (OUT) Returns the number of “SetHighSpeedRecResolution” settings supported.

plSetting (OUT)

<model>_MOVIE_RESOLUTION_4K_16_9	4K 16:9
<model>_MOVIE_RESOLUTION_DCI_17_9	DCI 17:9
<model>_MOVIE_RESOLUTION_FULLHD_16_9	FullHD 16:9
<model>_MOVIE_RESOLUTION_FULLHD_17_9	FullHD 17:9

**Remarks**

This function can be used in State S3.

**See Also**

SetHighSpeedRecResolution, GetHighSpeedRecResolution

4.2.17.20. SetHighSpeedRecResolution

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓			✓

Description

Sets the HIGH SPEED REC setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetHighSpeedRecResolution	
lAPIParam	(IN)	<model>_API_PARAM_SetHighSpeedRecResolution	
lSetting	(IN)		
		<model>_MOVIE_RESOLUTION_4K_16_9	4K 16:9
		<model>_MOVIE_RESOLUTION_DCI_17_9	DCI 17:9
		<model>_MOVIE_RESOLUTION_FULLHD_16_9	FullHD 16:9
		<model>_MOVIE_RESOLUTION_FULLHD_17_9	FullHD 17:9

Remarks

This function can be used in State S3.

See Also

CapHighSpeedRecResolution, GetHighSpeedRecResolution

MODEL DEPENDENT API

4.2.17.21. GetHighSpeedRecResolution

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓			✓

Description

Gets the HIGH SPEED REC setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_GetHighSpeedRecResolution

lAPIParam (IN) <model>\_API\_PARAM\_GetHighSpeedRecResolution

plSetting (OUT)

<model>_MOVIE_RESOLUTION_4K_16_9	4K 16:9
<model>_MOVIE_RESOLUTION_DCI_17_9	DCI 17:9
<model>_MOVIE_RESOLUTION_FULLHD_16_9	FullHD 16:9
<model>_MOVIE_RESOLUTION_FULLHD_17_9	FullHD 17:9

Remarks

This function can be used in State S3.

See Also

CapHighSpeedRecResolution, SetHighSpeedRecResolution

4.2.17.22. CapHighSpeedRecFrameRate

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓			✓

Description

Queries supported HIGH SPEED REC settings.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapHighSpeedRecFrameRate
lAPIParam	(IN)	<model>_API_PARAM_CapHighSpeedRecFrameRate
plNum	(OUT)	Returns the number of “SetHighSpeedRecFrameRate” settings supported.
plSetting	(OUT)	

<model>_HIGHSPEEDREC_FRAMERATE_240P	240P
<model>_HIGHSPEEDREC_FRAMERATE_200P	200P
<model>_HIGHSPEEDREC_FRAMERATE_120P	120P
<model>_HIGHSPEEDREC_FRAMERATE_100P	100P

Remarks

This function can be used in State S3.

See Also

SetHighSpeedRecFrameRate, GetHighSpeedRecFrameRate

4.2.17.23. SetHighSpeedRecFrameRate

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓			✓

Description

Sets the HIGH SPEED REC setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetHighSpeedRecFrameRate

lAPIParam (IN) <model>\_API\_PARAM\_SetHighSpeedRecFrameRate

lSetting (IN)

<model>_HIGHSPEEDREC_FRAMERATE_240P	240P
<model>_HIGHSPEEDREC_FRAMERATE_200P	200P
<model>_HIGHSPEEDREC_FRAMERATE_120P	120P
<model>_HIGHSPEEDREC_FRAMERATE_100P	100P

Remarks

This function can be used in State S3.

See Also

CapHighSpeedRecFrameRate, GetHighSpeedRecFrameRate

4.2.17.24. GetHighSpeedRecFrameRate

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓			✓

Description

Gets the HIGH SPEED REC setting.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_GetHighSpeedRecFrameRate

lAPIParam (IN) <model>\_API\_PARAM\_GetHighSpeedRecFrameRate

plSetting (OUT)

<model>_HIGHSPEEDREC_FRAMERATE_240P	240P
<model>_HIGHSPEEDREC_FRAMERATE_200P	200P
<model>_HIGHSPEEDREC_FRAMERATE_120P	120P
<model>_HIGHSPEEDREC_FRAMERATE_100P	100P

Remarks

This function can be used in State S3.

See Also

CapHighSpeedRecFrameRate, SetHighSpeedRecFrameRate

4.2.17.25. CapHighSpeedRecPlayBackFrameRate

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓			✓

Description

Queries supported HIGH SPEED REC settings.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapHighSpeedRecPlayBackFrameRate
lAPIParam	(IN)	<model>_API_PARAM_CapHighSpeedRecPlayBackFrameRate
plNum	(OUT)	Returns the number of “SetHighSpeedRecPlayBackFrameRate” settings supported.
plSetting	(OUT)	

<model>_MOVIE_FRAMERATE_59_94P	59.94P
<model>_MOVIE_FRAMERATE_50P	50P
<model>_MOVIE_FRAMERATE_29_97P	29.97P
<model>_MOVIE_FRAMERATE_25P	25P
<model>_MOVIE_FRAMERATE_24P	24P
<model>_MOVIE_FRAMERATE_23_98P	23.98P

Remarks

This function can be used in State S3.

See Also

SetHighSpeedRecPlayBackFrameRate, GetHighSpeedRecPlayBackFrameRate

4.2.17.26. SetHighSpeedRecPlayBackFrameRate

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓			✓

Description

Sets the HIGH SPEED REC setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetHighSpeedRecPlayBackFrameRate

lAPIParam (IN) <model>\_API\_PARAM\_SetHighSpeedRecPlayBackFrameRate

lSetting (IN)

<model>_MOVIE_FRAMERATE_59_94P	59.94P
<model>_MOVIE_FRAMERATE_50P	50P
<model>_MOVIE_FRAMERATE_29_97P	29.97P
<model>_MOVIE_FRAMERATE_25P	25P
<model>_MOVIE_FRAMERATE_24P	24P
<model>_MOVIE_FRAMERATE_23_98P	23.98P

Remarks

This function can be used in State S3.

See Also

CapHighSpeedRecPlayBackFrameRate, GetHighSpeedRecPlayBackFrameRate

4.2.17.27. GetHighSpeedRecPlayBackFrameRate

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓			✓

Description

Gets the HIGH SPEED REC setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_GetHighSpeedRecPlayBackFrameRate

lAPIParam (IN) <model>\_API\_PARAM\_GetHighSpeedRecPlayBackFrameRate

plSetting (OUT)

<model>_MOVIE_FRAMERATE_59_94P	59.94P
<model>_MOVIE_FRAMERATE_50P	50P
<model>_MOVIE_FRAMERATE_29_97P	29.97P
<model>_MOVIE_FRAMERATE_25P	25P
<model>_MOVIE_FRAMERATE_24P	24P
<model>_MOVIE_FRAMERATE_23_98P	23.98P

Remarks

This function can be used in State S3.

See Also

CapHighSpeedRecPlayBackFrameRate, SetHighSpeedRecPlayBackFrameRate

**4.2.17.28. CapMovieCaptureDelay****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
											✓								✓	✓	✓	✓

**Description**

Queries supported SELF TIMER settings.

**Syntax**

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS

XSDK\_ERROR : ERROR

**Parameters**

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_CapMovieCaptureDelay

lAPIParam (IN) <model>\_API\_PARAM\_CapMovieCaptureDelay

plNum (OUT) Returns the number of “SetMovieCaptureDelay” settings supported.

plSetting (OUT)

10000	10 min
5000	5 min
3000	3 min
0	OFF

**Remarks**

This function can be used in State S3.

**See Also**

SetMovieCaptureDelay, GetMovieCaptureDelay

4.2.17.29. SetMovieCaptureDelay

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
											✓								✓	✓	✓	✓

Description

Sets the SELF TIMER setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetMovieCaptureDelay

lAPIParam (IN) <model>\_API\_PARAM\_SetMovieCaptureDelay

lSetting (IN)

10000	10 min
5000	5 min
3000	3 min
0	OFF

Remarks

This function can be used in State S3.

See Also

CapMovieCaptureDelay, GetMovieCaptureDelay

4.2.17.30. GetMovieCaptureDelay

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
											✓								✓	✓	✓	✓

Description

Get the SELF TIMER setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_GetMovieCaptureDelay

lAPIParam (IN) <model>\_API\_PARAM\_GetMovieCaptureDelay

plSetting (OUT)

10000	10 min
5000	5 min
3000	3 min
0	OFF

Remarks

This function can be used in State S3.

See Also

CapMovieCaptureDelay, SetMovieCaptureDelay

4.2.17.31. CapMovieMediaRecord

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported MEDIA REC SETTING settings.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapMovieMediaRecord
lAPIParam	(IN)	<model>_API_PARAM_CapMovieMediaRecord
plNum	(OUT)	Returns the number of “SetMovieMediaRecord” settings supported.
plSetting	(OUT)	

<model>_MOVIE_MEDIARECORD_SEQUENTIAL_SLOT1_SLOT2	Sequential recode slot1 to slot2
<model>_MOVIE_MEDIARECORD_SLOT2	Slot2 only
<model>_MOVIE_MEDIARECORD_SLOT1	Slot1 only
<model>_MOVIE_MEDIARECORD_BACKUP	Backup recode slot1 and slot2
<model>_MOVIE_MEDIARECORD_SSD	SSD only
<model>_MOVIE_MEDIARECORD_SSD_CF	SSD and CF
<model>_MOVIE_MEDIARECORD_OFF	OFF
<model>_MOVIE_MEDIARECORD_SEQUENTIAL_SLOT2_SLOT1	Sequential recode slot2 to slot1

Remarks

MODEL DEPENDENT API

---

This function can be used in State S3.

**See Also**

SetMovieMediaRecord, GetMovieMediaRecord

4.2.17.32. SetMovieMediaRecord

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the MEDIA REC SETTING setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetMovieMediaRecord

lAPIParam (IN) <model>\_API\_PARAM\_SetMovieMediaRecord

lSetting (IN)

<model>_MOVIE_MEDIARECORD_SEQUENTIAL_SLOT1_SLOT2	Sequential recode slot1 to slot2
<model>_MOVIE_MEDIARECORD_SLOT2	Slot2 only
<model>_MOVIE_MEDIARECORD_SLOT1	Slot1 only
<model>_MOVIE_MEDIARECORD_BACKUP	Backup recode slot1 and slot2
<model>_MOVIE_MEDIARECORD_SSD	SSD only
<model>_MOVIE_MEDIARECORD_SSD_CF	SSD and CF
<model>_MOVIE_MEDIARECORD_OFF	OFF
<model>_MOVIE_MEDIARECORD_SEQUENTIAL_SLOT2_SLOT1	Sequential recode slot2 to slot1

Remarks

This function can be used in State S3.

See Also

---

CapMovieMediaRecord, GetMovieMediaRecord

MODEL DEPENDENT API

4.2.17.33. GetMovieMediaRecord

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the MEDIA REC SETTING setting.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_GetMovieMediaRecord

lAPIParam (IN) <model>\_API\_PARAM\_GetMovieMediaRecord

plSetting (OUT)

<model>_MOVIE_MEDIARECORD_SEQUENTIAL_SLOT1_SLOT2	Sequential recode slot1 to slot2
<model>_MOVIE_MEDIARECORD_SLOT2	Slot2 only
<model>_MOVIE_MEDIARECORD_SLOT1	Slot1 only
<model>_MOVIE_MEDIARECORD_BACKUP	Backup recode slot1 and slot2
<model>_MOVIE_MEDIARECORD_SSD	SSD only
<model>_MOVIE_MEDIARECORD_SSD_CF	SSD and CF
<model>_MOVIE_MEDIARECORD_OFF	OFF
<model>_MOVIE_MEDIARECORD_SEQUENTIAL_SLOT2_SLOT1	Sequential recode slot2 to slot1

Remarks

This function can be used in State S3.

See Also

CapMovieMediaRecord, SetMovieMediaRecord

**4.2.17.34. CapMovieBitRate****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA 55
				✓				✓	✓	✓	✓								✓	✓	✓	✓

**Description**

Queries supported MEDIA REC SETTING settings.

**Syntax**

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Parameters**

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapMovieBitRate
lAPIParam	(IN)	<model>_API_PARAM_CapMovieBitRate
plNum	(OUT)	Returns the number of “SetMovieBitRate” settings supported.
plSetting	(OUT)	

<model>_MOVIE_BITRATE_720MBPS	720Mbps
<model>_MOVIE_BITRATE_400MBPS	400Mbps
<model>_MOVIE_BITRATE_360MBPS	360Mbps
<model>_MOVIE_BITRATE_200MBPS	200Mbps
<model>_MOVIE_BITRATE_100MBPS	100Mbps
<model>_MOVIE_BITRATE_50MBPS	50Mbps
<model>_MOVIE_BITRATE_25MBPS	25Mbps
<model>_MOVIE_BITRATE_8MBPS	8Mbps

**Remarks**

This function can be used in State S3.

**See Also**

SetMovieBitRate, GetMovieBitRate

4.2.17.35. SetMovieBitRate

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the MEDIA REC SETTING setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_SetMovieBitRate
lAPIParam	(IN)	<model>_API_PARAM_SetMovieBitRate
lSetting	(IN)	

<model>_MOVIE_BITRATE_720MBPS	720Mbps
<model>_MOVIE_BITRATE_400MBPS	400Mbps
<model>_MOVIE_BITRATE_360MBPS	360Mbps
<model>_MOVIE_BITRATE_200MBPS	200Mbps
<model>_MOVIE_BITRATE_100MBPS	100Mbps
<model>_MOVIE_BITRATE_50MBPS	50Mbps
<model>_MOVIE_BITRATE_25MBPS	25Mbps
<model>_MOVIE_BITRATE_8MBPS	8Mbps

Remarks

This function can be used in State S3.

See Also

CapMovieBitRate, GetMovieBitRate

4.2.17.36. GetMovieBitRate

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the MEDIA REC SETTING setting.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_GetMovieBitRate	
lAPIParam	(IN)	<model>_API_PARAM_GetMovieBitRate	
plSetting	(OUT)		
		<model>_MOVIE_BITRATE_720MBPS	720Mbps
		<model>_MOVIE_BITRATE_400MBPS	400Mbps
		<model>_MOVIE_BITRATE_360MBPS	360Mbps
		<model>_MOVIE_BITRATE_200MBPS	200Mbps
		<model>_MOVIE_BITRATE_100MBPS	100Mbps
		<model>_MOVIE_BITRATE_50MBPS	50Mbps
		<model>_MOVIE_BITRATE_25MBPS	25Mbps
		<model>_MOVIE_BITRATE_8MBPS	8Mbps

Remarks

This function can be used in State S3.

See Also

CapMovieBitRate, SetMovieBitRate

MODEL DEPENDENT API

4.2.17.37. CapMovieFileFormat

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported MEDIA REC SETTING settings.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_CapMovieFileFormat

lAPIParam (IN) <model>\_API\_PARAM\_CapMovieFileFormat

plNum (OUT) Returns the number of “SetMovieFileFormat” settings supported.

plSetting (OUT)

<model>_MOVIE_FORMAT_H264_ALL_I_MOV	H.264 All-I MOV
<model>_MOVIE_FORMAT_H264_LONGGOP_I_MOV	H.264 LongGOP MOV
<model>_MOVIE_FORMAT_H264_LONGGOP_MP4	H.264 LongGOP MP4
<model>_MOVIE_FORMAT_H265_4_2_0_ALL_I	H.265(4:2:0) All-I
<model>_MOVIE_FORMAT_H265_4_2_0_LONGGOP	H.265(4:2:0) LongGOP
<model>_MOVIE_FORMAT_H265_4_2_2_ALL_I	H.265(4:2:2) All-I
<model>_MOVIE_FORMAT_H265_4_2_2_LONGGOP	H.265(4:2:2) LongGOP
<model>_MOVIE_FORMAT_PRORESHQ	ProResHQ
<model>_MOVIE_FORMAT_PRORES	ProRes
<model>_MOVIE_FORMAT_PRORESLT	ProResLT

Remarks

This function can be used in State S3.

---

**See Also**

SetMovieFileFormat, GetMovieFileFormat

4.2.17.38. SetMovieFileFormat

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the MEDIA REC SETTING setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetMovieFileFormat

lAPIParam (IN) <model>\_API\_PARAM\_SetMovieFileFormat

lSetting (IN)

<model>_MOVIE_FORMAT_H264_ALL_I_MOV	H.264 All-I MOV
<model>_MOVIE_FORMAT_H264_LONGGOP_I_MOV	H.264 LongGOP MOV
<model>_MOVIE_FORMAT_H264_LONGGOP_MP4	H.264 LongGOP MP4
<model>_MOVIE_FORMAT_H265_4_2_0_ALL_I	H.265(4:2:0) All-I
<model>_MOVIE_FORMAT_H265_4_2_0_LONGGOP	H.265(4:2:0) LongGOP
<model>_MOVIE_FORMAT_H265_4_2_2_ALL_I	H.265(4:2:2) All-I
<model>_MOVIE_FORMAT_H265_4_2_2_LONGGOP	H.265(4:2:2) LongGOP
<model>_MOVIE_FORMAT_PRORESHQ	ProResHQ
<model>_MOVIE_FORMAT_PRORES	ProRes
<model>_MOVIE_FORMAT_PRORESLT	ProResLT

Remarks

This function can be used in State S3.

See Also

CapMovieFileFormat, GetMovieFileFormat

4.2.17.39. GetMovieFileFormat

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the MEDIA REC SETTING setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_GetMovieFileFormat

lAPIParam (IN) <model>\_API\_PARAM\_GetMovieFileFormat

plSetting (OUT)

<model>_MOVIE_FORMAT_H264_ALL_I_MOV	H.264 All-I MOV
<model>_MOVIE_FORMAT_H264_LONGGOP_I_MOV	H.264 LongGOP MOV
<model>_MOVIE_FORMAT_H264_LONGGOP_MP4	H.264 LongGOP MP4
<model>_MOVIE_FORMAT_H265_4_2_0_ALL_I	H.265(4:2:0) All-I
<model>_MOVIE_FORMAT_H265_4_2_0_LONGGOP	H.265(4:2:0) LongGOP
<model>_MOVIE_FORMAT_H265_4_2_2_ALL_I	H.265(4:2:2) All-I
<model>_MOVIE_FORMAT_H265_4_2_2_LONGGOP	H.265(4:2:2) LongGOP
<model>_MOVIE_FORMAT_PRORESHQ	ProResHQ
<model>_MOVIE_FORMAT_PRORES	ProRes
<model>_MOVIE_FORMAT_PRORESLT	ProResLT

Remarks

This function can be used in State S3.

See Also

CapMovieFileFormat, SetMovieFileFormat

**4.2.17.40. CapMovieMediaRecordProRes****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA 5S
								✓	✓											✓	✓	✓	✓

**Description**

Queries supported PROXY SETTING settings.

**Syntax**

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Parameters**

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_CapMovieMediaRecordProRes

lAPIParam (IN) <model>\_API\_PARAM\_CapMovieMediaRecordProRes

plNum (OUT) Returns the number of “SetMovieMediaRecordProRes” settings supported.

plSetting (OUT)

<model>_MOVIE_MEDIARECORD_PRORES_OFF	OFF
<model>_MOVIE_MEDIARECORD_PRORES_H264	ON H264
<model>_MOVIE_MEDIARECORD_PRORES_PROXY	ON Pro Res Proxy

**Remarks**

This function can be used in State S3.

**See Also**

SetMovieMediaRecordProRes, GetMovieMediaRecordProRes

4.2.17.41. SetMovieMediaRecordProRes

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
								✓	✓										✓	✓	✓	✓

Description

Sets the PROXY SETTING setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetMovieMediaRecordProRes

lAPIParam (IN) <model>\_API\_PARAM\_SetMovieMediaRecordProRes

lSetting (IN)

<model>_MOVIE_MEDIARECORD_PRORES_OFF	OFF
<model>_MOVIE_MEDIARECORD_PRORES_H264	ON H264
<model>_MOVIE_MEDIARECORD_PRORES_PROXY	ON Pro Res Proxy

Remarks

This function can be used in State S3.

See Also

CapMovieMediaRecordProRes, GetMovieMediaRecordProRes

4.2.17.42. GetMovieMediaRecordProRes

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
								✓	✓										✓	✓	✓	✓

Description

Gets the PROXY SETTING setting.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_GetMovieMediaRecordProRes

lAPIParam (IN) <model>\_API\_PARAM\_GetMovieMediaRecordProRes

plSetting (OUT)

<model>_MOVIE_MEDIARECORD_PRORES_OFF	OFF
<model>_MOVIE_MEDIARECORD_PRORES_H264	ON H264
<model>_MOVIE_MEDIARECORD_PRORES_PROXY	ON Pro Res Proxy

Remarks

This function can be used in State S3.

See Also

CapMovieMediaRecordProRes, SetMovieMediaRecordProRes

4.2.17.43. GetMediaEjectWarning

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA 55
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the media eject warning information.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    unsigned long* ulWarning
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMediaEjectWarning
lAPIParam	(IN)	<model>_API_PARAM_GetMediaEjectWarning
ulWarning	(OUT)	Media eject warning value.

MODEL DEPENDENT API

[H2S/H2/T5]

<model>_MEDIA_EJECT_WARNING_SLOT1	SLOT1
<model>_MEDIA_EJECT_WARNING_SLOT2	SLOT2

[S20]

<model>_MEDIA_EJECT_WARNING_SLOT1	SLOT1
-----------------------------------	-------

[GFX100II/GFX100SII/GFX100RF/GFX ETERNA 55]

<model>_MEDIA_EJECT_WARNING_SLOT1	SLOT1
<model>_MEDIA_EJECT_WARNING_SLOT2	SLOT2
<model>_MEDIA_EJECT_WARNING_SLOT3	SLOT3

[M5]

<model>_MEDIA_EJECT_WARNING_SLOT1	SLOT1
-----------------------------------	-------

<model>_MEDIA_EJECT_WARNING_SLOT3	SLOT3
-----------------------------------	-------

**Remarks**

This function can be used in State S3.

**See Also**

None

MODEL DEPENDENT API

4.2.17.44. CapMovieHDMIOutputInfoDisplay

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported HDMI OUTPUT INFO DISPLAY settings.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.					
lAPICode	(IN)	<model>_API_CODE_CapMovieHDMIOutputInfoDisplay					
lAPIParam	(IN)	<model>_API_PARAM_CapMovieHDMIOutputInfoDisplay					
plNum	(OUT)	Returns the number of “SetMovieHDMIOutputInfoDisplay” settings supported.					
plSetting	(OUT)	<table><tr><td>&lt;model&gt;_ON</td><td>ON</td></tr><tr><td>&lt;model&gt;_OFF</td><td>OFF</td></tr></table>		<model>_ON	ON	<model>_OFF	OFF
<model>_ON	ON						
<model>_OFF	OFF						

Remarks

This function can be used in State S3.

See Also

SetMovieHDMIOutputInfoDisplay, GetMovieHDMIOutputInfoDisplay

MODEL DEPENDENT API

4.2.17.45. SetMovieHDMIOutputInfoDisplay

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20			✓	GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓									✓	✓	✓	✓

Description

Sets the HDMI OUTPUT INFO DISPLAY setting.

Syntax

```
APIENTRY XSDK_SetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetMovieHDMIOutputInfoDisplay	
lAPIParam	(IN)	<model>_API_PARAM_SetMovieHDMIOutputInfoDisplay	
lSetting	(IN)		
		<model>_ON	ON
		<model>_OFF	OFF

Remarks

This function can be used in State S3.

See Also

CapMovieHDMIOutputInfoDisplay, GetMovieHDMIOutputInfoDisplay

4.2.17.46. GetMovieHDMIOutputInfoDisplay

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the HDMI OUTPUT INFO DISPLAY setting.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieHDMIOutputInfoDisplay
lAPIParam	(IN)	<model>_API_PARAM_GetMovieHDMIOutputInfoDisplay
plSetting	(OUT)	See lSetting of “SetMovieHDMIOutputInfoDisplay”.

Remarks

This function can be used in State S3.

See Also

CapMovieHDMIOutputInfoDisplay, SetMovieHDMIOutputInfoDisplay

4.2.17.47. CapMovieHDMIRecControl

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported HDMI REC CONTROL settings.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.				
lAPICode	(IN)	<model>_API_CODE_CapMovieHDMIRecControl				
lAPIParam	(IN)	<model>_API_PARAM_CapMovieHDMIRecControl				
plNum	(OUT)	Returns the number of “SetMovieHDMIRecControl” settings supported.				
plSetting	(OUT)	<table><tr><td>&lt;model&gt;_ON</td><td>ON</td></tr><tr><td>&lt;model&gt;_OFF</td><td>OFF</td></tr></table>	<model>_ON	ON	<model>_OFF	OFF
<model>_ON	ON					
<model>_OFF	OFF					

Remarks

This function can be used in State S3.

See Also

SetMovieHDMIRecControl, GetMovieHDMIRecControl

4.2.17.48. SetMovieHDMIRecControl

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA 55
				✓				✓	✓	✓	✓									✓	✓	✓	✓

Description

Sets the HDMI REC CONTROL setting.

Syntax

```
APIENTRY XSDK_SetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetMovieHDMIRecControl	
lAPIParam	(IN)	<model>_API_PARAM_SetMovieHDMIRecControl	
lSetting	(IN)		
		<model>_ON	ON
		<model>_OFF	OFF

Remarks

This function can be used in State S3.

See Also

CapMovieHDMIRecControl , GetMovieHDMIRecControl

4.2.17.49. GetMovieHDMIRecControl

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the HDMI REC CONTROL setting.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieHDMIRecControl
lAPIParam	(IN)	<model>_API_PARAM_GetMovieHDMIRecControl
plSetting	(OUT)	See lSetting of “SetMovieHDMIRecControl”.

Remarks

This function can be used in State S3.

See Also

CapMovieHDMIRecControl , SetMovieHDMIRecControl

4.2.17.50. CapMovieHDMIOutputRAW

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported RAW OUTPUT SETTING settings.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapMovieHDMIOutputRAW
lAPIParam	(IN)	<model>_API_PARAM_CapMovieHDMIOutputRAW
plNum	(OUT)	Returns the number of “SetMovieHDMIOutputRAW” settings supported.
plSetting	(OUT)	

<model>_MOVIE_HDMI_OUTPUT_RAW_OFF	OFF
<model>_MOVIE_HDMI_OUTPUT_RAW_ATOMOS	ON ATOMOS
<model>_MOVIE_HDMI_OUTPUT_RAW_BLACKMAGIC	ON Blackmagic

Remarks

This function can be used in State S3.

See Also

SetMovieHDMIOutputRAW, GetMovieHDMIOutputRAW

MODEL DEPENDENT API

4.2.17.51. SetMovieHDMIOutputRAW

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the RAW OUTPUT SETTING setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetMovieHDMIOutputRAW

lAPIParam (IN) <model>\_API\_PARAM\_SetMovieHDMIOutputRAW

lSetting (IN)

<model>_MOVIE_HDMI_OUTPUT_RAW_OFF	OFF
<model>_MOVIE_HDMI_OUTPUT_RAW_ATOMOS	ON ATOMOS
<model>_MOVIE_HDMI_OUTPUT_RAW_BLACKMAGIC	ON Blackmagic

Remarks

This function can be used in State S3.

See Also

CapMovieHDMIOutputRAW, GetMovieHDMIOutputRAW

4.2.17.52. GetMovieHDMIOutputRAW

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the RAW OUTPUT SETTING setting.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_GetMovieHDMIOutputRAW

lAPIParam (IN) <model>\_API\_PARAM\_GetMovieHDMIOutputRAW

plSetting (OUT)

<model>_MOVIE_HDMI_OUTPUT_RAW_OFF	OFF
<model>_MOVIE_HDMI_OUTPUT_RAW_ATOMOS	ON ATOMOS
<model>_MOVIE_HDMI_OUTPUT_RAW_BLACKMAGIC	ON Blackmagic

Remarks

This function can be used in State S3.

See Also

CapMovieHDMIOutputRAW, SetMovieHDMIOutputRAW

4.2.17.53. CapMovieHDMIOutputRAWResolution

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported RAW OUTPUT SETTING settings.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_CapMovieHDMIOutputRAWResolution

lAPIParam (IN) <model>\_API\_PARAM\_CapMovieHDMIOutputRAWResolution

plNum (OUT) Returns the number of “SetMovieHDMIOutputRAWResolution” settings supported.

plSetting (OUT)

<model>_MOVIE_HDMI_OUTPUT_RESOLUTION_4P8K	4.8K
<model>_MOVIE_HDMI_OUTPUT_RESOLUTION_6P2K	6.2K
<model>_MOVIE_HDMI_OUTPUT_RESOLUTION_8K	8K
<model>_MOVIE_HDMI_OUTPUT_RESOLUTION_5P2K	5.2K
<model>_MOVIE_HDMI_OUTPUT_RESOLUTION_4K	4K
<model>_MOVIE_HDMI_OUTPUT_RESOLUTION_DCI_8K	DCI 8K
<model>_MOVIE_HDMI_OUTPUT_RESOLUTION_DCI_4K	DCI 4K
<model>_MOVIE_HDMI_OUTPUT_RESOLUTION_FULLHD	FULL HD

Remarks

This function can be used in State S3.

See Also

SetMovieHDMIOutputRAWResolution, GetMovieHDMIOutputRAWResolution

**4.2.17.54. SetMovieHDMIOutputRAWResolution****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5					GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
				✓				✓	✓	✓	✓										✓	✓	✓	✓

**Description**

Sets the RAW OUTPUT SETTING setting.

**Syntax**

```
APIENTRY XSDK_SetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS

XSDK\_ERROR : ERROR

**Parameters**

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetMovieHDMIOutputRAWResolution

lAPIParam (IN) <model>\_API\_PARAM\_SetMovieHDMIOutputRAWResolution

lSetting (IN)

<model>_MOVIE_HDMI_OUTPUT_RESOLUTION_4P8K	4.8K
<model>_MOVIE_HDMI_OUTPUT_RESOLUTION_6P2K	6.2K
<model>_MOVIE_HDMI_OUTPUT_RESOLUTION_8K	8K
<model>_MOVIE_HDMI_OUTPUT_RESOLUTION_5P2K	5.2K
<model>_MOVIE_HDMI_OUTPUT_RESOLUTION_4K	4K
<model>_MOVIE_HDMI_OUTPUT_RESOLUTION_DCI_8K	DCI 8K
<model>_MOVIE_HDMI_OUTPUT_RESOLUTION_DCI_4K	DCI 4K
<model>_MOVIE_HDMI_OUTPUT_RESOLUTION_FULLHD	FULL HD

**Remarks**

This function can be used in State S3.

**See Also**

CapMovieHDMIOutputRAWResolution, GetMovieHDMIOutputRAWResolution

**4.2.17.55. GetMovieHDMIOutputRAWResolution****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

**Description**

Gets the RAW OUTPUT SETTING setting.

**Syntax**

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS

XSDK\_ERROR : ERROR

**Parameters**

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_GetMovieHDMIOutputRAWResolution

lAPIParam (IN) <model>\_API\_PARAM\_GetMovieHDMIOutputRAWResolution

plSetting (OUT)

<model>_MOVIE_HDMI_OUTPUT_RESOLUTION_4P8K	4.8K
<model>_MOVIE_HDMI_OUTPUT_RESOLUTION_6P2K	6.2K
<model>_MOVIE_HDMI_OUTPUT_RESOLUTION_8K	8K
<model>_MOVIE_HDMI_OUTPUT_RESOLUTION_5P2K	5.2K
<model>_MOVIE_HDMI_OUTPUT_RESOLUTION_4K	4K
<model>_MOVIE_HDMI_OUTPUT_RESOLUTION_DCI_8K	DCI 8K
<model>_MOVIE_HDMI_OUTPUT_RESOLUTION_DCI_4K	DCI 4K
<model>_MOVIE_HDMI_OUTPUT_RESOLUTION_FULLHD	FULL HD

**Remarks**

This function can be used in State S3.

**See Also**

CapMovieHDMIOutputRAWResolution, SetMovieHDMIOutputRAWResolution

4.2.17.56. CapMovieHDMIOutputRAWFrameRate

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported RAW OUTPUT SETTING settings.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

---

lAPICode (IN) <model>\_API\_CODE\_CapMovieHDMIOutputRAWFrameRate

---

lAPIParam (IN) <model>\_API\_PARAM\_CapMovieHDMIOutputRAWFrameRate

---

plNum (OUT) Returns the number of “SetMovieHDMIOutputRAWFrameRate” settings supported.

---

plSetting (OUT)

<model>_MOVIE_HDMI_OUTPUT_FRAMERATE_59_94P	59.94P
<model>_MOVIE_HDMI_OUTPUT_FRAMERATE_50P	50P
<model>_MOVIE_HDMI_OUTPUT_FRAMERATE_29_97P	29.97P
<model>_MOVIE_HDMI_OUTPUT_FRAMERATE_25P	25P
<model>_MOVIE_HDMI_OUTPUT_FRAMERATE_24P	24P
<model>_MOVIE_HDMI_OUTPUT_FRAMERATE_23_98P	23.98P

Remarks

This function can be used in State S3.

See Also

SetMovieHDMIOutputRAWFrameRate, GetMovieHDMIOutputRAWFrameRate

4.2.17.57. SetMovieHDMIOutputRAWFrameRate

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the RAW OUTPUT SETTING setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetMovieHDMIOutputRAWFrameRate

lAPIParam (IN) <model>\_API\_PARAM\_SetMovieHDMIOutputRAWFrameRate

lSetting (IN)

<model>_MOVIE_HDMI_OUTPUT_FRAMERATE_59_94P	59.94P
<model>_MOVIE_HDMI_OUTPUT_FRAMERATE_50P	50P
<model>_MOVIE_HDMI_OUTPUT_FRAMERATE_29_97P	29.97P
<model>_MOVIE_HDMI_OUTPUT_FRAMERATE_25P	25P
<model>_MOVIE_HDMI_OUTPUT_FRAMERATE_24P	24P
<model>_MOVIE_HDMI_OUTPUT_FRAMERATE_23_98P	23.98P

Remarks

This function can be used in State S3.

See Also

CapMovieHDMIOutputRAWFrameRate, GetMovieHDMIOutputRAWFrameRate

4.2.17.58. GetMovieHDMIOutputRAWFrameRate

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the RAW OUTPUT SETTING setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_GetMovieHDMIOutputRAWFrameRate

lAPIParam (IN) <model>\_API\_PARAM\_GetMovieHDMIOutputRAWFrameRate

plSetting (OUT)

<model>_MOVIE_HDMI_OUTPUT_FRAMERATE_59_94P	59.94P
<model>_MOVIE_HDMI_OUTPUT_FRAMERATE_50P	50P
<model>_MOVIE_HDMI_OUTPUT_FRAMERATE_29_97P	29.97P
<model>_MOVIE_HDMI_OUTPUT_FRAMERATE_25P	25P
<model>_MOVIE_HDMI_OUTPUT_FRAMERATE_24P	24P
<model>_MOVIE_HDMI_OUTPUT_FRAMERATE_23_98P	23.98P

Remarks

This function can be used in State S3.

See Also

CapMovieHDMIOutputRAWFrameRate, SetMovieHDMIOutputRAWFrameRate

4.2.17.59. CapMovieCropMagnification

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported FIX MOVIE CROP MAGNIFICATION settings.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.					
lAPICode	(IN)	<model>_API_CODE_CapMovieCropMagnification					
lAPIParam	(IN)	<model>_API_PARAM_CapMovieCropMagnification					
plNum	(OUT)	Returns the number of “SetMovieCropMagnification” settings supported.					
plSetting	(OUT)	<table><tr><td>&lt;model&gt;_ON</td><td>ON</td></tr><tr><td>&lt;model&gt;_OFF</td><td>OFF</td></tr></table>		<model>_ON	ON	<model>_OFF	OFF
<model>_ON	ON						
<model>_OFF	OFF						

Remarks

This function can be used in State S3.

See Also

SetMovieCropMagnification, GetMovieCropMagnification

4.2.17.60. SetMovieCropMagnification

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the FIX MOVIE CROP MAGNIFICATION setting.

Syntax

```
APIENTRY XSDK_SetProp (  
    XSDK_HANDLE  hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetMovieCropMagnification	
lAPIParam	(IN)	<model>_API_PARAM_SetMovieCropMagnification	
lSetting	(IN)		
		<model>_ON	ON
		<model>_OFF	OFF

Remarks

This function can be used in State S3.

See Also

CapMovieCropMagnification, GetMovieCropMagnification

4.2.17.61. GetMovieCropMagnification

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA5S
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the FIX MOVIE CROP MAGNIFICATION setting.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieCropMagnification
lAPIParam	(IN)	<model>_API_PARAM_GetMovieCropMagnification
plSetting	(OUT)	See lSetting of “SetMovieCropMagnification”.

Remarks

This function can be used in State S3.

See Also

CapMovieCropMagnification, SetMovieCropMagnification

4.2.17.62. GetMovieCropMagnificationValue

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the MOVIE CROP MAGNIFICAION VALUE setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plValue  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieCropMagnificationValue
lAPIParam	(IN)	<model>_API_PARAM_GetMovieCropMagnificationValue
plSetting	(OUT)	The obtained video crop magnification value.

Remarks

This function can be used in State S3.

See Also

None.

MODEL DEPENDENT API

**4.2.17.63. CapFlogRecording****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

**Description**

Queries supported F-Log/HLG RECODING settings.

**Syntax**

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Parameters**

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_CapFlogRecording

lAPIParam (IN) <model>\_API\_PARAM\_CapFlogRecording

plNum (OUT) Returns the number of “SetFlogRecording” settings supported.

plSetting (OUT)

<model>_MOVIERECORD_MEDIA_FSIM_HDMI_FSIM	Media1 : Fsim HDMI : Fsim
<model>_MOVIERECORD_MEDIA_FLOG_HDMI_FLOG	Media1 : F-Log HDMI : F-Log
<model>_MOVIERECORD_MEDIA_FLOG2_HDMI_FLOG2	Media1 : F-Log2 HDMI : F-Log2
<model>_MOVIERECORD_MEDIA_FSIM_HDMI_FLOG	Media1 : Fsim HDMI : F-Log
<model>_MOVIERECORD_MEDIA_FSIM_HDMI_FLOG2	Media1 : Fsim HDMI : F-Log2
<model>_MOVIERECORD_MEDIA_FLOG_HDMI_FSIM	Media1 : F-Log HDMI : Fsim
<model>_MOVIERECORD_MEDIA_FLOG2_HDMI_FSI	Media1 : F-Log2

M	HDMI : Fsim
<model>_MOVIERECORD_MEDIA_HLG_HDMI_HLG	Media1 : HLG HDMI : HLG
<model>_MOVIERECORD_MEDIA_FSIM_HDMI_FLOG2C	Media1 : Fsim HDMI : F-Log2 C
<model>_MOVIERECORD_MEDIA_FLOG2C_HDMI_FLOG2C	Media1 : F-Log2 C HDMI : F-Log2 C
<model>_MOVIERECORD_MEDIA_FSIM_HDMI_ATMOS	Media1 : Fsim HDMI : ATMOS
<model>_MOVIERECORD_MEDIA_FSIM_HDMI_BLACKMAGIC	Media1 : Fsim HDMI : Blackmagic
<model>_MOVIERECORD_MEDIA_FLOG_HDMI_ATMOS	Media1 : F-Log HDMI :
<model>_MOVIERECORD_MEDIA_FLOG_HDMI_BLACKMAGIC	Media1 : F-Log HDMI : Blackmagic
<model>_MOVIERECORD_MEDIA_FLOG2_HDMI_ATMOS	Media1 : F-Log2 HDMI : ATMOS
<model>_MOVIERECORD_MEDIA_FLOG2_HDMI_BLACKMAGIC	Media1 : F-Log2 HDMI : Blackmagic
<model>_MOVIERECORD_MEDIA_FLOG2C_HDMI_ATMOS	Media1 : F-Log2 C HDMI : ATMOS
<model>_MOVIERECORD_MEDIA_FLOG2C_HDMI_BLACKMAGIC	Media1 : F-Log2 C HDMI : Blackmagic
<model>_MOVIERECORD_MEDIA_HLG_HDMI_ATMOS	Media1 : HLG HDMI : ATMOS
<model>_MOVIERECORD_MEDIA_HLG_HDMI_BLACKMAGIC	Media1 : HLG HDMI : Blackmagic

MODEL DEPENDENT API

**Remarks**

This function can be used in State S3.

**See Also**

SetFlogRecording, GetFlogRecording

**4.2.17.64. SetFlogRecording****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

**Description**

Sets the F-Log/HLG RECODING setting.

**Syntax**

```
APIENTRY XSDK_SetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS

XSDK\_ERROR : ERROR

**Parameters**

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetFlogRecording

lAPIParam (IN) <model>\_API\_PARAM\_SetFlogRecording

lSetting (IN)

<model>_MOVIERECORD_MEDIA_FSIM_HDMI_FSIM	Media1 : Fsim HDMI : Fsim
<model>_MOVIERECORD_MEDIA_FLOG_HDMI_FLOG	Media1 : F-Log HDMI : F-Log
<model>_MOVIERECORD_MEDIA_FLOG2_HDMI_FLOG2	Media1 : F-Log2 HDMI : F-Log2
<model>_MOVIERECORD_MEDIA_FSIM_HDMI_FLOG	Media1 : Fsim HDMI : F-Log
<model>_MOVIERECORD_MEDIA_FSIM_HDMI_FLOG2	Media1 : Fsim HDMI : F-Log2
<model>_MOVIERECORD_MEDIA_FLOG_HDMI_FSIM	Media1 : F-Log HDMI : Fsim
<model>_MOVIERECORD_MEDIA_FLOG2_HDMI_FSIM	Media1 : F-Log2 HDMI : Fsim
<model>_MOVIERECORD_MEDIA_HLG_HDMI_HLG	Media1 : HLG

	HDMI:HLG
<model>_MOVIERECORD_MEDIA_FSIM_HDMI_FLOG2 C	Media1:Fsim HDMI:F-Log2 C
<model>_MOVIERECORD_MEDIA_FLOG2C_HDMI_FLOG2 C	Media1:F-Log2 C HDMI:F-Log2 C
<model>_MOVIERECORD_MEDIA_FSIM_HDMI_ATMOS	Media1:Fsim HDMI:ATMOS
<model>_MOVIERECORD_MEDIA_FSIM_HDMI_BLACKMAGIC	Media1:Fsim HDMI:Blackmagic
<model>_MOVIERECORD_MEDIA_FLOG_HDMI_ATMOS	Media1:F-Log HDMI:
<model>_MOVIERECORD_MEDIA_FLOG_HDMI_BLACKMAGIC	Media1:F-Log HDMI:Blackmagic
<model>_MOVIERECORD_MEDIA_FLOG2_HDMI_ATMOS	Media1:F-Log2 HDMI:ATMOS
<model>_MOVIERECORD_MEDIA_FLOG2_HDMI_BLACKMAGIC	Media1:F-Log2 HDMI:Blackmagic
<model>_MOVIERECORD_MEDIA_FLOG2C_HDMI_ATMOS	Media1:F-Log2 C HDMI:ATMOS
<model>_MOVIERECORD_MEDIA_FLOG2C_HDMI_BLACKMAGIC	Media1:F-Log2 C HDMI:Blackmagic
<model>_MOVIERECORD_MEDIA_HLG_HDMI_ATMOS	Media1:HLG HDMI:ATMOS
<model>_MOVIERECORD_MEDIA_HLG_HDMI_BLACKMAGIC	Media1:HLG HDMI:Blackmagic

MODEL DEPENDENT API

**Remarks**

This function can be used in State S3.

**See Also**

CapFlogRecording, GetFlogRecording

**4.2.17.65. GetFlogRecording****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

**Description**

Gets the F-Log/HLG RECODING setting.

**Syntax**

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS

XSDK\_ERROR : ERROR

**Parameters**

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_GetFlogRecording

lAPIParam (IN) <model>\_API\_PARAM\_GetFlogRecording

plSetting (OUT)

<model>_MOVIERECORD_MEDIA_FSIM_HDMI_FSI M	Media1 : Fsim HDMI : Fsim
<model>_MOVIERECORD_MEDIA_FLOG_HDMI_FL OG	Media1 : F-Log HDMI : F-Log
<model>_MOVIERECORD_MEDIA_FLOG2_HDMI_FL OG2	Media1 : F-Log2 HDMI : F-Log2
<model>_MOVIERECORD_MEDIA_FSIM_HDMI_FLO G	Media1 : Fsim HDMI : F-Log
<model>_MOVIERECORD_MEDIA_FSIM_HDMI_FLO G2	Media1 : Fsim HDMI : F-Log2
<model>_MOVIERECORD_MEDIA_FLOG_HDMI_FSI M	Media1 : F-Log HDMI : Fsim
<model>_MOVIERECORD_MEDIA_FLOG2_HDMI_FS IM	Media1 : F-Log2 HDMI : Fsim
<model>_MOVIERECORD_MEDIA_HLG_HDMI_HLG	Media1 : HLG

	HDMI:HLG
<model>_MOVIERECORD_MEDIA_FSIM_HDMI_FLOG2C	Media1:Fsim HDMI:F-Log2 C
<model>_MOVIERECORD_MEDIA_FLOG2C_HDMI_FLOG2C	Media1:F-Log2 C HDMI:F-Log2 C
<model>_MOVIERECORD_MEDIA_FSIM_HDMI_ATMOS	Media1:Fsim HDMI:ATMOS
<model>_MOVIERECORD_MEDIA_FSIM_HDMI_BLACKMAGIC	Media1:Fsim HDMI:Blackmagic
<model>_MOVIERECORD_MEDIA_FLOG_HDMI_ATMOS	Media1:F-Log HDMI:
<model>_MOVIERECORD_MEDIA_FLOG_HDMI_BLACKMAGIC	Media1:F-Log HDMI:Blackmagic
<model>_MOVIERECORD_MEDIA_FLOG2_HDMI_ATMOS	Media1:F-Log2 HDMI:ATMOS
<model>_MOVIERECORD_MEDIA_FLOG2_HDMI_BLACKMAGIC	Media1:F-Log2 HDMI:Blackmagic
<model>_MOVIERECORD_MEDIA_FLOG2C_HDMI_ATMOS	Media1:F-Log2 C HDMI:ATMOS
<model>_MOVIERECORD_MEDIA_FLOG2C_HDMI_BLACKMAGIC	Media1:F-Log2 C HDMI:Blackmagic
<model>_MOVIERECORD_MEDIA_HLG_HDMI_ATMOS	Media1:HLG HDMI:ATMOS
<model>_MOVIERECORD_MEDIA_HLG_HDMI_BLACKMAGIC	Media1:HLG HDMI:Blackmagic

MODEL DEPENDENT API

**Remarks**

This function can be used in State S3.

**See Also**

CapFlogRecording, SetFlogRecording

4.2.17.66. CapMovieDataLevelSetting

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported DATA LEVEL SETTING settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_CapMovieDataLevelSetting	
lAPIParam	(IN)	<model>_API_PARAM_CapMovieDataLevelSetting	
plNum	(OUT)	Returns the number of “SetMovieDataLevelSetting” settings supported.	
plSetting	(OUT)		
		<model>_MOVIE_DATA_LEVEL_SETTING_FULL	Full
		<model>_MOVIE_DATA_LEVEL_SETTING_VIDEO	Video

Remarks

This function can be used in State S3.

See Also

SetMovieDataLevelSetting、GetMovieDataLevelSetting

4.2.17.67. SetMovieDataLevelSetting

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the DATA LEVEL SETTING setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetMovieDataLevelSetting	
lAPIParam	(IN)	<model>_API_PARAM_SetMovieDataLevelSetting	
lSetting	(IN)		
		<model>_MOVIE_DATA_LEVEL_SETTING_FULL	Full
		<model>_MOVIE_DATA_LEVEL_SETTING_VIDEO	Video

Remarks

This function can be used in State S3.

See Also

CapMovieDataLevelSetting, GetMovieDataLevelSetting

4.2.17.68. GetMovieDataLevelSetting

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the DATA LEVEL SETTING setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_GetMovieDataLevelSetting	
lAPIParam	(IN)	<model>_API_PARAM_GetMovieDataLevelSetting	
plSetting	(OUT)		
		<model>_MOVIE_DATA_LEVEL_SETTING_FULL	Full
		<model>_MOVIE_DATA_LEVEL_SETTING_VIDEO	Video

Remarks

This function can be used in State S3.

See Also

SetMovieDataLevelSetting、GetMovieDataLevelSetting

4.2.17.69. CapMovieHighFrequencyFlickerlessMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓									✓	✓	✓	✓

Description

Queries supported FLICKERLESS S.S. SETTING settings.

Syntax

```
APIENTRY XSDK_CapProp (  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plNum,  
    long* plMode  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.					
lAPICode	(IN)	<model>_API_CODE_CapMovieHighFrequencyFlickerlessMode					
lAPIParam	(IN)	<model>_API_PARAM_CapMovieHighFrequencyFlickerlessMode					
plNum	(OUT)	Returns the number of “SetMovieHighFrequencyFlickerlessMode” settings supported.					
plMode	(OUT)	<table><tr><td>&lt;model&gt;_ON</td><td>ON</td></tr><tr><td>&lt;model&gt;_OFF</td><td>OFF</td></tr></table>		<model>_ON	ON	<model>_OFF	OFF
<model>_ON	ON						
<model>_OFF	OFF						

Remarks

This function can be used in State S3.

See Also

SetMovieHighFrequencyFlickerlessMode, GetMovieHighFrequencyFlickerlessMode

4.2.17.70. SetMovieHighFrequencyFlickerlessMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
				✓				✓	✓	✓	✓									✓	✓	✓	✓

Description

Sets the FLICKERLESS S.S. SETTING setting.

Syntax

```
APIENTRY XSDK_SetProp (  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lMode  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.					
lAPICode	(IN)	<model>_API_CODE_SetMovieHighFrequencyFlickerlessMode					
lAPIParam	(IN)	<model>_API_PARAM_SetMovieHighFrequencyFlickerlessMode					
lMode	(IN)	<table><tr><td>&lt;model&gt;_ON</td><td>ON</td></tr><tr><td>&lt;model&gt;_OFF</td><td>OFF</td></tr></table>		<model>_ON	ON	<model>_OFF	OFF
<model>_ON	ON						
<model>_OFF	OFF						

Remarks

This function can be used in State S3.

See Also

CapMovieHighFrequencyFlickerlessMode, GetMovieHighFrequencyFlickerlessMode

4.2.17.71. GetMovieHighFrequencyFlickerlessMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the FLICKERLESS S.S. SETTING setting.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plMode
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieHighFrequencyFlickerlessMode
lAPIParam	(IN)	<model>_API_PARAM_GetMovieHighFrequencyFlickerlessMode
plMode	(OUT)	See lMode of “SetMovieHighFrequencyFlickerlessMode”.

Remarks

This function can be used in State S3.

See Also

CapMovieHighFrequencyFlickerlessMode, SetMovieHighFrequencyFlickerlessMode

4.2.17.72. CapMovieIsMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported IS MODE settings.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapMovieIsMode
lAPIParam	(IN)	<model>_API_PARAM_CapMovieIsMode
plNum	(OUT)	Returns the number of “SetMovieIsMode” settings supported.
plSetting	(OUT)	

<model>_MOVIE_IS_MODE_OFF	OFF
<model>_MOVIE_IS_MODE_ON	ON
<model>_MOVIE_IS_MODE_IBIS_OIS	ON(IBIS/OIS)
<model>_MOVIE_IS_MODE_IBIS_OIS_DIS	ON(IBIS/OIS + DIS)
<model>_MOVIE_IS_MODE_OIS	ON(OIS)
<model>_MOVIE_IS_MODE_OIS_DIS	ON(OIS + DIS)

Remarks

This function can be used in State S3.

See Also

SetMovieIsMode, GetMovieIsMode

4.2.17.73. SetMovieIsMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the IS MODE setting.

Syntax

```
APIENTRY XSDK_SetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetMovieIsMode	
lAPIParam	(IN)	<model>_API_PARAM_SetMovieIsMode	
lSetting	(IN)		
		<model>_MOVIE_IS_MODE_OFF	OFF
		<model>_MOVIE_IS_MODE_ON	ON
		<model>_MOVIE_IS_MODE_IBIS_OIS	ON(IBIS/OIS)
		<model>_MOVIE_IS_MODE_IBIS_OIS_DIS	ON(IBIS/OIS + DIS)
		<model>_MOVIE_IS_MODE_OIS	ON(OIS)
		<model>_MOVIE_IS_MODE_OIS_DIS	ON(OIS + DIS)

Remarks

This function can be used in State S3.

See Also

CapMovieIsMode, GetMovieIsMode

4.2.17.74. GetMovieIsMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA5S
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the IS MODE setting.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieIsMode
lAPIParam	(IN)	<model>_API_PARAM_GetMovieIsMode
plSetting	(OUT)	See lSetting of “SetMovieIsMode”.

Remarks

This function can be used in State S3.

See Also

CapMovieIsMode, SetMovieIsMode

4.2.17.75. CapMovieIsModeBoost

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported IS MODE BOOST settings.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.					
lAPICode	(IN)	<model>_API_CODE_CapMovieIsModeBoost					
lAPIParam	(IN)	<model>_API_PARAM_CapMovieIsModeBoost					
plNum	(OUT)	Returns the number of “SetMovieIsModeBoost” settings supported.					
plSetting	(OUT)	<table><tr><td>&lt;model&gt;_ON</td><td>ON</td></tr><tr><td>&lt;model&gt;_OFF</td><td>OFF</td></tr></table>		<model>_ON	ON	<model>_OFF	OFF
<model>_ON	ON						
<model>_OFF	OFF						

Remarks

This function can be used in State S3.

See Also

SetMovieIsModeBoost, GetMovieIsModeBoost

MODEL DEPENDENT API

4.2.17.76. SetMovieIsModeBoost

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the IS MODE BOOST setting.

Syntax

```
APIENTRY XSDK_SetProp (  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetMovieIsModeBoost	
lAPIParam	(IN)	<model>_API_PARAM_SetMovieIsModeBoost	
lSetting	(IN)		
		<model>_ON	ON
		<model>_OFF	OFF

Remarks

This function can be used in State S3.

See Also

CapMovieIsModeBoost, GetMovieIsModeBoost

4.2.17.77. GetMovieIsModeBoost

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the IS MODE BOOST setting.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieIsModeBoost
lAPIParam	(IN)	<model>_API_PARAM_GetMovieIsModeBoost
plSetting	(OUT)	See lSetting of “SetMovieIsModeBoost”.

Remarks

This function can be used in State S3.

See Also

CapMovieIsModeBoost, SetMovieIsModeBoost

4.2.17.78. CapMovieZebraSetting

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported ZEBRA SETTING settings.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.							
lAPICode	(IN)	<model>_API_CODE_CapMovieZebraSetting							
lAPIParam	(IN)	<model>_API_PARAM_CapMovieZebraSetting							
plNum	(OUT)	Returns the number of “SetMovieZebraSetting” settings supported.							
plSetting	(OUT)	<table><tr><td>&lt;model&gt;_MOVIE_ZEBRA_SETTING_OFF</td><td>OFF</td></tr><tr><td>&lt;model&gt;_MOVIE_ZEBRA_SETTING_RIGHT</td><td>Zebra right</td></tr><tr><td>&lt;model&gt;_MOVIE_ZEBRA_SETTING_LEFT</td><td>Zebra left</td></tr></table>		<model>_MOVIE_ZEBRA_SETTING_OFF	OFF	<model>_MOVIE_ZEBRA_SETTING_RIGHT	Zebra right	<model>_MOVIE_ZEBRA_SETTING_LEFT	Zebra left
<model>_MOVIE_ZEBRA_SETTING_OFF	OFF								
<model>_MOVIE_ZEBRA_SETTING_RIGHT	Zebra right								
<model>_MOVIE_ZEBRA_SETTING_LEFT	Zebra left								

Remarks

This function can be used in State S3.

See Also

SetMovieZebraSetting, GetMovieZebraSetting

4.2.17.79. SetMovieZebraSetting

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the ZEBRA SETTING setting.

Syntax

```
APIENTRY XSDK_SetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetMovieZebraSetting	
lAPIParam	(IN)	<model>_API_PARAM_SetMovieZebraSetting	
lSetting	(IN)		
		<model>_MOVIE_ZEBRA_SETTING_OFF	OFF
		<model>_MOVIE_ZEBRA_SETTING_RIGHT	Zebra right
		<model>_MOVIE_ZEBRA_SETTING_LEFT	Zebra left

Remarks

This function can be used in State S3.

See Also

CapMovieZebraSetting, GetMovieZebraSetting

4.2.17.80. GetMovieZebraSetting

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA5S
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the ZEBRA SETTING setting.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieZebraSetting
lAPIParam	(IN)	<model>_API_PARAM_GetMovieZebraSetting
plSetting	(OUT)	See lSetting of “SetMovieZebraSetting”.

Remarks

This function can be used in State S3.

See Also

CapMovieZebraSetting, SetMovieZebraSetting

4.2.17.81. CapMovieZebraLevel

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA5S
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported ZEBRA LEVEL settings.

Syntax

```
APIENTRY XSDK_CapProp (  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plNum,  
    long* plSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapMovieZebraLevel
lAPIParam	(IN)	<model>_API_PARAM_CapMovieZebraLevel
plNum	(OUT)	Returns the number of “SetMovieZebraLevel” settings supported.
plSetting	(OUT)	

50	50%
55	55%
60	60%
65	65%
70	70%
75	75%
80	80%
85	85%
90	90%
95	95%
100	100%

Remarks

This function can be used in State S3.

**See Also**

SetMovieZebraLevel, SetMovieZebraLevel

4.2.17.82. SetMovieZebraLevel

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the ZEBRA LEVEL setting.

Syntax

```
APIENTRY XSDK_SetProp (  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetMovieZebraLevel

lAPIParam (IN) <model>\_API\_PARAM\_SetMovieZebraLevel

lSetting (IN)

50	50%
55	55%
60	60%
65	65%
70	70%
75	75%
80	80%
85	85%
90	90%
95	95%
100	100%

Remarks

This function can be used in State S3.

See Also

CapMovieZebraLevel, GetMovieZebraLevel

4.2.17.83. GetMovieZebraLevel

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA 55
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the ZEBRA LEVEL setting.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieZebraLevel
lAPIParam	(IN)	<model>_API_PARAM_GetMovieZebraLevel
plSetting	(OUT)	See lSetting of “SetMovieZebraLevel”.

Remarks

This function can be used in State S3.

See Also

CapMovieZebraLevel, SetMovieZebraLevel

MODEL DEPENDENT API

**4.2.17.84. CapWaveFormVectorScope****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
											✓									✓	✓	✓	✓

**Description**

Queries supported WAVE FORM/VECTOR SCOPE settings.

**Syntax**

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS

XSDK\_ERROR : ERROR

**Parameters**

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_CapWaveFormVectorScope

lAPIParam (IN) <model>\_API\_PARAM\_CapWaveFormVectorScope

plNum (OUT) Returns the number of “SetWaveFormVectorScope” settings supported.

plSetting (OUT)

<model>_WAVEFORM_VECTORSCOPE_OFF	OFF
<model>_WAVEFORM_VECTORSCOPE_WAVEFORM	Waveform
<model>_WAVEFORM_VECTORSCOPE_PARADE	Parade
<model>_WAVEFORM_VECTORSCOPE_VECTORSCOPE	Vectorscope
<model>_WAVEFORM_VECTORSCOPE_RGB_HISTOGRAM	RGB Histogram
<model>_WAVEFORM_VECTORSCOPE_HISTOGRAM	Histogram

**Remarks**

This function can be used in State S3.

**See Also**

SetWaveFormVectorScope, GetWaveFormVectorScope

4.2.17.85. SetWaveFormVectorScope

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
											✓									✓	✓	✓	✓

Description

Sets the WAVE FORM/VECTOR SCOPE setting.

Syntax

```
APIENTRY XSDK_SetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetWaveFormVectorScope	
lAPIParam	(IN)	<model>_API_PARAM_SetWaveFormVectorScope	
lSetting	(IN)		
		<model>_WAVEFORM_VECTORSCOPE_OFF	OFF
		<model>_WAVEFORM_VECTORSCOPE_WAVEFORM	Waveform
		<model>_WAVEFORM_VECTORSCOPE_PARADE	Parade
		<model>_WAVEFORM_VECTORSCOPE_VECTORSCOPE	Vectorscope

Remarks

This function can be used in State S3.

See Also

CapWaveFormVectorScope, GetWaveFormVectorScope

4.2.17.86. GetWaveFormVectorScope

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
											✓								✓	✓	✓	✓

Description

Get the WAVE FORM/VECTOR SCOPE setting.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_GetWaveFormVectorScope

lAPIParam (IN) <model>\_API\_PARAM\_GetWaveFormVectorScope

plSetting (OUT)

<model>_WAVEFORM_VECTORSCOPE_OFF	OFF
<model>_WAVEFORM_VECTORSCOPE_WAVEFORM	Waveform
<model>_WAVEFORM_VECTORSCOPE_PARADE	Parade
<model>_WAVEFORM_VECTORSCOPE_VECTORSCOPE	Vectorscope

Remarks

This function can be used in State S3.

See Also

CapWaveFormVectorScope, SetWaveFormVectorScope

4.2.17.87. GetWaveFormData

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
											✓								✓	✓	✓	✓

Description

Get the WaveForm data.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSize
    unsigned char* pData
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetFocusMapData
lAPIParam	(IN)	<model>_API_PARAM_GetFocusMapData
plSize	(OUT)	Returns the waveform monitor data size
pData	(OUT)	Returns the waveform monitor data

Remarks

This function can be used in State S3.

See Also

None

MODEL DEPENDENT API

4.2.17.88.      GetVectorScopeData

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
											✓								✓	✓	✓	✓

Description

Gets the VECTOR SCOPE data.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE  hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSize
    unsigned char* pData
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetVectorScopeData
lAPIParam	(IN)	<model>_API_PARAM_GetVectorScopeData
plSize	(OUT)	Returns the vector scope data size
pData	(OUT)	Returns the vector scope data

Remarks

This function can be used in State S3.

See Also

None

MODEL DEPENDENT API

4.2.17.89. GetParadeData

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
											✓								✓	✓	✓	✓

Description

Gets the PARADE data.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSize
    unsigned char* pData
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetParadeData
lAPIParam	(IN)	<model>_API_PARAM_GetParadeData
plSize	(OUT)	Returns the parade data size
pData	(OUT)	Returns the parade data

Remarks

This function can be used in State S3.

See Also

None

MODEL DEPENDENT API

4.2.17.90. CapWaveFormSetting

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
											✓								✓	✓	✓	✓

Description

Queries supported WAVEFORM settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapWaveFormSetting
lAPIParam	(IN)	<model>_API_PARAM_CapWaveFormSetting
plNum	(OUT)	Returns the number of “SetWaveFormSetting” settings supported.
plSetting	(OUT)	

<model>_WAVEFORM_SETTING_PATTERN1	PATTERN1
<model>_WAVEFORM_SETTING_PATTERN2	PATTERN2
<model>_WAVEFORM_SETTING_PATTERN3	PATTERN3
<model>_WAVEFORM_SETTING_PATTERN4	PATTERN4

Remarks

This function can be used in State S3.

See Also

SetWaveFormSetting, GetWaveFormSetting

MODEL DEPENDENT API

4.2.17.91. SetWaveFormSetting

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
											✓								✓	✓	✓	✓

Description

Sets the WAVEFORM setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetWaveFormSetting	
lAPIParam	(IN)	<model>_API_PARAM_SetWaveFormSetting	
lSetting	(IN)		
		<model>_WAVEFORM_SETTING_PATTERN1	PATTERN1
		<model>_WAVEFORM_SETTING_PATTERN2	PATTERN2
		<model>_WAVEFORM_SETTING_PATTERN3	PATTERN3
		<model>_WAVEFORM_SETTING_PATTERN4	PATTERN4

Remarks

This function can be used in State S3.

See Also

CapWaveFormSetting, GetWaveFormSetting

4.2.17.92. GetWaveFormSetting

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
											✓								✓	✓	✓	✓

Description

Gets the WAVEFORM setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plSetting  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_GetWaveFormSetting	
lAPIParam	(IN)	<model>_API_PARAM_GetWaveFormSetting	
plSetting	(OUT)		
		<model>_WAVEFORM_SETTING_PATTERN1	PATTERN1
		<model>_WAVEFORM_SETTING_PATTERN2	PATTERN2
		<model>_WAVEFORM_SETTING_PATTERN3	PATTERN3
		<model>_WAVEFORM_SETTING_PATTERN4	PATTERN4

Remarks

This function can be used in State S3.

See Also

CapWaveFormSetting, SetWaveFormSetting

MODEL DEPENDENT API

4.2.17.93. CapVectorScopeSetting

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
											✓								✓	✓	✓	✓

Description

Queries supported VECTORSCOPE settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* pNum,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapVectorScopeSetting
lAPIParam	(IN)	<model>_API_PARAM_CapVectorScopeSetting
pNum	(OUT)	Returns the number of “SetVectorScopeSetting” settings supported.
plSetting	(OUT)	

<model>_VECTORSCORE_SETTING_PATTERN1	PATTERN1
<model>_VECTORSCORE_SETTING_PATTERN2	PATTERN2
<model>_VECTORSCORE_SETTING_PATTERN3	PATTERN3
<model>_VECTORSCORE_SETTING_PATTERN4	PATTERN4

Remarks

This function can be used in State S3.

See Also

SetVectorScopeSetting, GetVectorScopeSetting

4.2.17.94. SetVectorScopeSetting

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
											✓								✓	✓	✓	✓

Description

Sets the VECTORSCOPE setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetVectorScopeSetting	
lAPIParam	(IN)	<model>_API_PARAM_SetVectorScopeSetting	
lSetting	(IN)		
		<model>_VECTORSCORE_SETTING_PATTERN1	PATTERN1
		<model>_VECTORSCORE_SETTING_PATTERN2	PATTERN2
		<model>_VECTORSCORE_SETTING_PATTERN3	PATTERN3
		<model>_VECTORSCORE_SETTING_PATTERN4	PATTERN4

Remarks

This function can be used in State S3.

See Also

CapVectorScopeSetting, GetVectorScopeSetting

4.2.17.95.      GetVectorScopeSetting

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
											✓									✓	✓	✓	✓

Description

Gets the VECTORSCOPE setting.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE  hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_GetVectorScopeSetting	
lAPIParam	(IN)	<model>_API_PARAM_GetVectorScopeSetting	
plSetting	(IN)		
		<model>_VECTORSCORE_SETTING_PATTERN1	PATTERN1
		<model>_VECTORSCORE_SETTING_PATTERN2	PATTERN2
		<model>_VECTORSCORE_SETTING_PATTERN3	PATTERN3
		<model>_VECTORSCORE_SETTING_PATTERN4	PATTERN4

Remarks

This function can be used in State S3.

See Also

CapVectorScopeSetting, SetVectorScopeSetting

MODEL DEPENDENT API

4.2.17.96. CapParadeSettingDisplay

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
											✓								✓	✓	✓	✓

Description

Queries supported PARADE SETTING (SWICH DISP.) settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* pNum,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapParadeSettingDisplay
lAPIParam	(IN)	<model>_API_PARAM_CapParadeSettingDisplay
pNum	(OUT)	Returns the number of “SetParadeSettingDisplay” settings supported.
plSetting	(OUT)	

<model>_PARADE_SETTING_DISPLAY_PATTERN1	PATTERN1
<model>_PARADE_SETTING_DISPLAY_PATTERN2	PATTERN2
<model>_PARADE_SETTING_DISPLAY_PATTERN3	PATTERN3
<model>_PARADE_SETTING_DISPLAY_PATTERN4	PATTERN4

Remarks

This function can be used in State S3.

See Also

SetParadeSettingDisplay, GetParadeSettingDisplay

4.2.17.97. SetParadeSettingDisplay

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
											✓								✓	✓	✓	✓

Description

Sets the PARADE SETTING (SWICH DISP.) setting

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetParadeSettingDisplay

lAPIParam (IN) <model>\_API\_PARAM\_SetParadeSettingDisplay

lSetting (IN)

<model>_PARADE_SETTING_DISPLAY_PATTERN1	PATTERN1
<model>_PARADE_SETTING_DISPLAY_PATTERN2	PATTERN2
<model>_PARADE_SETTING_DISPLAY_PATTERN3	PATTERN3
<model>_PARADE_SETTING_DISPLAY_PATTERN4	PATTERN4

Remarks

This function can be used in State S3.

See Also

CapParadeSettingDisplay, GetParadeSettingDisplay

4.2.17.98. GetParadeSettingDisplay

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
											✓								✓	✓	✓	✓

Description

Gets the PARADE SETTING (SWICH DISP.) setting

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_GetParadeSettingDisplay

lAPIParam (IN) <model>\_API\_PARAM\_GetParadeSettingDisplay

plSetting (OUT)

<model>_PARADE_SETTING_DISPLAY_PATTERN1	PATTERN1
<model>_PARADE_SETTING_DISPLAY_PATTERN2	PATTERN2
<model>_PARADE_SETTING_DISPLAY_PATTERN3	PATTERN3
<model>_PARADE_SETTING_DISPLAY_PATTERN4	PATTERN4

Remarks

This function can be used in State S3.

See Also

CapParadeSettingDisplay, SetParadeSettingDisplay

4.2.17.99. CapParadeSettingColor

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
											✓								✓	✓	✓	✓

Description

Queries supported PARADE SETTING (COLOR) settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* pNum,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.					
lAPICode	(IN)	<model>_API_CODE_CapParadeSettingColor					
lAPIParam	(IN)	<model>_API_PARAM_CapParadeSettingColor					
plNum	(OUT)	Returns the number of “SetParadeSettingColor” settings supported.					
plSetting	(OUT)	<table><tr><td>&lt;model&gt;_PARADE_SETTING_COLOR_RGB</td><td>RGB</td></tr><tr><td>&lt;model&gt;_PARADE_SETTING_COLOR_WHITE</td><td>WHITE</td></tr></table>		<model>_PARADE_SETTING_COLOR_RGB	RGB	<model>_PARADE_SETTING_COLOR_WHITE	WHITE
<model>_PARADE_SETTING_COLOR_RGB	RGB						
<model>_PARADE_SETTING_COLOR_WHITE	WHITE						

Remarks

This function can be used in State S3.

See Also

SetParadeSettingColor, GetParadeSettingColor

MODEL DEPENDENT API

4.2.17.100. SetParadeSettingColor

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
											✓								✓	✓	✓	✓

Description

Sets the PARADE SETTING (COLOR) setting

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetParadeSettingColor

lAPIParam (IN) <model>\_API\_PARAM\_SetParadeSettingColor

lSetting (IN)

<model>_PARADE_SETTING_COLOR_RGB	RGB
<model>_PARADE_SETTING_COLOR_WHITE	WHITE

Remarks

This function can be used in State S3.

See Also

CapParadeSettingColor, GetParadeSettingColor

4.2.17.101. GetParadeSettingColor

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
											✓								✓	✓	✓	✓

Description

Gets the PARADE SETTING (COLOR) setting

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_GetParadeSettingColor	
lAPIParam	(IN)	<model>_API_PARAM_GetParadeSettingColor	
plSetting	(OUT)		
		<model>_PARADE_SETTING_COLOR_RGB	RGB
		<model>_PARADE_SETTING_COLOR_WHITE	WHITE

Remarks

This function can be used in State S3.

See Also

CapParadeSettingColor, SetParadeSettingColor

MODEL DEPENDENT API

4.2.17.102. CapMovieOptimizedControl

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported MOVIE OPTIMIZED MODE settings.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.					
lAPICode	(IN)	<model>_API_CODE_CapMovieOptimizedControl					
lAPIParam	(IN)	<model>_API_PARAM_CapMovieOptimizedControl					
plNum	(OUT)	Returns the number of “SetMovieOptimizedControl” settings supported.					
plSetting	(OUT)	<table><tr><td>&lt;model&gt;_ON</td><td>ON</td></tr><tr><td>&lt;model&gt;_OFF</td><td>OFF</td></tr></table>		<model>_ON	ON	<model>_OFF	OFF
<model>_ON	ON						
<model>_OFF	OFF						

Remarks

This function can be used in State S3.

See Also

SetMovieOptimizedControl, GetMovieOptimizedControl

4.2.17.103. SetMovieOptimizedControl

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the MOVIE OPTIMIZED MODE setting.

Syntax

```
APIENTRY XSDK_SetProp (  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetMovieOptimizedControl	
lAPIParam	(IN)	<model>_API_PARAM_SetMovieOptimizedControl	
lSetting	(IN)		
		<model>_ON	ON
		<model>_OFF	OFF

Remarks

This function can be used in State S3.

See Also

CapMovieOptimizedControl, GetMovieOptimizedControl

4.2.17.104. GetMovieOptimizedControl

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA5S
				✓				✓	✓	✓	✓									✓	✓	✓	✓

Description

Gets the MOVIE OPTIMIZED MODE setting.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE  hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieOptimizedControl
lAPIParam	(IN)	<model>_API_PARAM_GetMovieOptimizedControl
plSetting	(OUT)	See lSetting of “SetMovieOptimizedControl”.

Remarks

This function can be used in State S3.

See Also

CapMovieOptimizedControl, SetMovieOptimizedControl

4.2.17.105. CapRecFrameIndicator

Supported Cameras

		X-T3	X-T4	X-T5			X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
												✓								✓	✓	✓	✓	✓

Description

Queries supported REC FRAME INDICATOR settings.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapRecFrameIndicator
lAPIParam	(IN)	<model>_API_PARAM_CapRecFrameIndicator
plNum	(OUT)	Returns the number of “SetRecFrameIndicator” settings supported.
plSetting	(OUT)	

<model>_ON	ON
<model>_OFF	OFF

Remarks

This function can be used in State S3.

See Also

SetRecFrameIndicator, GetRecFrameIndicator

4.2.17.106. SetRecFrameIndicator

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA5S
											✓								✓	✓	✓	✓

Description

Sets the REC FRAME INDICATOR setting.

Syntax

```
APIENTRY XSDK_SetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetRecFrameIndicator

lAPIParam (IN) <model>\_API\_PARAM\_SetRecFrameIndicator

lSetting (IN)

<model>_ON	ON
<model>_OFF	OFF

Remarks

This function can be used in State S3.

See Also

CapRecFrameIndicator, GetRecFrameIndicator

4.2.17.107. GetRecFrameIndicator

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
											✓								✓	✓	✓	✓

Description

Get the REC FRAME INDICATOR setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_GetRecFrameIndicator

lAPIParam (IN) <model>\_API\_PARAM\_GetRecFrameIndicator

plSetting (OUT)

<model>_ON	ON
<model>_OFF	OFF

Remarks

This function can be used in State S3.

See Also

CapRecFrameIndicator, SetRecFrameIndicator

4.2.17.108. CapMovieTallyLight

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported TALLY LAMP settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapMovieTallyLight
lAPIParam	(IN)	<model>_API_PARAM_CapMovieTallyLight
plNum	(OUT)	Returns the number of “SetMovieTallyLight” settings supported.
plSetting	(OUT)	See lSetting of “SetMovieTallyLight”.

Remarks

This function can be used in State S3.

See Also

SetMovieTallyLight, GetMovieTallyLight

MODEL DEPENDENT API

**4.2.17.109. SetMovieTallyLight****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

**Description**

Sets the TALLY LAMP setting.

**Syntax**

```
APIENTRY XSDK_SetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS

XSDK\_ERROR : ERROR

**Parameters**

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetMovieTallyLight

lAPIParam (IN) <model>\_API\_PARAM\_SetMovieTallyLight

lSetting (IN)

<model>_MOVIE_TALLYLIGHT_FRONT_OFF_REAR_ON	Front OFF Rear ON
<model>_MOVIE_TALLYLIGHT_FRONT_OFF_REAR_BLINK	Front OFF Rear Blinking
<model>_MOVIE_TALLYLIGHT_FRONT_ON_REAR_ON	Front ON Rear ON
<model>_MOVIE_TALLYLIGHT_FRONT_ON_REAR_OFF	Front ON Rear OFF
<model>_MOVIE_TALLYLIGHT_FRONT_BLINK_REAR_BLINK	Front Blinking Rear Blinking
<model>_MOVIE_TALLYLIGHT_FRONT_BLINK_REAR_OFF	Front Blinking Rear OFF
<model>_MOVIE_TALLYLIGHT_FRONT_OFF_REAR_OFF	Front OFF Rear OFF

**Remarks**

---

This function can be used in State S3.

**See Also**

CapMovieTallyLight, GetMovieTallyLight

4.2.17.110. GetMovieTallyLight

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the TALLY LAMP setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plSetting  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieTallyLight
lAPIParam	(IN)	<model>_API_PARAM_GetMovieTallyLight
plSetting	(OUT)	See “SetMovieTallyLight” for supported values.

Remarks

This function can be used in State S3.

See Also

CapMovieTallyLight, SetMovieTallyLight

MODEL DEPENDENT API

4.2.17.111. CapFanSetting

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
								✓	✓	✓	✓								✓			✓

Description

Queries supported COOLING FAN SETTING settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapFanSetting
lAPIParam	(IN)	<model>_API_PARAM_CapFanSetting
plNum	(OUT)	Returns the number of “SetFanSetting” settings supported.
plSetting	(OUT)	See lSetting of “SetFanSetting”.

Remarks

This function can be used in State S3.

See Also

SetFanSetting

4.2.17.112. SetFanSetting

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
								✓	✓	✓	✓								✓			✓

Description

Sets COOLING FAN SETTING setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetFanSetting	
lAPIParam	(IN)	<model>_API_PARAM_SetFanSetting	
lSetting	(OUT)		
		<model>_FAN_SETTING_OFF	OFF
		<model>_FAN_SETTING_WEAK	LOW
		<model>_FAN_SETTING_STRONG	HIGH
		<model>_FAN_SETTING_AUTO1	AUTO1
		<model>_FAN_SETTING_AUTO2	AUTO2

Remarks

This function can be used in State S3.

See Also

GetFanSetting

MODEL DEPENDENT API

4.2.17.113. GetFanSetting

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
								✓	✓	✓	✓								✓			✓

Description

Gets COOLING FAN SETTING setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetFanSetting
lAPIParam	(IN)	<model>_API_PARAM_GetFanSetting
plSetting	(OUT)	See lSetting of “SetFanSetting”.

Remarks

This function can be used in State S3.

See Also

SetFanSetting

4.2.17.114. SetMovieCustomSetting

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the EDIT/SAVE CUSTOM SETTING setting.

Synta

```
APIENTRY XSDK_SetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lCustomSetting,
    long lDestination
    long lSource
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetMovieCustomSetting	
lAPIParam	(IN)	<model>_API_PARAM_SetMovieCustomSetting	
lCustomSetting	(IN)		
		<model>_CUSTOM_SELECT	Custom settings specified in lDestination are reflected in the current settings.
		<model>_CUSTOM_SAVE	Save the current settings to the custom settings specified in lDestination.
		<model>_CUSTOM_INIT	Initialize custom settings specified in lDestination.
		<model>_CUSTOM_COPY	Copy the custom settings specified in lSource to the custom settings specified in lDestination.
lDestination	(IN)	Sets Custom Designation Destination.	
		<model>_CUSTOM_1	Custom1
		<model>_CUSTOM_2	Custom2

			<model>_CUSTOM_3	Custom3
			<model>_CUSTOM_4	Custom4
			<model>_CUSTOM_5	Custom5
			<model>_CUSTOM_6	Custom6
			<model>_CUSTOM_7	Custom7
lSource	(IN)	Custom settings for specified source. (Use only for copying.)		
		<model>_CUSTOM_1	Custom1	
		<model>_CUSTOM_2	Custom2	
		<model>_CUSTOM_3	Custom3	
		<model>_CUSTOM_4	Custom4	
		<model>_CUSTOM_5	Custom5	
		<model>_CUSTOM_6	Custom6	
		<model>_CUSTOM_7	Custom7	

Remarks

This function can be used in State S3.

See Also

None

4.2.17.115. SetMovieCustomName

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the EDIT CUSTOM SETTING name.

Syntax

```
APIENTRY XSDK_SetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lCustomNumber ,
    LSTR pCustomName
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetMovieCustomName

lAPIParam (IN) <model>\_API\_PARAM\_SetMovieCustomName

lCustomNumber (IN)

<model>_CUSTOM_1	Custom1
<model>_CUSTOM_2	Custom2
<model>_CUSTOM_3	Custom3
<model>_CUSTOM_4	Custom4
<model>_CUSTOM_5	Custom5
<model>_CUSTOM_6	Custom6
<model>_CUSTOM_7	Custom7

pCustomName (IN) Set custom registration name for No. set in lCustomNumber.  
254 characters + NULL (character limit follows camera specifications).

Remarks

This function can be used in State S3.

See Also

GetMovieCustomName

4.2.17.116. GetMovieCustomName

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the EDIT CUSTOM SETTING name.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lCustomNumber ,
    LSTR pCustomName
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieCustomName
lAPIParam	(IN)	<model>_API_PARAM_GetMovieCustomName
lCustomNumber	(IN)	See lSetting of “SetMovieCustomName”.
pCustomName	(OUT)	Get the custom registration name of No. set in lCustomNumber. 254 characters + NULL (character limit follows camera specifications).

Remarks

This function can be used in State S3.

See Also

SetMovieCustomName

4.2.17.117. CapMovieDigitalZoom

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
									✓														

Description

Queries supported DIGITAL TELE-CONV. settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapMovieDigitalZoom
lAPIParam	(IN)	<model>_API_PARAM_CapMovieDigitalZoom
plNum	(OUT)	Returns the number of "SetMovieDigitalZoom" settings supported.
plSetting	(OUT)	"SetMovieDigitalZoom" List of possible values.

Remarks

This function can be used in State S3.

See Also

SetMovieDigitalZoom、GetMovieDigitalZoom

4.2.17.118. SetMovieDigitalZoom

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
									✓													

Description

Sets the DIGITAL TELE-CONV. setting.

Syntax

```
APIENTRY XSDK_SetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_SetMovieDigitalZoom
lAPIParam	(IN)	<model>_API_PARAM_SetMovieDigitalZoom
lSetting	(IN)	Setting value (must be a configurable value obtained with CapMovieDigitalZoom).

Remarks

This function can be used in State S3.

See Also

CapMovieDigitalZoom, GetMovieDigitalZoom

MODEL DEPENDENT API

4.2.17.119. GetMovieDigitalZoom

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
									✓													

Description

Gets the DIGITAL TELE-CONV. setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieDigitalZoom
lAPIParam	(IN)	<model>_API_PARAM_GetMovieDigitalZoom
plSetting	(OUT)	The current setting value obtained.

Remarks

This function can be used in State S3.

See Also

SetMovieDigitalZoom, GetMovieDigitalZoom

4.2.17.120. GetMovieDigitalZoomRange

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
									✓														

Description

Gets the DIGITAL TELE-CONV. RANGE setting.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plCurrent,
    long* plMin,
    long* plMax
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieDigitalZoom
lAPIParam	(IN)	<model>_API_PARAM_GetMovieDigitalZoom
plCurrent	(OUT)	Current value.
plMin	(OUT)	Minimum value.
plMax	(OUT)	Maximum value.

Remarks

This function can be used in State S3.

See Also

None.

MODEL DEPENDENT API

4.2.17.121. GetMovieRecordingTime

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA5S
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the RECORDING TIME.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plHour,
    long* plMinute,
    long* plSecond,
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieRecordingTime
lAPIParam	(IN)	<model>_API_PARAM_GetMovieRecordingTime
plHour	(OUT)	Hour: 0-23
plMinute	(OUT)	Minute: 0-59
plSecond	(OUT)	Second: 0-59

Remarks

This function can be used in State S3.

See Also

None

4.2.17.122. GetMovieRemainingTime

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the REMAINING TIME.

Syntax

```
APIENTRY XSDK_GetProp (  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plHour,  
    long* plMinute,  
    long* plSecond,  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieRemainingTime
lAPIParam	(IN)	<model>_API_PARAM_GetMovieRemainingTime
plHour	(OUT)	Hour: 0-23
plMinute	(OUT)	Minute: 0-59
plSecond	(OUT)	Second: 0-59

Remarks

This function can be used in State S3.

See Also

None

4.2.17.123. GetHistogramData

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the HISTOGRAM data.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSize,
    SDK_HistogramData* pulData
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetHistogramData
lAPIParam	(IN)	<model>_API_PARAM_GetHistogramData
plSize	(OUT)	The current setting value obtained.
pulData	(OUT)	Histogram data obtained from the camera.

The structure of the obtained data is as follows.

```
typedef struct {
    long* lLuminance;
    long* lColorR;
    long* lColorG;
    long* lColorB;
} SDK_HistogramData;
```

lLuminance:  
Luminance.

lColorR:  
Red channel intensity.

---

IColorG:

Green channel intensity.

IColorB:

Blue channel intensity.

**Remarks**

This function can be used in State S3.

**See Also**

None.

4.2.17.124. GetBodyTemperatureWarning

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
											✓								✓	✓	✓	✓

Description

Gets the TEMPERATURE LIMIT information.

Syntax

```
APIENTRY XSDK_GetProp (  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plWarning  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_GetBodyTemperatureWarning	
lAPIParam	(IN)	<model>_API_PARAM_GetBodyTemperatureWarning	
plWarning	(OUT)		
		<model>_BODY_TEMPERATURE_WARNING_NONE	None
		<model>_BODY_TEMPERATURE_WARNING_YELLOW	Caution (Yellow)
		<model>_BODY_TEMPERATURE_WARNING_RED	Warning (Red)

Remarks

This function can be used in State S3.

See Also

None

4.2.17.125. CapShortMovieSecond

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
											✓												

Description

Queries supported SHORT MOVIE MODE SECONDS SETUP settings.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_CapShortMovieSecond	
lAPIParam	(IN)	<model>_API_PARAM_CapShortMovieSecond	
plNum	(OUT)	Returns the number of “SetShortMovieSecond” settings supported	
plSetting	(OUT)		
		<model>_SHORT_MOVIE_SECOND_OFF	OFF
		<model>_SHORT_MOVIE_SECOND_15S	15Second
		<model>_SHORT_MOVIE_SECOND_30S	30Second
		<model>_SHORT_MOVIE_SECOND_60S	60Second

Remarks

This function can be used in State S3.

See Also

SetShortMovieSecond ,GetShortMovieSecond

4.2.17.126. SetShortMovieSecond

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
											✓												

Description

Sets the SHORT MOVIE MODE SECONDS SETUP setting.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetShortMovieSecond	
lAPIParam	(IN)	<model>_API_PARAM_SetShortMovieSecond	
lSetting	(IN)		
		<model>_SHORT_MOVIE_SECOND_OFF	OFF
		<model>_SHORT_MOVIE_SECOND_15S	15Second
		<model>_SHORT_MOVIE_SECOND_30S	30Second
		<model>_SHORT_MOVIE_SECOND_60S	60Second

Remarks

This function can be used in State S3.

See Also

CapShortMovieSecond ,GetShortMovieSecond

MODEL DEPENDENT API

#### 4.2.17.127. GetShortMovieSecond

## Supported Cameras

GFX ETTERNA55	
GFX100RF	
GFX100S II	
GFX100 II	
GFX50S II	
GFX100S	
GFX100	
GFX 50R	
GFX 50S	
X-M5	↘
X-S20	
X-H2	
X-H2S	
X-S10	
X-Pro3	
X-T5	
X-T4	
X-T3	

### Description

Gets the SHORT MOVIE MODE SECONDS SETUP setting.

## Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE    hCamera,
    long IAPICode,
    long IAPIParam,
    long* plSetting
);
```

### Return Value

```
XSDK_COMPLETE : SUCCESS
XSDK_ERROR : ERROR
```

## Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetShortMovieSecond
lAPIParam	(IN)	<model>_API_PARAM_GetShortMovieSecond
plSetting	(OUT)	See lSetting of “SetShortMovieSecond”.

## Remarks

This function can be used in State S3.

## See Also

#### 4.2.17.128. CapShortMovieSecond ,SetShortMovieSecondGetMovieTransparentFrameInfo

## Supported Cameras

GFX ETERNA 55	
GFX100RF	✓
GFX100S II	
GFX100 II	
GFX50S II	
GFX100S	
GFX100	
GFX 50R	
GFX 50S	
X-M5	✓
X-S20	
X-H2	
X-H2S	
X-S10	
X-Pro3	
X-T5	
X-T4	
X-T3	

### Description

Gets the Transparent frame information.

## Syntax

APIENTRY XSDK\_GetProp (

```
XSDK_HANDLE  hCamera,
long  lAPICode,
long  lAPIParam,
<model>_SDK_MovieTransparentFrameInfo* pFrameInfo
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieTransparentFrameInfo
lAPIParam	(IN)	<model>_API_PARAM_GetMovieTransparentFrameInfo
pFrameInfo	(OUT)	Pointer to a structure (SDK_MovieTransparentFrameInfo) table.

```
typedef struct {
    long    IX;
    long    IY;
    long    lLength_H;
    long    lLength_V;
    long    lAlpha;
} SDK_TrackingAffFrameInfo;
```

IX:  
Frame origin position in percent (100%=1024)

IY:  
Frame origin position in percent (100%=1024)

lLength\_H:  
Horizontal line length in percent (100%=1024)

lLength\_V:  
Vertical line length in percent (100%=1024)

lAlpha:  
Transparency, 0~100(%)

Remarks

This function can be used in State S3.

See Also

None

4.2.17.129. GetMovieExposureIndexCurrentValue

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Gets the current ISO sensitivity value.

Syntax

```
APIENTRY XSDK_GetProp (  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_GetMovieExposureIndexCurrentValue

lAPIParam (IN) <model>\_API\_PARAM\_GetMovieExposureIndexCurrentValue

plSetting (OUT)

<model>_MOVIEEXPOSUREINDEXCURRENTVALUE_ISO50	ISO50
<model>_MOVIEEXPOSUREINDEXCURRENTVALUE_ISO60	ISO60
<model>_MOVIEEXPOSUREINDEXCURRENTVALUE_ISO80	ISO80
<model>_MOVIEEXPOSUREINDEXCURRENTVALUE_ISO100	ISO100
<model>_MOVIEEXPOSUREINDEXCURRENTVALUE_ISO125	ISO125
<model>_MOVIEEXPOSUREINDEXCURRENTVALUE_ISO160	ISO160
<model>_MOVIEEXPOSUREINDEXCURRENTVALUE_ISO200	ISO200
<model>_MOVIEEXPOSUREINDEXCURRENTVALUE_ISO250	ISO250
<model>_MOVIEEXPOSUREINDEXCURRENTVALUE_ISO320	ISO320
<model>_MOVIEEXPOSUREINDEXCURRENTVALUE_ISO400	ISO400
<model>_MOVIEEXPOSUREINDEXCURRENTVALUE_ISO500	ISO500
<model>_MOVIEEXPOSUREINDEXCURRENTVALUE_ISO640	ISO640
<model>_MOVIEEXPOSUREINDEXCURRENTVALUE_ISO800	ISO800
<model>_MOVIEEXPOSUREINDEXCURRENTVALUE_ISO1000	ISO1000

<model>_MOVIEEXPOSUREINDEXCURRENTVALUE_ISO1250	ISO1250
<model>_MOVIEEXPOSUREINDEXCURRENTVALUE_ISO1600	ISO1600
<model>_MOVIEEXPOSUREINDEXCURRENTVALUE_ISO2000	ISO2000
<model>_MOVIEEXPOSUREINDEXCURRENTVALUE_ISO2500	ISO2500
<model>_MOVIEEXPOSUREINDEXCURRENTVALUE_ISO3200	ISO3200
<model>_MOVIEEXPOSUREINDEXCURRENTVALUE_ISO4000	ISO4000
<model>_MOVIEEXPOSUREINDEXCURRENTVALUE_ISO5000	ISO5000
<model>_MOVIEEXPOSUREINDEXCURRENTVALUE_ISO6400	ISO6400
<model>_MOVIEEXPOSUREINDEXCURRENTVALUE_ISO8000	ISO8000
<model>_MOVIEEXPOSUREINDEXCURRENTVALUE_ISO10000	ISO10000
<model>_MOVIEEXPOSUREINDEXCURRENTVALUE_ISO12800	ISO12800
<model>_MOVIEEXPOSUREINDEXCURRENTVALUE_ISO16000	ISO16000
<model>_MOVIEEXPOSUREINDEXCURRENTVALUE_ISO20000	ISO20000
<model>_MOVIEEXPOSUREINDEXCURRENTVALUE_ISO25600	ISO25600
<model>_MOVIEEXPOSUREINDEXCURRENTVALUE_ISO32000	ISO32000
<model>_MOVIEEXPOSUREINDEXCURRENTVALUE_ISO40000	ISO40000
<model>_MOVIEEXPOSUREINDEXCURRENTVALUE_ISO51200	ISO51200
<model>_MOVIEEXPOSUREINDEXCURRENTVALUE_ISO64000	ISO64000
<model>_MOVIEEXPOSUREINDEXCURRENTVALUE_ISO80000	ISO80000
<model>_MOVIEEXPOSUREINDEXCURRENTVALUE_ISO102400	ISO102400

**Remarks**

This function can be used in State S3.

**See Also**

None

**4.2.17.130. CapMovieProjectFrameRate****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																						✓

**Description**

Queries supported PROJECT FPS settings.

**Syntax**

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Parameters**

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_CapMovieProjectFrameRate

lAPIParam (IN) <model>\_API\_PARAM\_CapMovieProjectFrameRate

plNum (OUT) Returns the number of "SetMovieProjectFrameRate" settings supported

plSetting (OUT)

<model>_MOVIE_FRAMERATE_59_94P	59.94P
<model>_MOVIE_FRAMERATE_50P	50P
<model>_MOVIE_FRAMERATE_29_97P	29.97P
<model>_MOVIE_FRAMERATE_25P	25P
<model>_MOVIE_FRAMERATE_24P	24P
<model>_MOVIE_FRAMERATE_23_98P	23.98P
<model>_MOVIE_FRAMERATE_48P	48P
<model>_MOVIE_FRAMERATE_47_95P	47.95P

**Remarks**

This function can be used in State S3.

**See Also**

SetMovieProjectFrameRate ,GetMovieProjectFrameRate

4.2.17.131. SetMovieProjectFrameRate

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
																						✓

Description

Sets the PROJECT FPS setting.

Syntax

```
APIENTRY XSDK_SetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetMovieProjectFrameRate	
lAPIParam	(IN)	<model>_API_PARAM_SetMovieProjectFrameRate	
lSetting	(IN)	<model>_MOVIE_FRAMERATE_59_94P	59.94P
		<model>_MOVIE_FRAMERATE_50P	50P
		<model>_MOVIE_FRAMERATE_29_97P	29.97P
		<model>_MOVIE_FRAMERATE_25P	25P
		<model>_MOVIE_FRAMERATE_24P	24P
		<model>_MOVIE_FRAMERATE_23_98P	23.98P
		<model>_MOVIE_FRAMERATE_48P	48P
		<model>_MOVIE_FRAMERATE_47_95P	47.95P

Remarks

This function can be used in State S3.

See Also

CapMovieProjectFrameRate ,GetMovieProjectFrameRate

4.2.17.132. GetMovieProjectFrameRate

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Gets the PROJECT FPS setting.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieProjectFrameRate
lAPIParam	(IN)	<model>_API_PARAM_GetMovieProjectFrameRate
plSetting	(OUT)	See lSetting of “SetMovieProjectFrameRate”.

Remarks

This function can be used in State S3.

See Also

CapMovieProjectFrameRate ,SetMovieProjectFrameRate

4.2.17.133. CapMovieHDMIOutput

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Queries supported HDMI OUTPUT settings.

Syntax

```
APIENTRY XSDK_CapProp (  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plNum,  
    long* plSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_CapMovieHDMIOutput	
lAPIParam	(IN)	<model>_API_PARAM_CapMovieHDMIOutput	
plNum	(OUT)	Returns the number of “SetMovieHDMIOutput” settings supported	
plSetting	(OUT)		
		<model>_ON	ON
		<model>_OFF	OFF

Remarks

This function can be used in State S3.

See Also

SetMovieHDMIOutput ,GetMovieHDMIOutput

4.2.17.134. SetMovieHDMIOutput

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Sets the HDMI OUTPUT setting.

Syntax

```
APIENTRY XSDK_SetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.				
lAPICode	(IN)	<model>_API_CODE_SetMovieHDMIOutput				
lAPIParam	(IN)	<model>_API_PARAM_SetMovieHDMIOutput				
lSetting	(IN)	<table><tr><td>&lt;model&gt;_ON</td><td>ON</td></tr><tr><td>&lt;model&gt;_OFF</td><td>OFF</td></tr></table>	<model>_ON	ON	<model>_OFF	OFF
<model>_ON	ON					
<model>_OFF	OFF					

Remarks

This function can be used in State S3.

See Also

CapMovieHDMIOutput ,GetMovieHDMIOutput

MODEL DEPENDENT API

4.2.17.135. GetMovieHDMIOutput

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Gets the HDMI OUTPUT setting.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieHDMIOutput
lAPIParam	(IN)	<model>_API_PARAM_GetMovieHDMIOutput
plSetting	(OUT)	See lSetting of “SetMovieHDMIOutput”.

Remarks

This function can be used in State S3.

See Also

CapMovieHDMIOutput ,SetMovieHDMIOutput

4.2.17.136. CapMovieFrameGuideCenterMarkerColor

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Queries supported COLOR settings of CENTERMARKER in the FRAMING GUIDELINE.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICod (IN) <model>\_API\_CODE\_CapMovieFrameGuideCenterMarkerColor  
e

lAPIPara (IN) <model>\_API\_PARAM\_CapMovieFrameGuideCenterMarkerColor  
m

plNum (OUT) Returns the number of “SetMovieFrameGuideCenterMarkerColor” settings supported

plSetting (OUT)

<model>_MOVIE_FRAMEGUIDE_COLOR_BLACK	Black
<model>_MOVIE_FRAMEGUIDE_COLOR_WHITE	White
<model>_MOVIE_FRAMEGUIDE_COLOR_YELLOW	Yellow
<model>_MOVIE_FRAMEGUIDE_COLOR_MAGENTA	Magenta
<model>_MOVIE_FRAMEGUIDE_COLOR_CYAN	Cyan

Remarks

This function can be used in State S3.

See Also

SetMovieFrameGuideCenterMarkerColor,GetMovieFrameGuideCenterMarkerColor

4.2.17.137. SetMovieFrameGuideCenterMarkerColor

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Sets the COLOR setting of CENTERMARKER in the FRAMING GUIDELINE.

Syntax

```
APIENTRY XSDK_SetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetMovieFrameGuideCenterMarkerColor	
lAPIParam	(IN)	<model>_API_PARAM_SetMovieFrameGuideCenterMarkerColor	
lSetting	(IN)	<model>_MOVIE_FRAMEGUIDE_COLOR_BLACK	Black
		<model>_MOVIE_FRAMEGUIDE_COLOR_WHITE	White
		<model>_MOVIE_FRAMEGUIDE_COLOR_YELLOW	Yellow
		<model>_MOVIE_FRAMEGUIDE_COLOR_MAGENTA	Magenta
		<model>_MOVIE_FRAMEGUIDE_COLOR_CYAN	Cyan

Remarks

This function can be used in State S3.

See Also

CapMovieFrameGuideCenterMarkerColor ,GetMovieFrameGuideCenterMarkerColor

MODEL DEPENDENT API

4.2.17.138. GetMovieFrameGuideCenterMarkerColor

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
																							✓

Description

Gets the COLOR setting of CENTERMARKER in the FRAMING GUIDELINE.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieFrameGuideCenterMarkerColor
lAPIParam	(IN)	<model>_API_PARAM_GetMovieFrameGuideCenterMarkerColor
plSetting	(OUT)	See lSetting of “SetMovieFrameGuideCenterMarkerColor”.

Remarks

This function can be used in State S3.

See Also

CapMovieFrameGuideCenterMarkerColor ,SetMovieFrameGuideCenterMarkerColor

MODEL DEPENDENT API

4.2.17.139. CapMovieFrameGuideCenterMarkerThickness

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Queries supported FLAMELINE settings of CENTERMARKER in the FRAMING GUIDELINE.

Syntax

```
APIENTRY XSDK_CapProp (  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plNum,  
    long* plSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICod (IN) <model>\_API\_CODE\_CapMovieFrameGuideCenterMarkerThickness  
e

lAPIPara (IN) <model>\_API\_PARAM\_CapMovieFrameGuideCenterMarkerThickness  
m

plNum (OUT) Returns the number of “SetMovieFrameGuideCenterMarkerThickness” settings supported

plSetting (OUT)

<model>_MOVIE_FRAMEGUIDE_FRAMELINE1	1(thin)
<model>_MOVIE_FRAMEGUIDE_FRAMELINE2	2
<model>_MOVIE_FRAMEGUIDE_FRAMELINE3	3
<model>_MOVIE_FRAMEGUIDE_FRAMELINE4	4 (thick)

Remarks

This function can be used in State S3.

See Also

SetMovieFrameGuideCenterMarkerThickness,GetMovieFrameGuideCenterMarkerThickness

4.2.17.140. SetMovieFrameGuideCenterMarkerThickness

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Sets the FLAMELINE setting of CENTERMARKER in the FRAMING GUIDELINE.

Syntax

```
APIENTRY XSDK_SetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetMovieFrameGuideCenterMarkerThickness	
lAPIParam	(IN)	<model>_API_PARAM_SetMovieFrameGuideCenterMarkerThickness	
lSetting	(IN)		
		<model>_MOVIE_FRAMEGUIDE_FRAMELINE1	1(thin)
		<model>_MOVIE_FRAMEGUIDE_FRAMELINE2	2
		<model>_MOVIE_FRAMEGUIDE_FRAMELINE3	3
		<model>_MOVIE_FRAMEGUIDE_FRAMELINE4	4 (thick)

Remarks

This function can be used in State S3.

See Also

CapMovieFrameGuideCenterMarkerThickness,GetMovieFrameGuideCenterMarkerThickness

MODEL DEPENDENT API

4.2.17.141. GetMovieFrameGuideCenterMarkerThickness

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Gets the FLAMELINE setting of CENTERMARKER in the FRAMING GUIDELINE.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieFrameGuideCenterMarkerThickness
lAPIParam	(IN)	<model>_API_PARAM_GetMovieFrameGuideCenterMarkerThickness
plSetting	(OUT)	See lSetting of “SetMovieFrameGuideCenterMarkerThickness”.

Remarks

This function can be used in State S3.

See Also

CapMovieFrameGuideCenterMarkerThickness ,SetMovieFrameGuideCenterMarkerThickness

MODEL DEPENDENT API

4.2.17.142. CapLUTSettings

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Queries supported LUT SETTINGS.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* lCategory,
    long* plNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.											
lAPICode	(IN)	<model>_API_CODE_CapLUTSettings											
lAPIParam	(IN)	<model>_API_PARAM_CapLUTSettings											
lCategory	(IN)	<table><tr><td>&lt;model&gt;_LUTSETTING_CATEGORY_FILMSIMULATION</td><td>Filmsimulation</td></tr><tr><td>&lt;model&gt;_LUTSETTING_CATEGORY_FLOG</td><td>Flog</td></tr><tr><td>&lt;model&gt;LUTSETTING_CATEGORY_FLOG2</td><td>Flog2</td></tr><tr><td>&lt;model&gt;_LUTSETTING_CATEGORY_FLOG2C</td><td>Flog2 C</td></tr><tr><td>&lt;model&gt;_LUTSETTING_CATEGORY_HLG</td><td>HLG</td></tr></table>		<model>_LUTSETTING_CATEGORY_FILMSIMULATION	Filmsimulation	<model>_LUTSETTING_CATEGORY_FLOG	Flog	<model>LUTSETTING_CATEGORY_FLOG2	Flog2	<model>_LUTSETTING_CATEGORY_FLOG2C	Flog2 C	<model>_LUTSETTING_CATEGORY_HLG	HLG
<model>_LUTSETTING_CATEGORY_FILMSIMULATION	Filmsimulation												
<model>_LUTSETTING_CATEGORY_FLOG	Flog												
<model>LUTSETTING_CATEGORY_FLOG2	Flog2												
<model>_LUTSETTING_CATEGORY_FLOG2C	Flog2 C												
<model>_LUTSETTING_CATEGORY_HLG	HLG												
plNum	(OUT)	Returns the number of “SetLUTSettings” settings supported											
plSetting	(OUT)	<table><tr><td>&lt;model&gt;_LUTSETTING_DEFAULT</td><td>Default</td></tr><tr><td>&lt;model&gt;_LUTSETTING_LUT1</td><td>User LUT1</td></tr><tr><td>&lt;model&gt;_LUTSETTING_LUT2</td><td>User LUT2</td></tr><tr><td>&lt;model&gt;_LUTSETTING_LUT3</td><td>User LUT3</td></tr><tr><td>&lt;model&gt;_LUTSETTING_LUT4</td><td>User LUT4</td></tr></table>		<model>_LUTSETTING_DEFAULT	Default	<model>_LUTSETTING_LUT1	User LUT1	<model>_LUTSETTING_LUT2	User LUT2	<model>_LUTSETTING_LUT3	User LUT3	<model>_LUTSETTING_LUT4	User LUT4
<model>_LUTSETTING_DEFAULT	Default												
<model>_LUTSETTING_LUT1	User LUT1												
<model>_LUTSETTING_LUT2	User LUT2												
<model>_LUTSETTING_LUT3	User LUT3												
<model>_LUTSETTING_LUT4	User LUT4												

<model>_LUTSETTING_LUT5	User LUT5
<model>_LUTSETTING_LUT6	User LUT6
<model>_LUTSETTING_LUT7	User LUT7
<model>_LUTSETTING_LUT8	User LUT8
<model>_LUTSETTING_LUT9	User LUT9
<model>_LUTSETTING_LUT10	User LUT10
<model>LUTSETTING_LUT11	User LUT11
<model>_LUTSETTING_LUT12	User LUT12
<model>_LUTSETTING_LUT13	User LUT13
<model>_LUTSETTING_LUT14	User LUT14
<model>_LUTSETTING_LUT15	User LUT15
<model>LUTSETTING_LUT16	User LUT16

Remarks

This function can be used in State S3.

See Also

SetLUTSettings,GetLUTSettings

4.2.17.143. SetLUTSettings

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Sets the LUT SETTING.

Syntax

```
APIENTRY XSDK_SetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lCategory,
    long lSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_SetLUTSettings
lAPIParam	(IN)	<model>_API_PARAM_SetLUTSettings
lCategory	(IN)	

<model>_LUTSETTING_CATEGORY_FILMSIMULATION	Filmsmulation
<model>_LUTSETTING_CATEGORY_FLOG	Flog
<model>LUTSETTING_CATEGORY_FLOG2	Flog2
<model>_LUTSETTING_CATEGORY_FLOG2C	Flog2 C
<model>_LUTSETTING_CATEGORY_HLG	HLG

lSetting	(IN)	
		<model>_LUTSETTING_DEFAULT
		Default
		<model>_LUTSETTING_LUT1
		User LUT1
		<model>_LUTSETTING_LUT2
		User LUT2
		<model>_LUTSETTING_LUT3
		User LUT3
		<model>_LUTSETTING_LUT4
		User LUT4
		<model>_LUTSETTING_LUT5
		User LUT5
		<model>_LUTSETTING_LUT6
		User LUT6

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	<model>_LUTSETTING_LUT7	User LUT7
	<model>_LUTSETTING_LUT8	User LUT8
	<model>_LUTSETTING_LUT9	User LUT9
	<model>_LUTSETTING_LUT10	User LUT10
	<model>LUTSETTING_LUT11	User LUT11
	<model>_LUTSETTING_LUT12	User LUT12
	<model>_LUTSETTING_LUT13	User LUT13
	<model>_LUTSETTING_LUT14	User LUT14
	<model>_LUTSETTING_LUT15	User LUT15
	<model>LUTSETTING_LUT16	User LUT16

Remarks

This function can be used in State S3.

See Also

CapLUTSettings,GetLUTSettings

4.2.17.144. GetLUTSettings

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
																							✓

Description

Gets the LUT SETTING.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lCategory,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_GetLUTSettings	
lAPIParam	(IN)	<model>_API_PARAM_GetLUTSettings	
lCategory	(IN)	<model>_LUTSETTING_CATEGORY_FILMSIMULATION	Filmsmulation
		<model>_LUTSETTING_CATEGORY_FLOG	Flog
		<model>LUTSETTING_CATEGORY_FLOG2	Flog2
		<model>_LUTSETTING_CATEGORY_FLOG2C	Flog2 C
		<model>_LUTSETTING_CATEGORY_HLG	HLG
plSetting	(OUT)	See lSetting of “SetLUTSettings”.	

Remarks

This function can be used in State S3.

See Also

CapLUTSettings ,SetLUTSettings

4.2.17.145. CapMovieMediaRecordContainer

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Queries supported FILE FORMAT settings of MEDIA REC SETTING.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapMovieMediaRecordContainer
lAPIParam	(IN)	<model>_API_PARAM_CapMovieMediaRecordContainer
plNum	(OUT)	Returns the number of “SetMovieMediaRecordContainer” settings supported
plSetting	(OUT)	

<model>_MOVIE_MEDIARECORD_CONTAINER_MOV	MOV
<model>_MOVIE_MEDIARECORD_CONTAINER_MXF	MXF

Remarks

This function can be used in State S3.

See Also

SetMovieMediaRecordContainer,GetMovieMediaRecordContainer

4.2.17.146. SetMovieMediaRecordContainer

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Sets the FILE FORMAT setting of MEDIA REC SETTING.

Syntax

```
APIENTRY XSDK_SetProp (  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetMovieMediaRecordContainer

lAPIParam (IN) <model>\_API\_PARAM\_SetMovieMediaRecordContainer

lSetting (IN)

<model>_MOVIE_MEDIARECORD_CONTAINER_MOV	MOV
<model>_MOVIE_MEDIARECORD_CONTAINER_MXF	MXF

Remarks

This function can be used in State S3.

See Also

CapMovieMediaRecordContainer,GetMovieMediaRecordContainer

4.2.17.147. GetMovieMediaRecordContainer

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Gets the FILE FORMAT setting of MEDIA REC SETTING.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieMediaRecordContainer
lAPIParam	(IN)	<model>_API_PARAM_GetMovieMediaRecordContainer
plSetting	(OUT)	See lSetting of “SetMovieMediaRecordContainer”.

Remarks

This function can be used in State S3.

See Also

CapMovieMediaRecordContainer ,SetMovieMediaRecordContainer

4.2.17.148. SetClipSetting

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Sets the CLIP SETTING.

Syntax

```
APIENTRY XSDK_SetProp (  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    LPSTR pClipSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_SetClipSetting
lAPIParam	(IN)	<model>_API_PARAM_SetClipSetting
pClipSetting	(IN)	Camera ID: 1 character (A-Z) + Reel No: 4 characters (0-9) + NULL

Remarks

This function can be used in State S3.

See Also

GetClipSetting

4.2.17.149. GetClipSetting

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Gets the CLIP SETTING.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    LPSTR pClipSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetClipSetting
lAPIParam	(IN)	<model>_API_PARAM_GetClipSetting
pClipSetting	(OUT)	Camera ID: 1 character (A-Z) + Reel No: 4 characters (0-9) + NULL

Remarks

This function can be used in State S3.

See Also

SetClipSetting

4.2.17.150. CapGenlockSetting

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Queries supported GENLOCK settings.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.				
lAPICode	(IN)	<model>_API_CODE_CapGenlockSetting				
lAPIParam	(IN)	<model>_API_PARAM_CapGenlockSetting				
plNum	(OUT)	Returns the number of “SetGenlockSetting” settings supported				
plSetting	(OUT)	<table><tr><td>&lt;model&gt;_ON</td><td>ON</td></tr><tr><td>&lt;model&gt;_OFF</td><td>OFF</td></tr></table>	<model>_ON	ON	<model>_OFF	OFF
<model>_ON	ON					
<model>_OFF	OFF					

Remarks

This function can be used in State S3.

See Also

SetGenlockSetting,GetGenlockSetting

MODEL DEPENDENT API

4.2.17.151. SetGenlockSetting

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
																							✓

Description

Sets the GENLOCK setting.

Syntax

```
APIENTRY XSDK_SetProp (  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.					
lAPICode	(IN)	<model>_API_CODE_SetGenlockSetting					
lAPIParam	(IN)	<model>_API_PARAM_SetGenlockSetting					
lSetting	(IN)	<table><tr><td>&lt;model&gt;_ON</td><td>ON</td></tr><tr><td>&lt;model&gt;_OFF</td><td>OFF</td></tr></table>		<model>_ON	ON	<model>_OFF	OFF
<model>_ON	ON						
<model>_OFF	OFF						

Remarks

This function can be used in State S3.

See Also

CapGenlockSetting,GetGenlockSetting

4.2.17.152. GetGenlockSetting

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Gets the GENLOCK setting.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetGenlockSetting
lAPIParam	(IN)	<model>_API_PARAM_GetGenlockSetting
plSetting	(OUT)	See lSetting of “SetGenlockSetting”.

Remarks

This function can be used in State S3.

See Also

CapGenlockSetting ,SetGenlockSetting

4.2.17.153. CapMovieFrameGuideDisplay

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Queries supported FRAME1/FRAME2/FRAME3 DISP settings of FRAMING GUIDELINE.

The FRAME number should be specified prior to calling this API via SetMovieFrameGuideMode.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICod (IN) <model>\_API\_CODE\_CapMovieFrameGuideDisplay  
e

lAPIPara (IN) <model>\_API\_PARAM\_CapMovieFrameGuideDisplay  
m

plNum (OUT) Returns the number of “SetMovieFrameGuideDisplay” settings supported

plSetting (OUT)

<model>_ON	ON
<model>_OFF	OFF

Remarks

This function can be used in State S3.

See Also

SetMovieFrameGuideDisplay, GetMovieFrameGuideDisplay

4.2.17.154. SetMovieFrameGuideDisplay

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Sets the FRAME1/FRAME2/FRAME3 DISP setting of FRAMING GUIDELINE.

The FRAME number should be specified prior to calling this API via SetMovieFrameGuideMode.

Syntax

```
APIENTRY XSDK_SetProp (
    XSDK_HANDLE  hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetMovieFrameGuideDisplay	
lAPIParam	(IN)	<model>_API_PARAM_SetMovieFrameGuideDisplay	
lSetting	(IN)		
		<model>_ON	ON
		<model>_OFF	OFF

Remarks

This function can be used in State S3.

See Also

CapMovieFrameGuideDisplay,GetMovieFrameGuideDisplay

4.2.17.155. GetMovieFrameGuideDisplay

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
																							✓

Description

Gets the FRAME1/FRAME2/FRAME3 DISP setting of FRAMING GUIDELINE.

The FRAME number should be specified prior to calling this API via SetMovieFrameGuideMode.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE  hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieFrameGuideDisplay
lAPIParam	(IN)	<model>_API_PARAM_GetMovieFrameGuideDisplay
plSetting	(OUT)	See lSetting of “SetMovieFrameGuideDisplay”.

Remarks

This function can be used in State S3.

See Also

CapMovieFrameGuideDisplay ,SetMovieFrameGuideDisplay

**4.2.17.156. CapMovieFrameGuideAspect****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

**Description**

Queries supported ASPECT RATIO settings of FRAMING GUIDELINE.

The FRAME number should be specified prior to calling this API via SetMovieFrameGuideMode.

**Syntax**

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Parameters**

hCamera (IN) The camera handle.

lAPICod (IN) <model>\_API\_CODE\_CapMovieFrameGuideAspect

lAPIPara (IN) <model>\_API\_PARAM\_CapMovieFrameGuideAspect

plNum (OUT) Returns the number of “SetMovieFrameGuideAspect” settings supported

plSetting (OUT)

<model>_MOVIE_FRAMEGUIDE_ASPECT_CUSTOM	Custom
<model>_MOVIE_FRAMEGUIDE_ASPECT_2_39_1	2.39:1
<model>_MOVIE_FRAMEGUIDE_ASPECT_17_9	17:9
<model>_MOVIE_FRAMEGUIDE_ASPECT_16_9	16:9
<model>_MOVIE_FRAMEGUIDE_ASPECT_5_4	5:4
<model>_MOVIE_FRAMEGUIDE_ASPECT_4_3	4:3
<model>_MOVIE_FRAMEGUIDE_ASPECT_3_2	3:2
<model>_MOVIE_FRAMEGUIDE_ASPECT_1_1	1:1

**Remarks**

This function can be used in State S3.

---

**See Also**

SetMovieFrameGuideAspect, GetMovieFrameGuideAspect

4.2.17.157. SetMovieFrameGuideAspect

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
																							✓

Description

Sets the ASPECT RATIO setting of FRAMING GUIDELINE.

The FRAME number should be specified prior to calling this API via SetMovieFrameGuideMode.

Syntax

```
APIENTRY XSDK_SetProp (  
    XSDK_HANDLE  hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetMovieFrameGuideAspect

lAPIParam (IN) <model>\_API\_PARAM\_SetMovieFrameGuideAspect

lSetting (IN)

<model>_MOVIE_FRAMEGUIDE_ASPECT_CUSTOM	Custom
<model>_MOVIE_FRAMEGUIDE_ASPECT_2_39_1	2.39:1
<model>_MOVIE_FRAMEGUIDE_ASPECT_17_9	17:9
<model>_MOVIE_FRAMEGUIDE_ASPECT_16_9	16:9
<model>_MOVIE_FRAMEGUIDE_ASPECT_5_4	5:4
<model>_MOVIE_FRAMEGUIDE_ASPECT_4_3	4:3
<model>_MOVIE_FRAMEGUIDE_ASPECT_3_2	3:2
<model>_MOVIE_FRAMEGUIDE_ASPECT_1_1	1:1

Remarks

This function can be used in State S3.

See Also

CapMovieFrameGuideAspect,GetMovieFrameGuideAspect

4.2.17.158. GetMovieFrameGuideAspect

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Gets the ASPECT RATIO setting of FRAMING GUIDELINE.

The FRAME number should be specified prior to calling this API via SetMovieFrameGuideMode.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE  hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieFrameGuideAspect
lAPIParam	(IN)	<model>_API_PARAM_GetMovieFrameGuideAspect
plSetting	(OUT)	See lSetting of “SetMovieFrameGuideAspect”.

Remarks

This function can be used in State S3.

See Also

CapMovieFrameGuideAspect ,SetMovieFrameGuideAspect

4.2.17.159. CapMovieFrameGuideColor

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
																							✓

Description

Queries supported COLOR settings of FRAMING GUIDELINE.

The FRAME number should be specified prior to calling this API via SetMovieFrameGuideMode.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICod (IN) <model>\_API\_CODE\_CapMovieFrameGuideColor  
e

lAPIPara (IN) <model>\_API\_PARAM\_CapMovieFrameGuideColor  
m

plNum (OUT) Returns the number of “SetMovieFrameGuideColor” settings supported

plSetting (OUT)

<model>_MOVIE_FRAMEGUIDE_COLOR_BLACK	Black
<model>_MOVIE_FRAMEGUIDE_COLOR_WHITE	White
<model>_MOVIE_FRAMEGUIDE_COLOR_YELLOW	Yellow
<model>_MOVIE_FRAMEGUIDE_COLOR_MAGENTA	Magenta
<model>_MOVIE_FRAMEGUIDE_COLOR_CYAN	Cyan

Remarks

This function can be used in State S3.

See Also

SetMovieFrameGuideColor,GetMovieFrameGuideColor

4.2.17.160. SetMovieFrameGuideColor

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
																							✓

Description

Sets the COLOR setting of FRAMING GUIDELINE.  
The FRAME number should be specified prior to calling this API via SetMovieFrameGuideMode.

Syntax

```
APIENTRY XSDK_SetProp (  
    XSDK_HANDLE  hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

- hCamera (IN) The camera handle.
- lAPICode (IN) <model>\_API\_CODE\_SetMovieFrameGuideColor
- lAPIParam (IN) <model>\_API\_PARAM\_SetMovieFrameGuideColor
- lSetting (IN)

<model>_MOVIE_FRAMEGUIDE_COLOR_BLACK	Black
<model>_MOVIE_FRAMEGUIDE_COLOR_WHITE	White
<model>_MOVIE_FRAMEGUIDE_COLOR_YELLOW	Yellow
<model>_MOVIE_FRAMEGUIDE_COLOR_MAGENTA	Magenta
<model>_MOVIE_FRAMEGUIDE_COLOR_CYAN	Cyan

Remarks

This function can be used in State S3.

See Also

CapMovieFrameGuideColor,GetMovieFrameGuideColor

MODEL DEPENDENT API

4.2.17.161. GetMovieFrameGuideColor

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Gets the COLOR setting of FRAMING GUIDELINE.

The FRAME number should be specified prior to calling this API via SetMovieFrameGuideMode.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE  hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieFrameGuideColor
lAPIParam	(IN)	<model>_API_PARAM_GetMovieFrameGuideColor
plSetting	(OUT)	See lSetting of “SetMovieFrameGuideColor”.

Remarks

This function can be used in State S3.

See Also

CapMovieFrameGuideColor ,SetMovieFrameGuideColor

4.2.17.162. CapMovieFrameGuideLineThickness

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
																							✓

Description

Queries supported FLAMELINE settings of FRAMING GUIDELINE.

The FRAME number should be specified prior to calling this API via SetMovieFrameGuideMode.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapMovieFrameGuideLineThickness
lAPIParam	(IN)	<model>_API_PARAM_CapMovieFrameGuideLineThickness
plNum	(OUT)	Returns the number of “SetMovieFrameGuideLineThickness” settings supported
plSetting	(OUT)	

<model>_MOVIE_FRAMEGUIDE_FRAMELINE1	1(thin)
<model>_MOVIE_FRAMEGUIDE_FRAMELINE2	2
<model>_MOVIE_FRAMEGUIDE_FRAMELINE3	3
<model>_MOVIE_FRAMEGUIDE_FRAMELINE4	4 (thick)

Remarks

This function can be used in State S3.

See Also

SetMovieFrameGuideLineThickness,GetMovieFrameGuideLineThickness

4.2.17.163. SetMovieFrameGuideLineThickness

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
																							✓

Description

Sets the FLAMELINE setting of FRAMING GUIDELINE.

The FRAME number should be specified prior to calling this API via SetMovieFrameGuideMode.

Syntax

```
APIENTRY XSDK_SetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS

XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetMovieFrameGuideLineThickness

lAPIParam (IN) <model>\_API\_PARAM\_SetMovieFrameGuideLineThickness

lSetting (IN)

<model>_MOVIE_FRAMEGUIDE_FRAMELINE1	1(thin)
<model>_MOVIE_FRAMEGUIDE_FRAMELINE2	2
<model>_MOVIE_FRAMEGUIDE_FRAMELINE3	3
<model>_MOVIE_FRAMEGUIDE_FRAMELINE4	4 (thick)

Remarks

This function can be used in State S3.

See Also

CapMovieFrameGuideLineThickness,GetMovieFrameGuideLineThickness

4.2.17.164. GetMovieFrameGuideLineThickness

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
																							✓

Description

Gets the FLAMELINE setting of FRAMING GUIDELINE.

The FRAME number should be specified prior to calling this API via SetMovieFrameGuideMode.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE  hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieFrameGuideLineThickness
lAPIParam	(IN)	<model>_API_PARAM_GetMovieFrameGuideLineThickness
plSetting	(OUT)	See lSetting of “SetMovieFrameGuideLineThickness”.

Remarks

This function can be used in State S3.

See Also

CapMovieFrameGuideLineThickness ,SetMovieFrameGuideLineThickness

**4.2.17.165. CapMovieFrameGuideMask****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
																							✓

**Description**

Queries supported MASK DISP settings of MASK SETTING in the FRAMING GUIDELINE.

**Syntax**

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Parameters**

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_CapMovieFrameGuideMask

lAPIParam (IN) <model>\_API\_PARAM\_CapMovieFrameGuideMask

plNum (OUT) Returns the number of “SetMovieFrameGuideMask” settings supported

plSetting (OUT)

<model>_ON	ON
<model>_OFF	OFF

**Remarks**

This function can be used in State S3.

4.2.17.166. SetMovieFrameGuideMask

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
																							✓

Description

Sets the MASK DISP setting of MASK SETTING in the FRAMING GUIDELINE.

Syntax

```
APIENTRY XSDK_SetProp (  
    XSDK_HANDLE  hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetMovieFrameGuideMask

lAPIParam (IN) <model>\_API\_PARAM\_SetMovieFrameGuideMask

lSetting (IN)

<model>_ON	ON
<model>_OFF	OFF

Remarks

This function can be used in State S3.

See Also

CapMovieFrameGuideMask,GetMovieFrameGuideMask

4.2.17.167. GetMovieFrameGuideMask

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Gets the MASK DISP setting of MASK SETTING in the FRAMING GUIDELINE.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieFrameGuideMask
lAPIParam	(IN)	<model>_API_PARAM_GetMovieFrameGuideMask
plSetting	(OUT)	See lSetting of “SetMovieFrameGuideMask”.

Remarks

This function can be used in State S3.

See Also

CapMovieFrameGuideMask ,SetMovieFrameGuideMask

4.2.17.168. CapMovieFrameGuideTransparency

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Queries supported MASK TRANSPARENCY settings of MASK SETTING in the FRAMING GUIDELINE.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting_Min,
    long* plSetting_Max
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapMovieFrameGuideTransparency
lAPIParam	(IN)	<model>_API_PARAM_CapMovieFrameGuideTransparency
plSetting_Min	(OUT)	Returns the minimum supported framing guide_mask transparency.
plSetting_Max	(OUT)	Returns the maximum supported framing guide_mask transparency.

Remarks

This function can be used in State S3.

See Also

SetMovieFrameGuideTransparency,GetMovieFrameGuideTransparency

MODEL DEPENDENT API

4.2.17.169. SetMovieFrameGuideTransparency

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Sets the MASK TRANSPARENCY setting of MASK SETTING in the FRAMING GUIDELINE.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_SetMovieFrameGuideTransparency
lAPIParam	(IN)	<model>_API_PARAM_SetMovieFrameGuideTransparency
lSetting	(IN)	Values from 10 to 100, where values from 10 to 100 correspond to 10-100% framing guide_mask transparency, separated by 10.

Remarks

This function can be used in State S3.

See Also

CapMovieFrameGuideTransparency,GetMovieFrameGuideTransparency

MODEL DEPENDENT API

4.2.17.170. GetMovieFrameGuideTransparency

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																						✓

Description

Gets the MASK TRANSPARENCY setting of MASK SETTING in the FRAMING GUIDELINE.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieFrameGuideTransparency
lAPIParam	(IN)	<model>_API_PARAM_GetMovieFrameGuideTransparency
plSetting	(OUT)	See l Setting of “SetMovieFrameGuideTransparency”.

Remarks

This function can be used in State S3.

See Also

SetMovieFrameGuideTransparency,GetMovieFrameGuideTransparency

4.2.17.171. CapMovieFrameGuideCenterMarker

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
																							✓

Description

Queries supported CENTERMASK DISP settings of CENTERMASK SETTING in the FRAMING GUIDELINE.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.					
lAPICode	(IN)	<model>_API_CODE_CapMovieFrameGuideCenterMarker					
lAPIParam	(IN)	<model>_API_PARAM_CapMovieFrameGuideCenterMarker					
plNum	(OUT)	Returns the number of “SetMovieFrameGuideCenterMarker” settings supported					
plSetting	(OUT)	<table><tr><td>&lt;model&gt;_ON</td><td>ON</td></tr><tr><td>&lt;model&gt;_OFF</td><td>OFF</td></tr></table>		<model>_ON	ON	<model>_OFF	OFF
<model>_ON	ON						
<model>_OFF	OFF						

Remarks

This function can be used in State S3.

See Also

SetMovieFrameGuideCenterMarker,GetMovieFrameGuideCenterMarker

4.2.17.172. SetMovieFrameGuideCenterMarker

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA5S
																							✓

Description

Sets the CENTERMASK DISP setting of CENTERMASK SETTING in the FRAMING GUIDELINE.

Syntax

```
APIENTRY XSDK_SetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
IAPICode	(IN)	<model>_API_CODE_SetMovieFrameGuideCenterMarker	
IAPIParam	(IN)	<model>_API_PARAM_SetMovieFrameGuideCenterMarker	
ISetting	(IN)		
		<model>_ON	ON
		<model>_OFF	OFF

Remarks

This function can be used in State S3.

See Also

CapMovieFrameGuideCenterMarker,GetMovieFrameGuideCenterMarker

MODEL DEPENDENT API

4.2.17.173. GetMovieFrameGuideCenterMarker

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Gets the CENTERMASK DISP setting of CENTERMASK SETTING in the FRAMING GUIDELINE.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieFrameGuideCenterMarker
lAPIParam	(IN)	<model>_API_PARAM_GetMovieFrameGuideCenterMarker
plSetting	(OUT)	See lSetting of “SetMovieFrameGuideCenterMarker”.

Remarks

This function can be used in State S3.

See Also

CapMovieFrameGuideCenterMarker,SetMovieFrameGuideCenterMarker

4.2.17.174. SetMovieFrameGuideCustom

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
																							✓

Description

Sets the CUSTOM ASPECT setting of FRAMING GUIDELINE.  
The FRAME number should be specified prior to calling this API via SetMovieFrameGuideMode.

Syntax

```
APIENTRY XSDK_SetProp (  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lHorizontalFrame,  
    long lVerticalFrame  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_SetMovieFrameGuideCustom
lAPIParam	(IN)	<model>_API_PARAM_SetMovieFrameGuideCustom
lHorizontalFrame	(IN)	Aspect ratio horizontal ratio multiplied by 100
lVerticalFrame	(IN)	Aspect ratio Vertical ratio multiplied by 100

Remarks

This function can be used in State S3.

See Also

GetMovieFrameGuideCustom

4.2.17.175. GetMovieFrameGuideCustom

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Gets the CUSTOM ASPECT setting of FRAMING GUIDELINE.

The FRAME number should be specified prior to calling this API via SetMovieFrameGuideMode.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE  hCamera,
    long lAPICode,
    long lAPIParam,
    long* plHorizontalFrame,
    long* plVerticalFrame
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieFrameGuideCustomr
lAPIParam	(IN)	<model>_API_PARAM_GetMovieFrameGuideCustom
plHorizontalFrame	(OUT)	See lHorizontalFrame of “SetMovieFrameGuideColor”.
plVerticalFrame	(OUT)	See lVerticalFrame of “SetMovieFrameGuideColor”.

Remarks

This function can be used in State S3.

See Also

SetMovieFrameGuideCustom

4.2.17.176. GetMovieFrameGuideInfo

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Gets the FRAMING GUIDELINE configurations to reproduce the monitor screen.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum
    SDK_MovieFrameGuideInfo* pGuideInfo
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieTransparentFrameInfo
lAPIParam	(IN)	<model>_API_PARAM_GetMovieTransparentFrameInfo
plNum	(OUT)	Number of pFrameInfo lists
pFrameInfo	(OUT)	Pointer to a structure (SDK_MovieFrameGuideInfo) table.

```
typedef struct {
    long lFrameHomePosition1;
    long lFrameHomePosition2;
    long lLineLength1;
    long lLineLength2;
    long lColorR;
    long lColorG;
    long lColorB;
    long lFrameThickness;
    long lHorizontalPixel;
    long lVerticalPixel;
```

MODEL DEPENDENT API

```
} SDK_MovieFrameGuideInfo;
```

IFrameHomePosition1:

The horizontal coordinate of the top-left point of the FRAMING GUIDELINE in a value normalized to a monitor width of 1024 (0-1023).

IFrameHomePosition2:

The vertical coordinate of the top-left point of the FRAMING GUIDELINE in a value normalized to a monitor height of 1024 (0-1023).

ILineLength1:

The horizontal length of the FRAMING GUIDELINE in a value normalized to a monitor width of 1024 (0-1023).

ILineLength2:

The vertical length of the FRAMING GUIDELINE in a value normalized to a monitor height of 1024 (0-1023).

IColorR:

The red color component of the FRAMING GUIDELINE (0-255).

IColorG:

The green color component of the FRAMING GUIDELINE (0-255).

IColorB:

The blue color component of the FRAMING GUIDELINE (0-255).

IFrameThickness:

The thickness of the FRAMING GUIDELINE(thick 4 – thin 1)

IHorizontalPixel:

The width of the FRAMING GUIDELINE in pixels.

IVerticalPixel:

The height of the FRAMING GUIDELINE in pixels.

---

**Remarks**

This function can be used in State S3.

**See Also**

None

4.2.17.177. CapBatteryWarningPercent

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Queries supported V BATTERY LOW WARNING % settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting_Min,
    long* plSetting_Max
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapBatteryWarningPercent
lAPIParam	(IN)	<model>_API_PARAM_CapBatteryWarningPercent
plSetting_Min	(OUT)	Returns the minimum supported V Battery level warning_percent.
plSetting_Max	(OUT)	Returns the maximum supported V Battery level warning_percent.

Remarks

This function can be used in State S3.

See Also

SetBatteryWarningPercent,GetBatteryWarningPercent

MODEL DEPENDENT API

4.2.17.178. SetBatteryWarningPercent

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
																							✓

Description

Sets the V BATTERY LOW WARNING % setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_SetBatteryWarningPercent
lAPIParam	(IN)	<model>_API_PARAM_SetBatteryWarningPercent
lSetting	(IN)	Values from 0 to 100, where values from 0 to 100 correspond to 0-100% V Battery level warning_percent, separated by 1.

Remarks

This function can be used in State S3.

See Also

CapBatteryWarningPercent,GetBatteryWarningPercent

4.2.17.179. GetBatteryWarningPercent

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Gets the V BATTERY LOW WARNING % setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetBatteryWarningPercent
lAPIParam	(IN)	<model>_API_PARAM_GetBatteryWarningPercent
plSetting	(OUT)	See lSetting of “SetBatteryWarningPercent”.

Remarks

This function can be used in State S3.

See Also

SetBatteryWarningPercent,GetBatteryWarningPercent

4.2.17.180. CapBatteryWarningVoltage

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Queries supported V BATTERY LOW WARNING V settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting_Min,
    long* plSetting_Max
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapBatteryWarningVoltage
lAPIParam	(IN)	<model>_API_PARAM_CapBatteryWarningVoltage
plSetting_Min	(OUT)	Returns the minimum supported V Battery level warning_Voltage (100 = 10.0V).
plSetting_Max	(OUT)	Returns the maximum supported V Battery level warning_Voltage (170 = 17.0V).

Remarks

This function can be used in State S3.

See Also

SetBatteryWarningVoltage,GetBatteryWarningVoltage

MODEL DEPENDENT API

4.2.17.181. SetBatteryWarningVoltage

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Sets the V BATTERY LOW WARNING V setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_SetBatteryWarningVoltage
lAPIParam	(IN)	<model>_API_PARAM_SetBatteryWarningVoltage
lSetting	(IN)	Values from 100 to 170, separated by 1 (100 = 10.0V).

Remarks

This function can be used in State S3.

See Also

CapBatteryWarningVoltage,GetBatteryWarningVoltage

4.2.17.182. GetBatteryWarningVoltage

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																						✓

Description

Gets the V BATTERY LOW WARNING V setting.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetBatteryWarningVoltage
lAPIParam	(IN)	<model>_API_PARAM_GetBatteryWarningVoltage
plSetting	(OUT)	See lSetting of “SetBatteryWarningVoltage”.

Remarks

This function can be used in State S3.

See Also

SetBatteryWarningVoltage,GetBatteryWarningVoltage

4.2.17.183. GetBatteryVoltageInfo

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
																							✓

Description

Gets the V BATTERY voltage in volt.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetBatteryVoltageInfo
lAPIParam	(IN)	<model>_API_PARAM_GetBatteryVoltageInfo
plSetting	(OUT)	Values from 0 to 200, separated by 1 (200 = 20.0V).

Remarks

This function can be used in State S3.

See Also

None

4.2.17.184. CapMovieShutterDisplay

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Queries supported ANGLE / SPEED settings of SHUTTER.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_CapMovieShutterDisplay	
lAPIParam	(IN)	<model>_API_PARAM_CapMovieShutterDisplay	
plNum	(OUT)	Returns the number of “SetMovieShutterDisplay” settings supported	
plSetting	(OUT)		
		<model>_MOVIE_SHUTTER_DISPLAY_ANGLE	Angle
		<model>_MOVIE_SHUTTER_DISPLAY_SPEED	Speed

Remarks

This function can be used in State S3.

See Also

SetMovieShutterDisplay,GetMovieShutterDisplay

MODEL DEPENDENT API

**4.2.17.185. SetMovieShutterDisplay****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
																						✓

**Description**

Sets the ANGLE / SPEED setting of SHUTTER.

**Syntax**

```
APIENTRY XSDK_SetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS

XSDK\_ERROR : ERROR

**Parameters**

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetMovieShutterDisplay

lAPIParam (IN) <model>\_API\_PARAM\_SetMovieShutterDisplay

lSetting (IN)

<model>_MOVIE_SHUTTER_DISPLAY_ANGLE	Angle
<model>_MOVIE_SHUTTER_DISPLAY_SPEED	Speed

**Remarks**

This function can be used in State S3.

**See Also**

CapMovieShutterDisplay, GetMovieShutterDisplay

4.2.17.186. GetMovieShutterDisplay

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Gets the ANGLE / SPEED setting of SHUTTER.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieShutterDisplay
lAPIParam	(IN)	<model>_API_PARAM_GetMovieShutterDisplay
plSetting	(OUT)	See lSetting of “SetMovieShutterDisplay”.

Remarks

This function can be used in State S3.

See Also

CapMovieShutterDisplay,SetMovieShutterDisplay

4.2.17.187. CapMovieShutterAngle

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Queries supported ANGLE settings of SHUTTER.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_ CapMovieShutterAngle
lAPIParam	(IN)	<model>_API_PARAM_ CapMovieShutterAngle
plNum	(OUT)	Returns the number of “SetMovieShutterAngle” settings supported.
plSetting	(OUT)	Returns the of values “SetMovieShutterAngle” settings supported.

Remarks

This function can be used in State S3.

See Also

SetMovieShutterAngle,GetMovieShutterAngle

4.2.17.188. SetMovieShutterAngle

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Sets the ANGLE setting of SHUTTER.

Syntax

```
APIENTRY XSDK_SetProp (  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_SetMovieShutterAngle
lAPIParam	(IN)	<model>_API_PARAM_SetMovieShutterAngle
lSetting	(IN)	Values from 560 to 36000 (560 = 5.6°).

Remarks

This function can be used in State S3.

See Also

CapMovieShutterAngle,GetMovieShutterAngle

4.2.17.189. GetMovieShutterAngle

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
																							✓

Description

Gets the ANGLE setting of SHUTTER.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieShutterAngle
lAPIParam	(IN)	<model>_API_PARAM_GetMovieShutterAngle
plSetting	(OUT)	See lSetting of “SetMovieShutterAngle”.

Remarks

This function can be used in State S3.

See Also

CapMovieShutterAngle,SetMovieShutterAngle

MODEL DEPENDENT API

4.2.17.190. CapFanStopDuringRec

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Queries supported REC MODE SETTINGS of COOLING FAN SETTING.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_ CapFanStopDuringRec	
lAPIParam	(IN)	<model>_API_PARAM_ CapFanStopDuringRec	
plNum	(OUT)	Returns the number of “SetFanStopDuringRec” settings supported	
plSetting	(OUT)		
		<model>_ON	Continue
		<model>_OFF	Stop

Remarks

This function can be used in State S3.

See Also

SetFanStopDuringRec,GetFanStopDuringRec

4.2.17.191. SetFanStopDuringRec

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Sets the REC MODE SETTING of COOLING FAN SETTING.

Syntax

```
APIENTRY XSDK_SetProp (  
    XSDK_HANDLE  hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetFanStopDuringRec

lAPIParam (IN) <model>\_API\_PARAM\_SetFanStopDuringRec

lSetting (IN)

<model>_ON	Continue
<model>_OFF	Stop

Remarks

This function can be used in State S3.

See Also

CapFanStopDuringRec,GetFanStopDuringRec

4.2.17.192. GetFanStopDuringRec

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Gets the REC MODE SETTING of COOLING FAN SETTING.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetFanStopDuringRec
lAPIParam	(IN)	<model>_API_PARAM_GetFanStopDuringRec
plSetting	(OUT)	See lSetting of “SetFanStopDuringRec”.

Remarks

This function can be used in State S3.

See Also

CapFanStopDuringRec ,SetFanStopDuringRec

4.2.17.193. GetClipDisplay

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA5S
																							✓

Description

Gets the CLIP value.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    LPSTR pClipDisplay
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetClipDisplay
lAPIParam	(IN)	<model>_API_PARAM_GetClipDisplay
pClipSetting	(OUT)	Camera ID: 1 character (A-Z) + String of 4 numbers + NULL

Remarks

This function can be used in State S3.

See Also

None

4.2.17.194. CapMovieNDMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA SS
																							✓

Description

Queries supported ON / CLEAR settings of the ND.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_CapMovieNDMode	
lAPIParam	(IN)	<model>_API_PARAM_CapMovieNDMode	
plNum	(OUT)	Returns the number of “SetMovieNDMode” settings supported	
plSetting	(OUT)		
		<model>_MOVIE_NDMODE_CLEAR	Clear
		<model>_MOVIE_NDMODE_ON_VARIABLE	ND On Variable

Remarks

This function can be used in State S3.

See Also

SetMovieNDMode,GetMovieNDMode

4.2.17.195. SetMovieNDMode

Supported Cameras

MODEL DEPENDENT API

GFX ETHERNA55	✓
GFX100RF	
GFX100S II	
GFX100 II	
GFX50S II	
GFX100S	
GFX100	
GFX 50R	
GFX 50S	
X-M5	
X-S20	
X-H2	
X-H2S	
X-S10	
X-Pro3	
X-T5	
X-T4	
X-T3	

### Description

Sets the ON / CLEAR setting of the ND.

## Syntax

```
APIENTRY XSDK_SetProp (
    XSDK_HANDLE    hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

### Return Value

```
XSDK_COMPLETE      :    SUCCESS
XSDK_ERROR         :    ERROR
```

## Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetMovieNDMode	
lAPIParam	(IN)	<model>_API_PARAM_SetMovieNDMode	
lSetting	(IN)		
		<model>_MOVIE_NDMODE_CLEAR	Clear
		<model>_MOVIE_NDMODE_ON_VARIABLE	ND On Variable

## Remarks

This function can be used in State S3.

## See Also

CapMovieNDMode, GetMovieNDMode

4.2.17.196. GetMovieNDMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Gets the ON / CLEAR setting of the ND.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieNDMode
lAPIParam	(IN)	<model>_API_PARAM_GetMovieNDMode
plSetting	(OUT)	See lSetting of “SetMovieNDMode”.

Remarks

This function can be used in State S3.

See Also

CapMovieNDMode ,SetMovieNDMode

MODEL DEPENDENT API

4.2.17.197. CapMovieNDDisplay

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Queries supported DENSITY / FACTOR settings of ND.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.				
lAPICode	(IN)	<model>_API_CODE_CapMovieNDDisplay				
lAPIParam	(IN)	<model>_API_PARAM_CapMovieNDDisplay				
plNum	(OUT)	Returns the number of “SetMovieNDDisplay” settings supported				
plSetting	(OUT)	<table><tr><td>&lt;model&gt;_SDK_MOVIE_NDDISPLAY_DENSITY</td><td>Density</td></tr><tr><td>&lt;model&gt;_SDK_MOVIE_NDDISPLAY_FACTOR</td><td>Factor</td></tr></table>	<model>_SDK_MOVIE_NDDISPLAY_DENSITY	Density	<model>_SDK_MOVIE_NDDISPLAY_FACTOR	Factor
<model>_SDK_MOVIE_NDDISPLAY_DENSITY	Density					
<model>_SDK_MOVIE_NDDISPLAY_FACTOR	Factor					

Remarks

This function can be used in State S3.

See Also

SetMovieNDDisplay,GetMovieNDDisplay

MODEL DEPENDENT API

4.2.17.198. SetMovieNDDisplay

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Sets the DENSITY / FACTOR setting of ND.

Syntax

```
APIENTRY XSDK_SetProp (  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetMovieNDDisplay	
lAPIParam	(IN)	<model>_API_PARAM_SetMovieNDDisplay	
lSetting	(IN)		
		<model>_SDK_MOVIE_NDDISPLAY_DENSITY	Density
		<model>_SDK_MOVIE_NDDISPLAY_FACTOR	Factor

Remarks

This function can be used in State S3.

See Also

CapMovieNDDisplay,GetMovieNDDisplay

4.2.17.199. GetMovieNDDisplay

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Gets the DENSITY / FACTOR setting of ND.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieNDDisplay
lAPIParam	(IN)	<model>_API_PARAM_GetMovieNDDisplay
plSetting	(OUT)	See lSetting of “SetMovieNDDisplay”.

Remarks

This function can be used in State S3.

See Also

CapMovieNDDisplay ,SetMovieNDDisplay

4.2.17.200. CapMovieNDDensity

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
																							✓

Description

Queries supported DENSITY settings of ND.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_ CapMovieNDDensity
lAPIParam	(IN)	<model>_API_PARAM_ CapMovieNDDensity
plNum	(OUT)	Returns the number of “SetMovieNDDensity” settings supported
plSetting	(OUT)	Returns the of values “SetMovieNDDensity” settings supported.

Remarks

This function can be used in State S3.

See Also

SetMovieNDDensity, GetMovieNDDensity

4.2.17.201. SetMovieNDDensity

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA5S
																							✓

Description

Sets the DENSITY setting of ND.

Syntax

```
APIENTRY XSDK_SetProp (  
    XSDK_HANDLE  hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_SetMovieNDDensity
lAPIParam	(IN)	<model>_API_PARAM_SetMovieNDDensity
lSetting	(IN)	Values from 60 to 210 (60 = ND 0.6).

Remarks

This function can be used in State S3.

See Also

CapMovieNDDensity,GetMovieNDDensity

4.2.17.202. GetMovieNDDensity

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Gets the DENSITY setting of ND.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieNDDensity
lAPIParam	(IN)	<model>_API_PARAM_GetMovieNDDensity
plSetting	(OUT)	See lSetting of “SetMovieNDDensity”.

Remarks

This function can be used in State S3.

See Also

CapMovieNDDensity ,SetMovieNDDensity

4.2.17.203. CapMovieNDFactor

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Queries supported FACTOR settings of ND.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapMovieNDFactor
lAPIParam	(IN)	<model>_API_PARAM_CapMovieNDFactor
plNum	(OUT)	Returns the number of “SetMovieNDFactor” settings supported
plSetting	(OUT)	Returns the of values “SetMovieNDFactor” settings supported.

Remarks

This function can be used in State S3.

See Also

SetMovieNDFactor,GetMovieNDFactor

4.2.17.204. SetMovieNDFactor

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Sets the FACTOR setting of ND.

Syntax

```
APIENTRY XSDK_SetProp (  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_SetMovieNDFactor
lAPIParam	(IN)	<model>_API_PARAM_SetMovieNDFactor
lSetting	(IN)	Values from 400 to 12800 (400 = ND 4).

Remarks

This function can be used in State S3.

See Also

CapMovieNDFactor,GetMovieNDFactor

4.2.17.205. GetMovieNDFactor

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Gets the FACTOR setting of ND.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieNDFactor
lAPIParam	(IN)	<model>_API_PARAM_GetMovieNDFactor
plSetting	(OUT)	See lSetting of “SetMovieNDFactor”.

Remarks

This function can be used in State S3.

See Also

CapMovieNDFactor ,SetMovieNDFactor

4.2.17.206. GetLUTList

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA5S
																							✓

Description

Gets the LOOK list.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    SDK_LUTList* pMedia,
    SDK_LUTList* pVf,
    SDK_LUTList* pOutput
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetLUTList
lAPIParam	(IN)	<model>_API_PARAM_GetLUTList
pMedia	(OUT)	Current setting of MEDIA. Pointer to a structure (SDK_LUTList) table.
<pre>typedef struct {     char strFlogSetting[255];     char strLUTFileName[255]; } SDK_LUTList;</pre>		
strFlogSetting: FS/LOG/HLG contents.		
strLUTFileName: LUT Contents.		
pVf	(OUT)	Current setting of VF. See pMedia.

---

pOutput	(OUT)	Current setting of OUTPUT.
		See pMedia.

---

**Remarks**

This function can be used in State S3.

**See Also**

None

4.2.17.207. GetLUTSettingsUserFileList

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
																							✓

Description

Gets the list of the registered LUT.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lCategory,
    SDK_LUTSettingsUserFileList* pUserFileList
);
```

Return Value

XSDK\_COMPLETE : SUCCESS

XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_GetLUTSettingsUserFileList	
lAPIParam	(IN)	<model>_API_PARAM_GetLUTSettingsUserFileList	
lCategory	(IN)		
		<model>_LUTSETTINGS_CATEGORY_FILMSIMULATION	Filmsimulation
		<model>_LUTSETTINGS_CATEGORY_FLOG	Flog
		<model>LUTSETTINGS_CATEGORY_FLOG2	Flog2
		<model>_LUTSETTINGS_CATEGORY_FLOG2C	Flog2 C
		<model>_LUTSETTINGS_CATEGORY_HLG	HLG

pUserFileList (OUT) Current setting of User file name list of LUT.  
Pointer to a structure (DK\_LUTSettingsUserFileList) table.

```
typedef struct SDK_LUTSettingsUserFileList {
    char strUserLUT1[256];
    char strUserLUT2[256];
    char strUserLUT3[256];
    char strUserLUT4[256];
    char strUserLUT5[256];
    char strUserLUT6[256];
};
```

```
char strUserLUT7[256];
char strUserLUT8[256];
char strUserLUT9[256];
char strUserLUT10[256];
char strUserLUT11[256];
char strUserLUT12[256];
char strUserLUT13[256];
char strUserLUT14[256];
char strUserLUT15[256];
char strUserLUT16[256];
} SDK_LUTSettingsUserFileList;
```

UserLUT1 to UserLUT16  
User LUT file name

Remarks

This function can be used in State S3.

See Also

None

MODEL DEPENDENT API

4.2.17.208. CapSDIOutput

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA 55
																							✓

Description

Queries supported SDI OUTPUT SETTINGS.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICod (IN) <model>\_API\_CODE\_CapSDIOutput  
e

lAPIPara (IN) <model>\_API\_PARAM\_CapSDIOutput  
m

plNum (OUT) Returns the number of “SetSDIOutput” settings supported

plSetting (OUT)

<model>_ON	ON
<model>_OFF	OFF

Remarks

This function can be used in State S3.

See Also

SetSDIOutput,GetSDIOutput

4.2.17.209. SetSDIOOutput

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Sets the SDI OUTPUT SETTING.

Syntax

```
APIENTRY XSDK_SetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetSDIOOutput

lAPIParam (IN) <model>\_API\_PARAM\_SetSDIOOutput

lSetting (IN)

<model>_ON	ON
<model>_OFF	OFF

Remarks

This function can be used in State S3.

See Also

CapSDIOOutput,GetSDIOOutput

4.2.17.210. GetSDIOutput

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Gets the SDI OUTPUT SETTING.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetSDIOutput
lAPIParam	(IN)	<model>_API_PARAM_GetSDIOutput
plSetting	(OUT)	See lSetting of “SetSDIOutput”.

Remarks

This function can be used in State S3.

See Also

CapSDIOutput ,SetSDIOutput

4.2.17.211. CapSDIRecControl

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Queries supported SDI REC CONTROL settings.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICod (IN) <model>\_API\_CODE\_CapSDIRecControl  
e

lAPIPara (IN) <model>\_API\_PARAM\_CapSDIRecControl  
m

plNum (OUT) Returns the number of “SetSDIRecControl” settings supported

plSetting (OUT)

<model>_ON	ON
<model>_OFF	OFF

Remarks

This function can be used in State S3.

See Also

SetSDIRecControl,GetSDIRecControl

4.2.17.212. SetSDIRecControl

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Sets the SDI REC CONTROL setting.

Syntax

```
APIENTRY XSDK_SetProp (  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.					
lAPICode	(IN)	<model>_API_CODE_SetSDIRecControl					
lAPIParam	(IN)	<model>_API_PARAM_SetSDIRecControl					
lSetting	(IN)	<table><tr><td>&lt;model&gt;_ON</td><td>ON</td></tr><tr><td>&lt;model&gt;_OFF</td><td>OFF</td></tr></table>		<model>_ON	ON	<model>_OFF	OFF
<model>_ON	ON						
<model>_OFF	OFF						

Remarks

This function can be used in State S3.

See Also

CapSDIRecControl,GetSDIRecControl

MODEL DEPENDENT API

4.2.17.213. GetSDIRecControl

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Gets the SDI REC CONTROL setting.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetSDIRecControl
lAPIParam	(IN)	<model>_API_PARAM_GetSDIRecControl
plSetting	(OUT)	See lSetting of “SetSDIRecControl”.

Remarks

This function can be used in State S3.

See Also

CapSDIRecControl ,SetSDIRecControl

4.2.17.214. CapMovieTNumber

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Queries supported IRIS DISP settings.

Syntax

```
APIENTRY XSDK_CapProp (  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plNum,  
    long* plSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapMovieTNumber
e		
lAPIParam	(IN)	<model>_API_PARAM_CapMovieTNumber
m		
plNum	(OUT)	Returns the number of “SetMovieTNumber” settings supported
plSetting	(OUT)	Values from 100 to 3200 (100 =T1.0). The value 65535 is AUTO.

Remarks

This function can be used in State S3.

See Also

SetMovieTNumber,GetMovieTNumber

4.2.17.215. SetMovieTNumber

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Sets the IRIS DISP setting.

Syntax

```
APIENTRY XSDK_SetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_SetMovieTNumber
lAPIParam	(IN)	<model>_API_PARAM_SetMovieTNumber
lSetting	(IN)	Values from 100 to 3200 (100 =T1.0). The value 65535 is AUTO.

Remarks

This function can be used in State S3.

See Also

CapMovieTNumber,GetMovieTNumber

4.2.17.216. GetMovieTNumber

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Gets the IRIS DISP setting.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieTNumber
lAPIParam	(IN)	<model>_API_PARAM_GetMovieTNumber
plSetting	(OUT)	See lSetting of “SetMovieTNumber”.

Remarks

This function can be used in State S3.

See Also

CapMovieTNumber ,SetMovieTNumber

4.2.17.217. CapRGBHistogramDisplay

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Queries supported RGB HISTOGRAM settings.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapRGBHistogramDisplay
lAPIParam	(IN)	<model>_API_PARAM_CapRGBHistogramDisplay
plNum	(OUT)	Returns the number of “SetRGBHistogramDisplay” settings supported
plSetting	(OUT)	

<model>_HISTOGRAM_DISPLAY_PATTERN1	Pattern1
<model>_HISTOGRAM_DISPLAY_PATTERN2	Pattern2
<model>_HISTOGRAM_DISPLAY_PATTERN3	Pattern3
<model>_HISTOGRAM_DISPLAY_PATTERN4	Pattern4

Remarks

This function can be used in State S3.

See Also

SetRGBHistogramDisplay, GetRGBHistogramDisplay

MODEL DEPENDENT API

4.2.17.218. SetRGBHistogramDisplay

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Sets the RGB HISTOGRAM setting.

Syntax

```
APIENTRY XSDK_SetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetRGBHistogramDisplay

lAPIParam (IN) <model>\_API\_PARAM\_SetRGBHistogramDisplay

lSetting (IN)

<model>_HISTOGRAM_DISPLAY_PATTERN1	Pattern1
<model>_HISTOGRAM_DISPLAY_PATTERN2	Pattern2
<model>_HISTOGRAM_DISPLAY_PATTERN3	Pattern3
<model>_HISTOGRAM_DISPLAY_PATTERN4	Pattern4

Remarks

This function can be used in State S3.

See Also

CapRGBHistogramDisplay,GetRGBHistogramDisplay

4.2.17.219. GetRGBHistogramDisplay

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Gets the RGB HISTOGRAM setting.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetRGBHistogramDisplay
lAPIParam	(IN)	<model>_API_PARAM_GetRGBHistogramDisplay
plSetting	(OUT)	See lSetting of “SetRGBHistogramDisplay”.

Remarks

This function can be used in State S3.

See Also

CapRGBHistogramDisplay ,SetRGBHistogramDisplay

4.2.17.220. CapHistogramDisplay

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Queries supported HISTOGRAM settings.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICod (IN) <model>\_API\_CODE\_CapHistogramDisplay  
e

lAPIPara (IN) <model>\_API\_PARAM\_CapHistogramDisplay  
m

plNum (OUT) Returns the number of “SetHistogramDisplay” settings supported

plSetting (OUT)

<model>_HISTOGRAM_DISPLAY_PATTERN1	Pattern1
<model>_HISTOGRAM_DISPLAY_PATTERN2	Pattern2
<model>_HISTOGRAM_DISPLAY_PATTERN3	Pattern3
<model>_HISTOGRAM_DISPLAY_PATTERN4	Pattern4

Remarks

This function can be used in State S3.

See Also

SetHistogramDisplay,GetHistogramDisplay

4.2.17.221. SetHistogramDisplay

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Sets the HISTOGRAM setting.

Syntax

```
APIENTRY XSDK_SetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetHistogramDisplay

lAPIParam (IN) <model>\_API\_PARAM\_SetHistogramDisplay

lSetting (IN)

<model>_HISTOGRAM_DISPLAY_PATTERN1	Pattern1
<model>_HISTOGRAM_DISPLAY_PATTERN2	Pattern2
<model>_HISTOGRAM_DISPLAY_PATTERN3	Pattern3
<model>_HISTOGRAM_DISPLAY_PATTERN4	Pattern4

Remarks

This function can be used in State S3.

See Also

CapHistogramDisplay,GetHistogramDisplay

4.2.17.222. GetHistogramDisplay

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Gets the HISTOGRAM setting.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetHistogramDisplay
lAPIParam	(IN)	<model>_API_PARAM_GetHistogramDisplay
plSetting	(OUT)	See lSetting of “SetHistogramDisplay”.

Remarks

This function can be used in State S3.

See Also

CapHistogramDisplay ,SetHistogramDisplay

4.2.17.223. CapSDIHDMIOutputFps

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Queries supported SDI/HDMI OUTPUT FPS settings.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.				
lAPICode	(IN)	<model>_API_CODE_CapSDIHDMIOutputFps				
lAPIParam	(IN)	<model>_API_PARAM_CapSDIHDMIOutputFps				
plNum	(OUT)	Returns the number of “SetSDIHDMIOutputFps” settings supported				
plSetting	(OUT)	<table><tr><td>&lt;model&gt;_SDIHDMI_OUTPUT_FPS_PROJECT</td><td>Project FPS</td></tr><tr><td>&lt;model&gt;_SDIHDMI_OUTPUT_FPS_RECORDING</td><td>Recording FPS</td></tr></table>	<model>_SDIHDMI_OUTPUT_FPS_PROJECT	Project FPS	<model>_SDIHDMI_OUTPUT_FPS_RECORDING	Recording FPS
<model>_SDIHDMI_OUTPUT_FPS_PROJECT	Project FPS					
<model>_SDIHDMI_OUTPUT_FPS_RECORDING	Recording FPS					

Remarks

This function can be used in State S3.

See Also

SetSDIHDMIOutputFps,GetSDIHDMIOutputFps

4.2.17.224. SetSDIHDMIOutputFps

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Sets the SDI/HDMI OUTPUT FPS setting.

Syntax

```
APIENTRY XSDK_SetProp (  
    XSDK_HANDLE  hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetSDIHDMIOutputFps

lAPIParam (IN) <model>\_API\_PARAM\_SetSDIHDMIOutputFps

lSetting (IN)

<model>_SDIHDMI_OUTPUT_FPS_PROJECT	Project FPS
<model>_SDIHDMI_OUTPUT_FPS_RECORDING	Recording FPS

Remarks

This function can be used in State S3.

See Also

CapSDIHDMIOutputFps,GetSDIHDMIOutputFps

4.2.17.225. GetSDIHDMIOutputFps

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Gets the SDI/HDMI OUTPUT FPS setting.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetSDIHDMIOutputFps
lAPIParam	(IN)	<model>_API_PARAM_GetSDIHDMIOutputFps
plSetting	(OUT)	See lSetting of “SetSDIHDMIOutputFps”.

Remarks

This function can be used in State S3.

See Also

CapSDIHDMIOutputFps ,SetSDIHDMIOutputFps

4.2.17.226. CapFanHighSpeedOutput

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																						✓

Description

Queries supported HIGH MODE SETTINGS of COOLING FAN SETTING.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting_Min,
    long* plSetting_Max
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapFanHighSpeedOutput
lAPIParam	(IN)	<model>_API_PARAM_CapFanHighSpeedOutput
plSetting_Min	(OUT)	Returns the minimum supported Cooling fan setting Output at high speed.
plSetting_Max	(OUT)	Returns the maximum supported Cooling fan setting Output at high speed.

Remarks

This function can be used in State S3.

See Also

SetFanHighSpeedOutput,GetFanHighSpeedOutput

4.2.17.227. SetFanHighSpeedOutput

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Sets the HIGH MODE SETTING of COOLING FAN SETTING.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_SetFanHighSpeedOutput
lAPIParam	(IN)	<model>_API_PARAM_SetFanHighSpeedOutput
lSetting	(IN)	Values from 51 to 100, separated by 1 (100 = 100%).

Remarks

This function can be used in State S3.

See Also

CapFanHighSpeedOutput,GetFanHighSpeedOutput

MODEL DEPENDENT API

4.2.17.228. GetFanHighSpeedOutput

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
																						✓

Description

Gets the HIGH MODE SETTING of COOLING FAN SETTING.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetFanHighSpeedOutput
lAPIParam	(IN)	<model>_API_PARAM_GetFanHighSpeedOutput
plSetting	(OUT)	See lSetting of “SetFanHighSpeedOutput”.

Remarks

This function can be used in State S3.

See Also

SetFanHighSpeedOutput,GetFanHighSpeedOutput

4.2.17.229. CapFanLowSpeedOutput

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Queries supported LOW MODE SETTINGS of COOLING FAN SETTING.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting_Min,
    long* plSetting_Max
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapFanLowSpeedOutput
lAPIParam	(IN)	<model>_API_PARAM_CapFanLowSpeedOutput
plSetting_Min	(OUT)	Returns the minimum supported Cooling fan setting Output at Low speed.
plSetting_Max	(OUT)	Returns the maximum supported Cooling fan setting Output at Low speed.

Remarks

This function can be used in State S3.

See Also

SetFanLowSpeedOutput,GetFanLowSpeedOutput

4.2.17.230. SetFanLowSpeedOutput

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																						✓

Description

Sets the LOW MODE SETTING of COOLING FAN SETTING.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_SetFanLowSpeedOutput
lAPIParam	(IN)	<model>_API_PARAM_SetFanLowSpeedOutput
lSetting	(IN)	Values from 5 to 50, separated by 1 (50 = 50%).

Remarks

This function can be used in State S3.

See Also

CapFanLowSpeedOutput,GetFanLowSpeedOutput

4.2.17.231. GetFanLowSpeedOutput

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
																						✓

Description

Gets the LOW MODE SETTING of COOLING FAN SETTING.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetFanLowSpeedOutput
lAPIParam	(IN)	<model>_API_PARAM_GetFanLowSpeedOutput
plSetting	(OUT)	See lSetting of “SetFanLowSpeedOutput”.

Remarks

This function can be used in State S3.

See Also

SetFanLowSpeedOutput,GetFanLowSpeedOutput

4.2.17.232. CapLookMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Queries supported LOOK selections.

Syntax

```
APIENTRY XSDK_CapProp (  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plNum,  
    long* plSetting  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapLookMode
lAPIParam	(IN)	<model>_API_PARAM_CapLookMode
plNum	(OUT)	Returns the number of “SetLookMode” settings supported
plSetting	(OUT)	

<model>_LOOKMODE_A	Pattern A
<model>_LOOKMODE_B	Pattern B
<model>_LOOKMODE_C	Pattern C

Remarks

This function can be used in State S3.

See Also

SetLookMode,GetLookMode

4.2.17.233. SetLookMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Sets the LOOK selection.

Syntax

```
APIENTRY XSDK_SetProp (  
    XSDK_HANDLE  hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetLookMode

lAPIParam (IN) <model>\_API\_PARAM\_SetLookMode

lSetting (IN)

<model>_LOOKMODE_ A	Pattern A
<model>_LOOKMODE_ B	Pattern B
<model>_LOOKMODE_ C	Pattern C

Remarks

This function can be used in State S3.

See Also

CapLookMode,GetLookMode

4.2.17.234. GetLookMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Gets the LOOK selection.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetLookMode
lAPIParam	(IN)	<model>_API_PARAM_GetLookMode
plSetting	(OUT)	See lSetting of “SetLookMode”.

Remarks

This function can be used in State S3.

See Also

CapLookMode ,SetLookMode

4.2.17.235. GetGenlockStatus

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Gets the GENLOCK status.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_GetGenlockStatus

lAPIParam (IN) <model>\_API\_PARAM\_GetGenlockStatus

plSetting (OUT)

<model>_GENLOCK_STATUS_NOT_CONNECTED	Not Connected
<model>_GENLOCK_STATUS_UNLOCK	Unlock
<model>_GENLOCK_STATUS_LOCKED	Locked

Remarks

This function can be used in State S3.

See Also

None

4.2.17.236. GetMovieFNumberCurrentValue

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA5S
																							✓

Description

Gets the F number value.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieFNumberCurrentValue
lAPIParam	(IN)	<model>_API_PARAM_GetMovieFNumberCurrentValue
plSetting	(OUT)	Values from 100 to 3200 (100 = F1.0).

Remarks

This function can be used in State S3.

See Also

None

4.2.17.237. GetMovieTNumberCurrentValue

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA5S
																							✓

Description

Gets the T number value.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieTNumberCurrentValue
lAPIParam	(IN)	<model>_API_PARAM_GetMovieTNumberCurrentValue
plSetting	(OUT)	Values from 100 to 3200 (100 = T1.0).

Remarks

This function can be used in State S3.

See Also

None

4.2.17.238. GetMovieSensitivityFDGain

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Gets the Hi/Lo/AUTO condition of ISO.

Syntax

```
APIENTRY XSDK_GetProp (  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_GetMovieSensitivityFDGain

lAPIParam (IN) <model>\_API\_PARAM\_GetMovieSensitivityFDGain

plSetting (OUT)

<model>_MOVIE_SENSITIVITY_FDGAIN_AUTO	Sensitivity Auto
<model>_MOVIE_SENSITIVITY_FDGAIN_HIGH	FD gain high
<model>_MOVIE_SENSITIVITY_FDGAIN_LOW	FD gain low

Remarks

This function can be used in State S3.

See Also

None

4.2.17.239. CapMovieFrameGuideMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Queries supported FRAME1/FRAME2/FRAME3 selections of FRAMING GUIDELINE.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICod (IN) <model>\_API\_CODE\_CapMovieFrameGuideMode  
e

lAPIPara (IN) <model>\_API\_PARAM\_CapMovieFrameGuideMode  
m

plNum (OUT) Returns the number of “SetMovieFrameGuideMode” settings supported

plSetting (OUT)

<model>_MOVIE_FRAMEGUIDE_FRAME1	Frame1
<model>_MOVIE_FRAMEGUIDE_FRAME2	Frame2
<model>_MOVIE_FRAMEGUIDE_FRAME3	Frame3

Remarks

This function can be used in State S3.

See Also

SetMovieFrameGuideMode,GetMovieFrameGuideMode

4.2.17.240. SetMovieFrameGuideMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA
																							✓

Description

Sets the FRAME1/FRAME2/FRAME3 selection of FRAMING GUIDELINE.

Syntax

```
APIENTRY XSDK_SetProp (  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetMovieFrameGuideMode

lAPIParam (IN) <model>\_API\_PARAM\_SetMovieFrameGuideMode

lSetting (IN)

<model>_MOVIE_FRAMEGUIDE_FRAME1	Frame1
<model>_MOVIE_FRAMEGUIDE_FRAME2	Frame2
<model>_MOVIE_FRAMEGUIDE_FRAME3	Frame3

Remarks

This function can be used in State S3.

See Also

CapMovieFrameGuideMode,GetMovieFrameGuideMode

4.2.17.241. GetMovieFrameGuideMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Gets the FRAME1/FRAME2/FRAME3 selection of FRAMING GUIDELINE.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieFrameGuideMode
lAPIParam	(IN)	<model>_API_PARAM_GetMovieFrameGuideMode
plSetting	(OUT)	See lSetting of “SetMovieFrameGuideMode”.

Remarks

This function can be used in State S3.

See Also

CapMovieFrameGuideMode ,SetMovieFrameGuideMode

4.2.17.242. CapMovieFrameGuideScale

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Queries supported SCALE settings of FRAMING GUIDELINE.

The FRAME number should be specified prior to calling this API via SetMovieFrameGuideMode.

Syntax

```
APIENTRY XSDK_CapProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plSetting_Min,  
    long* plSetting_Max  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapMovieFrameGuideScale
lAPIParam	(IN)	<model>_API_PARAM_CapMovieFrameGuideScale
plSetting_Min	(OUT)	Returns the minimum supported Framing guide scaling.
plSetting_Max	(OUT)	Returns the maximum supported Framing guide scaling.

Remarks

This function can be used in State S3.

See Also

SetMovieFrameGuideScale,GetMovieFrameGuideScale

4.2.17.243. SetMovieFrameGuideScale

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																						✓

Description

Sets the SCALE setting of FRAMING GUIDELINE.

The FRAME number should be specified prior to calling this API via SetMovieFrameGuideMode.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE  hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_SetMovieFrameGuideScale
lAPIParam	(IN)	<model>_API_PARAM_SetMovieFrameGuideScale
lSetting	(IN)	Values from 1 to 100, separated by 1 (100 = 100%).

Remarks

This function can be used in State S3.

See Also

CapMovieFrameGuideScale,GetMovieFrameGuideScale

4.2.17.244. GetMovieFrameGuideScale

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
																							✓

Description

Gets the SCALE setting of FRAMING GUIDELINE.

The FRAME number should be specified prior to calling this API via SetMovieFrameGuideMode.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE  hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieFrameGuideScale
lAPIParam	(IN)	<model>_API_PARAM_GetMovieFrameGuideScale
plSetting	(OUT)	See lSetting of “SetMovieFrameGuideScale”.

Remarks

This function can be used in State S3.

See Also

SetMovieFrameGuideScale,GetMovieFrameGuideScale

4.2.17.245. CapFrameGuideDisplayAll

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Queries supported FRAMING GUIDELINE DISP settings.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapFrameGuideDisplayAll
lAPIParam	(IN)	<model>_API_PARAM_CapFrameGuideDisplayAll
plNum	(OUT)	Returns the number of “SetFrameGuideDisplayAll” settings supported
plSetting	(OUT)	

<model>_ON	ON
<model>_OFF	OFF

Remarks

This function can be used in State S3.

See Also

SetFrameGuideDisplayAll,GetFrameGuideDisplayAll

MODEL DEPENDENT API

4.2.17.246. SetFrameGuideDisplayAll

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
																							✓

Description

Sets the FRAMING GUIDELINE DISP setting.

Syntax

```
APIENTRY XSDK_SetProp (  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.					
lAPICode	(IN)	<model>_API_CODE_SetFrameGuideDisplayAll					
lAPIParam	(IN)	<model>_API_PARAM_SetFrameGuideDisplayAll					
lSetting	(IN)	<table><tr><td>&lt;model&gt;_ON</td><td>ON</td></tr><tr><td>&lt;model&gt;_OFF</td><td>OFF</td></tr></table>		<model>_ON	ON	<model>_OFF	OFF
<model>_ON	ON						
<model>_OFF	OFF						

Remarks

This function can be used in State S3.

See Also

CapFrameGuideDisplayAll,GetFrameGuideDisplayAll

4.2.17.247. GetFrameGuideDisplayAll

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
																							✓

Description

Gets the FRAMING GUIDELINE DISP setting.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE  hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetFrameGuideDisplayAll
lAPIParam	(IN)	<model>_API_PARAM_GetFrameGuideDisplayAll
plSetting	(OUT)	See lSetting of “SetFrameGuideDisplayAll”.

Remarks

This function can be used in State S3.

See Also

CapFrameGuideDisplayAll,SetFrameGuideDisplayAll

4.2.17.248. CapFrameGuideMaskFrame

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNAS S
																							✓

Description

Queries supported MASK FRAME SELECT settings of MASK SETTING in the FRAMING GUIDELINE.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICod (IN) <model>\_API\_CODE\_CapFrameGuideMaskFrame  
e

lAPIPara (IN) <model>\_API\_PARAM\_CapFrameGuideMaskFrame  
m

plNum (OUT) Returns the number of “SetFrameGuideMaskFrame” settings supported

plSetting (OUT)

<model>_MOVIE_FRAMEGUIDE_MASKFRAME1	FRAME1
<model>_MOVIE_FRAMEGUIDE_MASKFRAME2	FRAME2
<model>_MOVIE_FRAMEGUIDE_MASKFRAME3	FRAME3

Remarks

This function can be used in State S3.

See Also

SetFrameGuideMaskFrame,GetFrameGuideMaskFrame

4.2.17.249. SetFrameGuideMaskFrame

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
																							✓

Description

Sets the MASK FRAME SELECT setting of MASK SETTING in the FRAMING GUIDELINE.

Syntax

```
APIENTRY XSDK_SetProp (  
    XSDK_HANDLE  hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetFrameGuideMaskFrame

lAPIParam (IN) <model>\_API\_PARAM\_SetFrameGuideMaskFrame

lSetting (IN)

<model>_MOVIE_FRAMEGUIDE_MASKFRAME1	FRAME1
<model>_MOVIE_FRAMEGUIDE_MASKFRAME2	FRAME2
<model>_MOVIE_FRAMEGUIDE_MASKFRAME3	FRAME3

Remarks

This function can be used in State S3.

See Also

CapFrameGuideMaskFrame,GetFrameGuideMaskFrame

4.2.17.250. GetFrameGuideMaskFrame

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
																							✓

Description

Gets the MASK FRAME SELECT setting of MASK SETTING in the FRAMING GUIDELINE.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetFrameGuideMaskFrame
lAPIParam	(IN)	<model>_API_PARAM_GetFrameGuideMaskFrame
plSetting	(OUT)	See lSetting of “SetFrameGuideMaskFrame”.

Remarks

This function can be used in State S3.

See Also

CapFrameGuideMaskFrame,SetFrameGuideMaskFrame

**4.2.17.251. CapFrameGuideCenterMarkerPattern****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
																							✓

**Description**

Queries supported CENTERMASK PATTERN settings of CENTERMASK SETTING in the FRAMING GUIDELINE.

**Syntax**

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Parameters**

hCamera (IN) The camera handle.

---

lAPICod (IN) <model>\_API\_CODE\_CapFrameGuideCenterMarkerPattern  
e

---

lAPIPara (IN) <model>\_API\_PARAM\_CapFrameGuideCenterMarkerPattern  
m

---

plNum (OUT) Returns the number of “SetFrameGuideCenterMarkerPattern” settings supported

---

plSetting (OUT)

<model>_MOVIE_FRAMEGUIDE_CENTERMARKER_PATTERN1	PATTERN1
<model>_MOVIE_FRAMEGUIDE_CENTERMARKER_PATTERN2	PATTERN2
<model>_MOVIE_FRAMEGUIDE_CENTERMARKER_PATTERN3	PATTERN3
<model>_MOVIE_FRAMEGUIDE_CENTERMARKER_PATTERN4	PATTERN4

**Remarks**

This function can be used in State S3.

**See Also**

SetFrameGuideCenterMarkerPattern, GetFrameGuideCenterMarkerPattern

4.2.17.252. SetFrameGuideCenterMarkerPattern

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
																							✓

Description

Sets the CENTERMASK PATTERN setting of CENTERMASK SETTING in the FRAMING GUIDELINE.

Syntax

```
APIENTRY XSDK_SetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetFrameGuideCenterMarkerPattern

lAPIParam (IN) <model>\_API\_PARAM\_SetFrameGuideCenterMarkerPattern

lSetting (IN)

<model>_MOVIE_FRAMEGUIDE_CENTERMARKER_PATTERN1	PATTERN1
<model>_MOVIE_FRAMEGUIDE_CENTERMARKER_PATTERN2	PATTERN2
<model>_MOVIE_FRAMEGUIDE_CENTERMARKER_PATTERN3	PATTERN3
<model>_MOVIE_FRAMEGUIDE_CENTERMARKER_PATTERN4	PATTERN4

Remarks

This function can be used in State S3.

See Also

CapFrameGuideCenterMarkerPattern,GetFrameGuideCenterMarkerPattern

4.2.17.253. GetFrameGuideCenterMarkerPattern

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
																							✓

Description

Gets the CENTERMASK PATTERN setting of CENTERMASK SETTING in the FRAMING GUIDELINE.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetFrameGuideCenterMarkerPattern
lAPIParam	(IN)	<model>_API_PARAM_GetFrameGuideCenterMarkerPattern
plSetting	(OUT)	See lSetting of “SetFrameGuideCenterMarkerPattern”.

Remarks

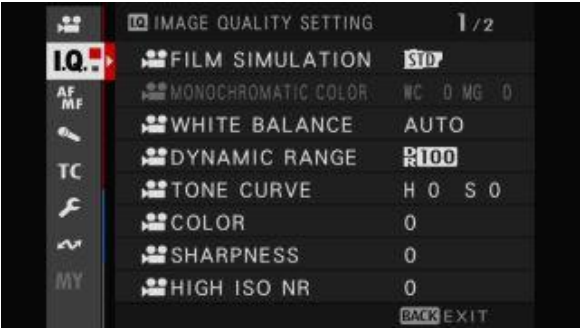
This function can be used in State S3.

See Also

CapFrameGuideCenterMarkerPattern,SetFrameGuideCenterMarkerPattern

4.2.18. Movie Control – IMAGE QUALITY SETTING

Control the settings that correspond to the following IMAGE QUALITY SETTING menu.



APIs are available only when the STILL/MOVIE mode is in MOVIE mode.

MODEL DEPENDENT API

4.2.18.1. CapMovieFilmSimulationMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported FILM SIMUATION settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapMovieFilmSimulationMode
lAPIParam	(IN)	<model>_API_PARAM_CapMovieFilmSimulationMode
plNum	(OUT)	Returns the number of “SetMovieFilmSimulationMode” settings supported.
plSetting	(OUT)	See lSetting of “SetMovieFilmSimulationMode”.

Remarks

This function can be used in State S3.

See Also

SetMovieFilmSimulationMode、GetMovieFilmSimulationMode

MODEL DEPENDENT API

4.2.18.2. SetMovieFilmSimulationMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the FILM SIMULATION setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetMovieFilmSimulationMode	
lAPIParam	(IN)	<model>_API_PARAM_SetMovieFilmSimulationMode	
lSetting	(IN)		
		<model>_FILMSIMULATION_PROVIA	FileSimulation PROVIA
		<model>_FILMSIMULATION_STD	FilmSimulation Standard
		<model>_FILMSIMULATION_VELVIA	FilmSimulation VELVIA
		<model>_FILMSIMULATION_ASTIA	FilmSimulation ASTIA
		<model>_FILMSIMULATION_NEGHI	FilmSimulation Neg.Hi
		<model>_FILMSIMULATION_NEGSTD	FilmSimulation Neg.STD
		<model>_FILMSIMULATION_MONOCHRO	FilmSimulation Monochrome
		<model>_FILMSIMULATION_MONOCHRO_Y	FilmSimulation

	Monochrome Y
<model>_FILMSIMULATION_MONOCHRO_R	FilmSimulation Monochrome R
<model>_FILMSIMULATION_MONOCHRO_G	FilmSimulation Monochrome G
<model>_FILMSIMULATION_SEPIA	FilmSimulation Sepia
<model>_FILMSIMULATION_CLASSIC_CHROME	FilmSimulation Classic Chrome
<model>_FILMSIMULATION_ACROS	FilmSimulation ACROS
<model>_FILMSIMULATION_ACROS_Y	FilmSimulation ACROS Y
<model>_FILMSIMULATION_ACROS_R	FilmSimulation ACROS R
<model>_FILMSIMULATION_ACROS_G	FilmSimulation ACROS G
<model>_FILMSIMULATION_ETERNA	FilmSimulation ETERNA
<model>_FILMSIMULATION_CLASSICNEG	FilmSimulation ClassicNeg.
<model>_FILMSIMULATION_BLEACH_BYPASS	FilmSimulation Bleach Bypass
<model>_FILMSIMULATION_NOSTALGICNEG	FilmSimulation Nostalgic Neg.
<model>_FILMSIMULATION_REALA	FilmSimulation REALA
<model>_FILMSIMULATION_AUTO	FilmSimulation Auto

**Remarks**

This function can be used in State S3.

**See Also**

CapMovieFilmSimulationMode、GetMovieFilmSimulationMode

4.2.18.3. GetMovieFilmSimulationMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the FILM SIMULATION setting.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieFilmSimulationMode
lAPIParam	(IN)	<model>_API_PARAM_GetMovieFilmSimulationMode
plSetting	(OUT)	See "SetMovieFilmSimulationMode" for supported values.

Remarks

This function can be used in State S3.

See Also

CapMovieFilmSimulationMode、SetMovieFilmSimulationMode

MODEL DEPENDENT API

4.2.18.4. CapMovieMonochromaticColor

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported MONOCHROMATIC COLOR settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plWarmCoolNum,
    long* plRedGreenNum,
    long* lWarmCool,
    long* lRedGreen
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapMovieMonochromaticColor
lAPIParam	(IN)	<model>_API_PARAM_CapMovieMonochromaticColor
plWarmCoolNum	(OUT)	Returns the number of “lWarmCool” settings supported.
plRedGreenNum	(OUT)	Returns the number of “lRedGreen” settings supported.
lWarmCool	(OUT)	See lWarmCool of “SetMovieMonochromaticColor”.
lRedGreen	(OUT)	See lRedGreen of “SetMovieMonochromaticColor”.

Remarks

This function can be used in State S3.

See Also

SetMovieMonochromaticColor、GetMovieMonochromaticColor

4.2.18.5. SetMovieMonochromaticColor

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the MONOCHROMATIC COLOR setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lWarmCool,  
    long lRedGreen  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_SetMovieMonochromaticColor
lAPIParam	(IN)	<model>_API_PARAM_SetMovieMonochromaticColor
lWarmCool	(IN)	

<model>_MONOCHROMATICCOLOR_WC_P180	180
<model>_MONOCHROMATICCOLOR_WC_P170	170
<model>_MONOCHROMATICCOLOR_WC_P160	160
<model>_MONOCHROMATICCOLOR_WC_P150	150
<model>_MONOCHROMATICCOLOR_WC_P140	140
<model>_MONOCHROMATICCOLOR_WC_P130	130
<model>_MONOCHROMATICCOLOR_WC_P120	120
<model>_MONOCHROMATICCOLOR_WC_P110	110
<model>_MONOCHROMATICCOLOR_WC_P100	100
<model>_MONOCHROMATICCOLOR_WC_P90	90
<model>_MONOCHROMATICCOLOR_WC_P80	80
<model>_MONOCHROMATICCOLOR_WC_P70	70
<model>_MONOCHROMATICCOLOR_WC_P60	60

IRedGreen (IN)

<model> _MONOCHROMATICCOLOR_WC_P50	50
<model> _MONOCHROMATICCOLOR_WC_P40	40
<model> _MONOCHROMATICCOLOR_WC_P30	30
<model> _MONOCHROMATICCOLOR_WC_P20	20
<model> _MONOCHROMATICCOLOR_WC_P10	10
<model> _MONOCHROMATICCOLOR_WC_0	0
<model> _MONOCHROMATICCOLOR_WC_M10	-10
<model> _MONOCHROMATICCOLOR_WC_M20	-20
<model> _MONOCHROMATICCOLOR_WC_M30	-30
<model> _MONOCHROMATICCOLOR_WC_M40	-40
<model> _MONOCHROMATICCOLOR_WC_M50	-50
<model> _MONOCHROMATICCOLOR_WC_M60	-60
<model> _MONOCHROMATICCOLOR_WC_M70	-70
<model> _MONOCHROMATICCOLOR_WC_M80	-80
<model> _MONOCHROMATICCOLOR_WC_M90	-90
<model> _MONOCHROMATICCOLOR_WC_M100	-100
<model> _MONOCHROMATICCOLOR_WC_M110	-110
<model> _MONOCHROMATICCOLOR_WC_M120	-120
<model> _MONOCHROMATICCOLOR_WC_M130	-130
<model> _MONOCHROMATICCOLOR_WC_M140	-140
<model> _MONOCHROMATICCOLOR_WC_M150	-150
<model> _MONOCHROMATICCOLOR_WC_M160	-160
<model> _MONOCHROMATICCOLOR_WC_M170	-170
<model> _MONOCHROMATICCOLOR_WC_M180	-180

<model> _MONOCHROMATICCOLOR_RG_P180	180
<model> _MONOCHROMATICCOLOR_RG_P170	170
<model> _MONOCHROMATICCOLOR_RG_P160	160
<model> _MONOCHROMATICCOLOR_RG_P150	150
<model> _MONOCHROMATICCOLOR_RG_P140	140
<model> _MONOCHROMATICCOLOR_RG_P130	130
<model> _MONOCHROMATICCOLOR_RG_P120	120
<model> _MONOCHROMATICCOLOR_RG_P110	110
<model> _MONOCHROMATICCOLOR_RG_P100	100
<model> _MONOCHROMATICCOLOR_RG_P90	90
<model> _MONOCHROMATICCOLOR_RG_P80	80
<model> _MONOCHROMATICCOLOR_RG_P70	70
<model> _MONOCHROMATICCOLOR_RG_P60	60
<model> _MONOCHROMATICCOLOR_RG_P50	50

<model>_MONOCHROMATICCOLOR_RG_P40	40
<model>_MONOCHROMATICCOLOR_RG_P30	30
<model>_MONOCHROMATICCOLOR_RG_P20	20
<model>_MONOCHROMATICCOLOR_RG_P10	10
<model>_MONOCHROMATICCOLOR_RG_0	0
<model>_MONOCHROMATICCOLOR_RG_M10	-10
<model>_MONOCHROMATICCOLOR_RG_M20	-20
<model>_MONOCHROMATICCOLOR_RG_M30	-30
<model>_MONOCHROMATICCOLOR_RG_M40	-40
<model>_MONOCHROMATICCOLOR_RG_M50	-50
<model>_MONOCHROMATICCOLOR_RG_M60	-60
<model>_MONOCHROMATICCOLOR_RG_M70	-70
<model>_MONOCHROMATICCOLOR_RG_M80	-80
<model>_MONOCHROMATICCOLOR_RG_M90	-90
<model>_MONOCHROMATICCOLOR_RG_M100	-100
<model>_MONOCHROMATICCOLOR_RG_M110	-110
<model>_MONOCHROMATICCOLOR_RG_M120	-120
<model>_MONOCHROMATICCOLOR_RG_M130	-130
<model>_MONOCHROMATICCOLOR_RG_M140	-140
<model>_MONOCHROMATICCOLOR_RG_M150	-150
<model>_MONOCHROMATICCOLOR_RG_M160	-160
<model>_MONOCHROMATICCOLOR_RG_M170	-170
<model>_MONOCHROMATICCOLOR_RG_M180	-180

**Remarks**

This function can be used in State S3.

**See Also**

CapMovieMonochromaticColor、GetMovieMonochromaticColor

4.2.18.6. GetMovieMonochromaticColor

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the MONOCHROMATIC COLOR setting.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plWarnCool,
    long* plRedGreen
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieMonochromaticColor
lAPIParam	(IN)	<model>_API_PARAM_GetMovieMonochromaticColor
plWarnCool	(OUT)	See lWarnCool of “SetMovieMonochromaticColor”.
plRedGreen	(OUT)	See lRedGreen of “SetMovieMonochromaticColor”.

Remarks

This function can be used in State S3.

See Also

CapMovieMonochromaticColor、SetMovieMonochromaticColor

MODEL DEPENDENT API

4.2.18.7. CapMovieWhiteBalanceTune

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	

Description

Queries supported WHITE BALANCE settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lWBMode,
    long* plTuneR_Min,
    long* plTuneB_Min,
    long* plTuneR_Max,
    long* plTuneB_Max
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapMovieWhiteBalanceTune
lAPIParam	(IN)	<model>_API_PARAM_CapMovieWhiteBalanceTune
lWBMode	(IN)	See "SetMovieWhiteBalanceTune" for supported values.
plTuneR_Min	(OUT)	Minimum configurable red value.
plTuneB_Min	(OUT)	Minimum configurable blue value.
plTuneR_Max	(OUT)	Maximum configurable red value.
plTuneB_Max	(OUT)	Maximum configurable blue value.

Remarks

This function can be used in State S3.

See Also

SetMovieWhiteBalanceTune, GetMovieWhiteBalanceTune

MODEL DEPENDENT API

4.2.18.8. SetMovieWhiteBalanceTune

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	

Description

Sets the WHITE BALANCE setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lWBMode,  
    long lTuneR,  
    long lTuneB  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_SetMovieWhiteBalanceTune
lAPIParam	(IN)	<model>_API_PARAM_SetMovieWhiteBalanceTune
lWBMode	(IN)	

<model>_WB_AUTO	Auto
<model>_WB_AUTO_WHITE_PRIORITY	Auto(White Priority)
<model>_WB_AUTO_AMBIENCE_PRIORITY	Auto(Ambience Priority)
<model>_WB_DAYLIGHT	Daylight
<model>_WB_INCANDESCENT	Incandescent
<model>_WB_UNDER_WATER	Underwater
<model>_WB_FLUORESCENT1	Fluorescent light1
<model>_WB_FLUORESCENT2	Fluorescent light2
<model>_WB_FLUORESCENT3	Fluorescent light3
<model>_WB_SHADE	Shade
<model>_WB_COLORTEMP	Color Temperature

	<model>_WB_CUSTOM1		Custom1
	<model>_WB_CUSTOM2		Custom2
	<model>_WB_CUSTOM3		Custom3
	<model>_WB_CUSTOM4		Custom4
	<model>_WB_CUSTOM5		Custom5
ITuneR	(IN)	Setting value(Red).	
ITuneB	(IN)	Setting value(Blue).	

Remarks

This function can be used in State S3.

See Also

CapMovieWhiteBalanceTune、GetMovieWhiteBalanceTune

4.2.18.9. GetMovieWhiteBalanceTune

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	

Description

Gets the WHITE BALANCE setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lWBMode,  
    long* plTuneR,  
    long* plTuneB  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieWhiteBalanceTune
lAPIParam	(IN)	<model>_API_PARAM_GetMovieWhiteBalanceTune
lWBMode	(IN)	See "SetMovieWhiteBalanceTune" for supported values.
plTuneR	(OUT)	Getting value(Red).
plTuneB	(OUT)	Getting value(Blue).

Remarks

This function can be used in State S3.

See Also

CapMovieWhiteBalanceTune、SetMovieWhiteBalanceTune

4.2.18.10. CapMovieHighLightTone

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported TONE CURVE(HIGHLIGHTS) settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapMovieHighLightTone
lAPIParam	(IN)	<model>_API_PARAM_CapMovieHighLightTone
plNum	(OUT)	Returns the number of “SetMovieHighLightTone” settings supported.
plSetting	(OUT)	See lSetting of “SetMovieHighLightTone”.

Remarks

This function can be used in State S3.

See Also

SetMovieHighLightTone、GetMovieHighLightTone

4.2.18.11. SetMovieHighLightTone

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the TONE CURVE(HIGHLIGHTS) setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetMovieHighLightTone	
lAPIParam	(IN)	<model>_API_PARAM_SetMovieHighLightTone	
lSetting	(IN)	<model>_HIGHLIGHT_TONE_P4	40
		<model>_HIGHLIGHT_TONE_P3_5	35
		<model>_HIGHLIGHT_TONE_P3	30
		<model>_HIGHLIGHT_TONE_P2_5	25
		<model>_HIGHLIGHT_TONE_P2	20
		<model>_HIGHLIGHT_TONE_P1_5	15
		<model>_HIGHLIGHT_TONE_P1	10
		<model>_HIGHLIGHT_TONE_P0_5	5
		<model>_HIGHLIGHT_TONE_0	0
		<model>_HIGHLIGHT_TONE_M0_5	-5
		<model>_HIGHLIGHT_TONE_M1	-10
		<model>_HIGHLIGHT_TONE_M1_5	-15
		<model>_HIGHLIGHT_TONE_M2	-20

Remarks

This function can be used in State S3.

**See Also**

CapMovieHighLightTone, GetMovieHighLightTone

4.2.18.12. GetMovieHighLightTone

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the TONE CURVE(HIGHLIGHTS) setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieShadowTone
lAPIParam	(IN)	<model>_API_PARAM_GetMovieHighLightTone
plSetting	(OUT)	See "SetMovieHighLightTone" for supported values.

Remarks

This function can be used in State S3.

See Also

CapMovieHighLightTone、SetMovieHighLightTone

4.2.18.13. CapMovieShadowTone

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported TONE CURVE(SHADOWS) settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapMovieShadowTone
lAPIParam	(IN)	<model>_API_PARAM_CapMovieShadowTone
plNum	(OUT)	Returns the number of “SetMovieShadowTone” settings supported.
plSetting	(OUT)	See lSetting of “SetMovieShadowTone”.

Remarks

This function can be used in State S3.

See Also

SetMovieShadowTone、GetMovieShadowTone

MODEL DEPENDENT API

4.2.18.14. SetMovieShadowTone

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the TONE CURVE(SHADOWS) setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetMovieShadowTone	
lAPIParam	(IN)	<model>_API_PARAM_SetMovieShadowTone	
lSetting	(IN)	<model>_SHADOW_TONE_P4	40
		<model>_SHADOW_TONE_P3_5	35
		<model>_SHADOW_TONE_P3	30
		<model>_SHADOW_TONE_P2_5	25
		<model>_SHADOW_TONE_P2	20
		<model>_SHADOW_TONE_P1_5	15
		<model>_SHADOW_TONE_P1	10
		<model>_SHADOW_TONE_P0_5	5
		<model>_SHADOW_TONE_0	0
		<model>_SHADOW_TONE_M0_5	-5
		<model>_SHADOW_TONE_M1	-10
		<model>_SHADOW_TONE_M1_5	-15
		<model>_SHADOW_TONE_M2	-20

Remarks

This function can be used in State S3.

**See Also**

CapMovieShadowTone, GetMovieShadowTone

4.2.18.15. GetMovieShadowTone

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the TONE CURVE(SHADOWS) setting.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieShadowTone
lAPIParam	(IN)	<model>_API_PARAM_GetMovieShadowTone
plSetting	(OUT)	See "SetMovieShadowTone" for supported values.

Remarks

This function can be used in State S3.

See Also

CapMovieShadowTone, SetMovieShadowTone

MODEL DEPENDENT API

4.2.18.16. CapMovieColorMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported COLOR settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapMovieColorMode
lAPIParam	(IN)	<model>_API_PARAM_CapMovieColorMode
plNum	(OUT)	Returns the number of “SetMovieColorMode” settings supported.
plSetting	(OUT)	See lSetting of “SetMovieColorMode”.

Remarks

This function can be used in State S3.

See Also

SetMovieColorMode、GetMovieColorMode

MODEL DEPENDENT API

4.2.18.17. SetMovieColorMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the COLOR setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetMovieColorMode	
lAPIParam	(IN)	<model>_API_PARAM_SetMovieColorMode	
lSetting	(IN)	<model>_COLOR_P4	40
		<model>_COLOR_P3	30
		<model>_COLOR_P2	20
		<model>_COLOR_P1	10
		<model>_COLOR_0	0
		<model>_COLOR_M1	10
		<model>_COLOR_M2	20
		<model>_COLOR_M3	30
		<model>_COLOR_M4	40

Remarks

This function can be used in State S3.

See Also

CapMovieColorMode, GetMovieColorMode

MODEL DEPENDENT API

4.2.18.18. GetMovieColorMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the COLOR setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plSetting  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieColorMode
lAPIParam	(IN)	<model>_API_PARAM_GetMovieColorMode
plSetting	(OUT)	See "SetMovieColorMode" for supported values.

Remarks

This function can be used in State S3.

See Also

CapMovieColorMode, SetMovieColorMode

MODEL DEPENDENT API

4.2.18.19. CapMovieSharpness

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported SHARPNESS settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapMovieSharpness
lAPIParam	(IN)	<model>_API_PARAM_CapMovieSharpness
plNum	(OUT)	Returns the number of “SetMovieSharpness” settings supported.
plSetting	(OUT)	See lSetting of “SetMovieSharpness”.

Remarks

This function can be used in State S3.

See Also

SetMovieSharpness、GetMovieSharpness

MODEL DEPENDENT API

4.2.18.20. SetMovieSharpness

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the SHARPNESS setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetMovieSharpness	
lAPIParam	(IN)	<model>_API_PARAM_SetMovieSharpness	
lSetting	(IN)	[GFX ETERNA 55]	
		<model>_SHARPNESS_P8	80
		<model>_SHARPNESS_P7	70
		<model>_SHARPNESS_P6	60
		<model>_SHARPNESS_P5	50
		<model>_SHARPNESS_P4	40
		<model>_SHARPNESS_P3	30
		<model>_SHARPNESS_P2	20
		<model>_SHARPNESS_P1	10
		<model>_SHARPNESS_0	0
		[Other models]	
		<model>_SHARPNESS_P4	40
		<model>_SHARPNESS_P3	30
		<model>_SHARPNESS_P2	20

MODEL DEPENDENT API

<model>_SHARPNESS_P1	10
<model>_SHARPNESS_0	0
<model>_SHARPNESS_M1	10
<model>_SHARPNESS_M2	20
<model>_SHARPNESS_M3	30
<model>_SHARPNESS_M4	40

**Remarks**

This function can be used in State S3.

**See Also**

CapMovieSharpness, GetMovieSharpness

4.2.18.21. GetMovieSharpness

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the SHARPNESS setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plSetting  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieSharpness
lAPIParam	(IN)	<model>_API_PARAM_GetMovieSharpness
plSetting	(OUT)	See "SetMovieSharpness" for supported values.

Remarks

This function can be used in State S3.

See Also

CapMovieSharpness, SetMovieSharpness

MODEL DEPENDENT API

4.2.18.22. CapMovieNoiseReduction

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported HIGH ISO NR settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapMovieNoiseReduction
lAPIParam	(IN)	<model>_API_PARAM_CapMovieNoiseReduction
plNum	(OUT)	Returns the number of “SetMovieNoiseReduction” settings supported.
plSetting	(OUT)	See lSetting of “Set eReduction”.

Remarks

This function can be used in State S3.

See Also

SetMovieNoiseReduction、GetMovieNoiseReduction

MODEL DEPENDENT API

4.2.18.23. SetMovieNoiseReduction

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the HIGH ISO NR setting.

Syntax

```
APIENTRY XSDK_SetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetMovieNoiseReduction	
lAPIParam	(IN)	<model>_API_PARAM_SetMovieNoiseReduction	
lSetting	(IN)	<model>_NOISEREDUCTION_P4	0x5000
		<model>_NOISEREDUCTION_P3	0x6000
		<model>_NOISEREDUCTION_P2	0x0000
		<model>_NOISEREDUCTION_P1	0x1000
		<model>_NOISEREDUCTION_0	0x2000
		<model>_NOISEREDUCTION_M1	0x3000
		<model>_NOISEREDUCTION_M2	0x4000
		<model>_NOISEREDUCTION_M3	0x7000
		<model>_NOISEREDUCTION_M4	0x8000

Remarks

This function can be used in State S3.

See Also

CapMovieNoiseReduction, GetMovieNoiseReduction

MODEL DEPENDENT API

4.2.18.24. GetMovieNoiseReduction

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the HIGH ISO NR setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieNoiseReduction
lAPIParam	(IN)	<model>_API_PARAM_GetMovieNoiseReduction
plSetting	(OUT)	See "SetMovieNoiseReduction" for supported values.

Remarks

This function can be used in State S3.

See Also

CapMovieNoiseReduction, SetMovieNoiseReduction

4.2.18.25. CapInterFrameNR

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported INTERFRAME NR settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapInterFrameNR
lAPIParam	(IN)	<model>_API_PARAM_CapInterFrameNR
plNum	(OUT)	Returns the number of “SetInterFrameNR” settings supported.
plSetting	(OUT)	See lSetting of “SetInterFrameNR”.

Remarks

This function can be used in State S3.

See Also

SetInterFrameNR, GetInterFrameNR

4.2.18.26. SetInterFrameNR

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the INTERFRAME NR setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetInterFrameNR	
lAPIParam	(IN)	<model>_API_PARAM_SetInterFrameNR	
lSetting	(IN)		
		<model>_ON	0x0001
		<model>_OFF	0x0002

Remarks

This function can be used in State S3.

See Also

CapInterFrameNR、GetInterFrameNR

4.2.18.27. GetInterFrameNR

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the INTERFRAME NR setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetInterFrameNR
lAPIParam	(IN)	<model>_API_PARAM_GetInterFrameNR
plSetting	(OUT)	See "SetInterFrameNR" for supported values.

Remarks

This function can be used in State S3.

See Also

CapInterFrameNR、SetInterFrameNR

4.2.18.28. CapFlogDRangePriority

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																			✓	✓	✓	✓

Description

Queries supported F-LOG2 D RANGE PRIORITY settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* pNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.					
lAPICode	(IN)	<model>_API_CODE_CapFlogDRangePriority					
lAPIParam	(IN)	<model>_API_PARAM_CapFlogDRangePriority					
plNum	(OUT)	Returns the number of “SetFlogDRangePriority” settings supported.					
plSetting	(OUT)	<table><tr><td>&lt;model&gt;_ON</td><td>ON</td></tr><tr><td>&lt;model&gt;_OFF</td><td>OFF</td></tr></table>		<model>_ON	ON	<model>_OFF	OFF
<model>_ON	ON						
<model>_OFF	OFF						

Remarks

This function can be used in State S3.

See Also

SetFlogDRangePriority, GetFlogDRangePriority

4.2.18.29. SetFlogDRangePriority

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
																			✓	✓	✓	✓

Description

Sets the F-LOG2 D RANGE PRIORITY setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetFlogDRangePriority	
lAPIParam	(IN)	<model>_API_PARAM_SetFlogDRangePriority	
lSetting	(IN)		
		<model>_ON	ON
		<model>_OFF	OFF

Remarks

This function can be used in State S3.

See Also

CapFlogDRangePriority, GetFlogDRangePriority

4.2.18.30. GetFlogDRangePriority

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
																				✓	✓	✓	✓

Description

Gets the F-LOG2 D RANGE PRIORITY setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_GetFlogDRangePriority

lAPIParam (IN) <model>\_API\_PARAM\_GetFlogDRangePriority

plSetting (OUT)

<model>_ON	ON
<model>_OFF	OFF

Remarks

This function can be used in State S3.

See Also

CapFlogDRangePriority, SetFlogDRangePriority

4.2.18.31. CapMoviePeripheralLightCorrection

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported PERIPHERAL LIGHT CORRECTION settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapMoviePeripheralLightCorrection
lAPIParam	(IN)	<model>_API_PARAM_CapMoviePeripheralLightCorrection
plNum	(OUT)	Returns the number of “SetMoviePeripheralLightCorrection” settings supported.
plSetting	(OUT)	See lSetting of “SetMoviePeripheralLightCorrection”.

Remarks

This function can be used in State S3.

See Also

SetMoviePeripheralLightCorrection, GetMoviePeripheralLightCorrection

MODEL DEPENDENT API

4.2.18.32. SetMoviePeripheralLightCorrection

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the PERIPHERAL LIGHT CORRECTION setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetMoviePeripheralLightCorrection	
lAPIParam	(IN)	<model>_API_PARAM_SetMoviePeripheralLightCorrection	
lSetting	(IN)		
		<model>_ON	0x0001
		<model>_OFF	0x0002

Remarks

This function can be used in State S3.

See Also

CapMoviePeripheralLightCorrection、GetMoviePeripheralLightCorrection

4.2.18.33. GetMoviePeripheralLightCorrection

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the PERIPHERAL LIGHT CORRECTION setting.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMoviePeripheralLightCorrection
lAPIParam	(IN)	<model>_API_PARAM_GetMoviePeripheralLightCorrection
plSetting	(OUT)	See "SetMoviePeripheralLightCorrection" for supported values.

Remarks

This function can be used in State S3.

See Also

CapMoviePeripheralLightCorrection, SetMoviePeripheralLightCorrection

**4.2.18.34. CapMoviePortraitEnhancer****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
											✓												

**Description**

Queries supported MOVIE BEAUTIFUL SKIN PROCESSING settings.

**Syntax**

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plMode
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Parameters**

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_CapMoviePortraitEnhancer

lAPIParam (IN) <model>\_API\_PARAM\_CapMoviePortraitEnhancer

plNum (OUT) Returns the number of “SetMoviePortraitEnhancer” settings supported

plMode (OUT)

<model>_PORTRAIT_ENHANCER_OFF	OFF
<model>_PORTRAIT_ENHANCER_SOFT	Weak
<model>_PORTRAIT_ENHANCER_MEDIUM	Medium
<model>_PORTRAIT_ENHANCER_HARD	Strong

**Remarks**

This function can be used in State S3.

**See Also**

SetMoviePortraitEnhancer, GetShortMovieSecond

4.2.18.35. SetMoviePortraitEnhancer

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
											✓												

Description

Sets the MOVIE BEAUTIFUL SKIN PROCESSING setting.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lMode
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetMoviePortraitEnhancer

lAPIParam (IN) <model>\_API\_PARAM\_SetMoviePortraitEnhancer

lMode (IN)

<model>_PORTRAIT_ENHANCER_OFF	OFF
<model>_PORTRAIT_ENHANCER_SOFT	Weak
<model>_PORTRAIT_ENHANCER_MEDIUM	Medium
<model>_PORTRAIT_ENHANCER_HARD	Strong

Remarks

This function can be used in State S3.

See Also

CapMoviePortraitEnhancer, GetMoviePortraitEnhancer

4.2.18.36. GetMoviePortraitEnhancer

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
											✓												

Description

Gets the MOVIE BEAUTIFUL SKIN PROCESSING setting.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plMode
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMoviePortraitEnhancer
lAPIParam	(IN)	<model>_API_PARAM_GetMoviePortraitEnhancer
plMode	(OUT)	See lSetting of “SetMoviePortraitEnhancer”.

Remarks

This function can be used in State S3.

See Also

CapMoviePortraitEnhancer, SetMoviePortraitEnhancer

4.2.18.37. SetMovieWhiteBalancePreset

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
																						✓

Description

Adds/edits/deletes the WB PRESET.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lCommand,  
    long lPresetNum,  
    long lCC,  
    long lColorTuning  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetMovieWhiteBalancePreset	
lAPIParam	(IN)	<model>_API_PARAM_SetMovieWhiteBalancePreset	
lCommand	(IN)	<model>_WB_PRESET_COMMAND_ADD	Add
		<model>_WB_PRESET_COMMAND_DELETE	Delete
		<model>_WB_PRESET_COMMAND_EDIT	Edit
lPresetNum	(IN)	<model>_WB_PRESET1	Preset1
		<model>_WB_PRESET2	Preset2
		<model>_WB_PRESET3	Preset3
		<model>_WB_PRESET4	Preset4
		<model>_WB_PRESET5	Preset5
		<model>_WB_PRESET6	Preset6
		<model>_WB_PRESET7	Preset7

<model>_WB_PRESET8	Preset8
<model>_WB_PRESET9	Preset9
<model>_WB_PRESET10	Preset10
<model>_WB_PRESET11	Preset11
<model>_WB_PRESET12	Preset12
<model>_WB_PRESET13	Preset13
<model>_WB_PRESET14	Preset14
<model>_WB_PRESET15	Preset15
<model>_WB_PRESET16	Preset16
<model>_WB_PRESET17	Preset17
<model>_WB_PRESET18	Preset18
<model>_WB_PRESET19	Preset19
<model>_WB_PRESET20	Preset20
<model>_WB_PRESET21	Preset21
<model>_WB_PRESET22	Preset22
<model>_WB_PRESET23	Preset23
<model>_WB_PRESET24	Preset24
<model>_WB_PRESET25	Preset25
<model>_WB_PRESET26	Preset26
<model>_WB_PRESET27	Preset27
<model>_WB_PRESET28	Preset28
<model>_WB_PRESET29	Preset29
<model>_WB_PRESET30	Preset30
<model>_WB_PRESET31	Preset31
<model>_WB_PRESET32	Preset32

ICC (IN) WB Cinema\_CC. Values from -1600 to 1600, separated by 1 (1600 = 16.00).

IColorTuning (IN) WB Cinema\_Color Temperature. Values from 2000 to 11000, separated by 1

**Remarks**

This function can be used in State S3.

**See Also**

None

4.2.18.38. GetMovieWhiteBalancePresetList

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA5S
																							✓

Description

Gets the WB PRESET list.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    SDK_MovieWhiteBalancePresetList* pCwb,
    long* plPresetNum,
    SDK_MovieWhiteBalancePresetList* pPreset
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieWhiteBalancePresetList
lAPIParam	(IN)	<model>_API_PARAM_GetMovieWhiteBalancePresetList
pCwb	(OUT)	Current setting of CWB. Pointer to a structure (SDK_MovieWhiteBalancePresetList) table.
<pre>typedef struct {     long lColorTuning;     long lCCValue; } SDK_MovieWhiteBalancePresetList;</pre>		
lColorTuning: Color temperature.		
lCCValue: CC		
plPresetNum	(OUT)	Returns the number of “pPreset” settings supported.
pPreset	(OUT)	Current setting of Preset 1-32.

Pointer to a structure (SDK\_MovieWhiteBalancePresetList) table.  
See pCwb.

**Remarks**

This function can be used in State S3.

**See Also**

None

4.2.19. Movie Control - AF/MF SETTING

Control the settings that correspond to the following AF/MF SETTING menu.



APIs are available only when the STILL/MOVIE mode is in MOVIE mode.

4.2.19.1. CapMovieFocusArea

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
			✓	✓			✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓	✓

Description

Queries supported FOCUS AREA settings.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lAngle,
    SDK_FocusArea* pFocusArea_Min,
    SDK_FocusArea* pFocusArea_Max
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_CapMovieFocusArea	
lAPIParam	(IN)	<model>_API_PARAM_CapMovieFocusArea	
lAngle	(IN)		
		<model>_ITEM_DIRECTION_CURRENT	in camera's current orientation
		<model>_ITEM_DIRECTION_0	when camera is rotated 0°
		<model>_ITEM_DIRECTION_90	when camera is rotated 90°
		<model>_ITEM_DIRECTION_180	when camera is rotated 180°
		<model>_ITEM_DIRECTION_270	when camera is rotated 270°

pFocusArea\_Min (OUT) Pointer to a structure (SDK\_FocusArea) table.

```
typedef struct {
    long h;
    long v;
    long size;
} SDK_FocusArea;
```

h:  
Horizontal display coordinate (absolute)  
v:  
Vertical display coordinate (absolute)  
size:  
Area size

pFocusArea\_Max (OUT) Pointer to a structure (SDK\_FocusArea) table.

```
typedef struct {  
    long    h;  
    long    v;  
    long    size;  
} SDK_FocusArea;
```

h:  
Horizontal display coordinate (absolute)  
v:  
Vertical display coordinate (absolute)  
size:  
Area size

**Remarks**

This function can be used in State S3.

**See Also**

SetMovieFocusArea, GetMovieFocusArea

MODEL DEPENDENT API

4.2.19.2. SetMovieFocusArea

Description

Sets the FOCUS AREA setting.

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA 55
			✓	✓			✓	✓	✓	✓	✓						✓	✓	✓	✓	✓	✓	✓

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lAngle,  
    SDK_FocusArea* pFocusArea  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetMovieFocusArea

lAPIParam (IN) <model>\_API\_PARAM\_SetMovieFocusArea

lAngle (IN)

<model>_ITEM_DIRECTION_CURRENT	in camera's current orientation
<model>_ITEM_DIRECTION_0	when camera is rotated 0°
<model>_ITEM_DIRECTION_90	when camera is rotated 90°
<model>_ITEM_DIRECTION_180	when camera is rotated 180°
<model>_ITEM_DIRECTION_270	when camera is rotated 270°

pFocusArea (IN) Pointer to a structure (SDK\_FocusArea) table.

```
typedef struct {  
    long h;  
    long v;  
    long size;  
} SDK_FocusArea;
```

---

h:

Horizontal display coordinate (absolute)

v:

Vertical display coordinate (absolute)

size:

Area size

**Remarks**

This function can be used in State S3.

**See Also**

CapMovieFocusArea, GetMovieFocusArea

4.2.19.3. GetMovieFocusArea

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
			✓	✓			✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓	✓

Description

Gets the FOCUS AREA setting.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lAngle,
    SDK_FocusArea* pFocusArea
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_GetMovieFocusArea	
lAPIParam	(IN)	<model>_API_PARAM_GetMovieFocusArea	
lAngle	(IN)	<model>_ITEM_DIRECTION_CURRENT	in camera's current orientation
		<model>_ITEM_DIRECTION_0	when camera is rotated 0°
		<model>_ITEM_DIRECTION_90	when camera is rotated 90°
		<model>_ITEM_DIRECTION_180	when camera is rotated 180°
		<model>_ITEM_DIRECTION_270	when camera is rotated 270°
pFocusArea	(OUT)	Pointer to a structure (SDK_FocusArea) table.	

```
typedef struct {
    long h;
    long v;
    long size;
} SDK_FocusArea;
```

---

h:  
Horizontal display coordinate (absolute)

v:  
Vertical display coordinate (absolute)

size:  
Area size

**Remarks**

This function can be used in State S3.

**See Also**

CapMovieFocusArea, SetMovieFocusArea

4.2.19.4. CapMovieAFMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
			✓	✓			✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓	✓

Description

Queries supported AF MODE settings.

Syntax

```
APIENTRY XSDK_CapProp (  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plNum,  
    long* plAFMode  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_CapMovieAFMode	
lAPIParam	(IN)	<model>_API_PARAM_CapMovieAFMode	
plNum	(OUT)	Returns the number of “SetMovieAFMode” settings supported.	
plAFMode	(OUT)		
		<model>_MOVIE_AF_MULTI	Auto area
		<model>_MOVIE_AF_AREA	Select area
		<model>_MOVIE_AF_WIDETRACKING	Wide tracking

Remarks

This function can be used in State S3.

See Also

SetMovieAFMode, GetMovieAFMode

4.2.19.5. SetMovieAFMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
			✓	✓			✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓	✓

Description

Sets theAF MODE setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE  hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lAFMode  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetMovieAFMode

lAPIParam (IN) <model>\_API\_PARAM\_SetMovieAFMode

lAFMode (IN)

<model>_MOVIE_AF_MULTI	Auto area
<model>_MOVIE_AF_AREA	Select area
<model>_MOVIE_AF_WIDETRACKING	Wide tracking

Remarks

This function can be used in State S3.

See Also

CapMovieAFMode, GetMovieAFMode

4.2.19.6. GetMovieAFMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
			✓	✓			✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓	✓

Description

Gets the AF MODE setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plAFMode  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_GetMovieAFMode

lAPIParam (IN) <model>\_API\_PARAM\_GetMovieAFMode

plAFMode (OUT)

<model>_MOVIE_AF_MULTI	Auto area
<model>_MOVIE_AF_AREA	Select area
<model>_MOVIE_AF_WIDETRACKING	Wide tracking

Remarks

This function can be used in State S3.

See Also

CapMovieAFMode, SetMovieAFMode

4.2.19.7. CapMovieAFCCustom

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported AF-C CUSTOM SETTINGS settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    SDK_MOVIE_AFC_CUSTOM* pParam_Min,
    SDK_MOVIE_AFC_CUSTOM* pParam_Max
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapMovieAFCCustom
lAPIParam	(IN)	<model>_API_PARAM_CapMovieAFCCustom
pParam_Min	(OUT)	A minimum value is set. See “SetMovieAFCCustom” for supported value.
pParam_Max	(OUT)	A maximum value is set. See “SetMovieAFCCustom” for supported value.

Remarks

This function can be used in State S3.

See Also

SetMovieAFCCustom, GetMovieAFCCustom

4.2.19.8. SetMovieAFCCustom

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the AF-C CUSTOM SETTINGS setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    SDK_MOVIE_AFC_CUSTOM* pParam  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_SetMovieAFCCustom
lAPIParam	(IN)	<model>_API_PARAM_SetMovieAFCCustom
pParam	(IN)	Structure that stores setting values.

```
Typedef struct {  
    long lTracking;  
    long lSpeed;  
} SDK_MOVIE_AFC_CUSTOM;
```

lTracking:  
Subject retention characteristics.  
lSpeed:  
AF Speed.

Remarks

This function can be used in State S3.

See Also

CapMovieAFCCustom、GetMovieAFCCustom

4.2.19.9. GetMovieAFCCustom

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
				✓				✓	✓	✓	✓									✓	✓	✓	✓

Description

Gets the AF-C CUSTOM SETTINGS setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    SDK_MOVIE_AFC_CUSTOM* pParam  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieAFCCustom
lAPIParam	(IN)	<model>_API_PARAM_GetMovieAFCCustom
pParam	(OUT)	See “SetMovieAFCCustom” for supported value.

Remarks

This function can be used in State S3.

See Also

CapMovieAFCCustom、SetMovieAFCCustom

MODEL DEPENDENT API

4.2.19.10. CapMovieEyeAFMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported FACE/EYE DETECTION SETTING settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapMovieEyeAFMode
lAPIParam	(IN)	<model>_API_PARAM_CapMovieEyeAFMode
plNum	(OUT)	Returns the number of “SetMovieEyeAFMode” settings supported.
plSetting	(OUT)	See lSetting of “SetMovieEyeAFMode”.

Remarks

This function can be used in State S3.

See Also

SetMovieEyeAFMode、GetMovieEyeAFMode

MODEL DEPENDENT API

4.2.19.11. SetMovieEyeAFMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the FACE/EYE DETECTION SETTING setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetMovieEyeAFMode	
lAPIParam	(IN)	<model>_API_PARAM_SetMovieEyeAFMode	
lSetting	(IN)		
		<model>_EYE_AF_OFF	Eye AF OFF.
		<model>_EYE_AF_AUTO	Eye AF Auto.
		<model>_EYE_AF_RIGHT_PRIORITY	Eye AF Right eye priority.
		<model>_EYE_AF_LEFT_PRIORITY	Eye AF Left eye priority.

Remarks

This function can be used in State S3.

See Also

CapMovieEyeAFMode、GetMovieEyeAFMode

4.2.19.12. GetMovieEyeAFMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the FACE/EYE DETECTION SETTING setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieEyeAFMode
lAPIParam	(IN)	<model>_API_PARAM_GetMovieEyeAFMode
plSetting	(OUT)	See "SetMovieEyeAFMode" for supported values.

Remarks

This function can be used in State S3.

See Also

CapMovieEyeAFMode、SetMovieEyeAFMode

4.2.19.13. CapMovieFaceDetectionMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported FACE DETECTION SETTING settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapMovieFaceDetectMode
lAPIParam	(IN)	<model>_API_PARAM_CapMovieFaceDetectMode
plNum	(OUT)	Returns the number of “SetMovieFaceDetectMode” settings supported.
plSetting	(OUT)	See lSetting of “SetMovieFaceDetectMode”.

Remarks

This function can be used in State S3.

See Also

SetMovieFaceDetectMode, GetMovieFaceDetectMode

MODEL DEPENDENT API

4.2.19.14. SetMovieFaceDetectionMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the FACE DETECTION SETTING setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetMovieFaceDetectMode	
lAPIParam	(IN)	<model>_API_PARAM_SetMovieFaceDetectMode	
lSetting	(IN)		
		<model>_FACE_DETECTION_ON	0x0001
		<model>_FACE_DETECTION_OFF	0x0002

Remarks

This function can be used in State S3.

See Also

CapMovieFaceDetectMode、GetMovieFaceDetectMode

4.2.19.15. GetMovieFaceDetectionMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the FACE DETECTION SETTING setting.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieFaceDetectMode
lAPIParam	(IN)	<model>_API_PARAM_GetMovieFaceDetectMode
plSetting	(OUT)	See "SetMovieFaceDetectMode" for supported values.

Remarks

This function can be used in State S3.

See Also

CapMovieFaceDetectMode, SetMovieFaceDetectMode

MODEL DEPENDENT API

4.2.19.16. CapMovieSubjectDetectionMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported SUBJECT DETECTION SETTING settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapMovieSubjectDetectionMode
lAPIParam	(IN)	<model>_API_PARAM_CapMovieSubjectDetectionMode
plNum	(OUT)	Returns the number of “SetMovieSubjectDetectionMode” settings supported.
plSetting	(OUT)	See lSetting of “SetMovieSubjectDetectionMode”.

Remarks

This function can be used in State S3.

See Also

SetMovieSubjectDetectionMode、GetMovieSubjectDetectionMode

4.2.19.17. SetMovieSubjectDetectionMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the SUBJECT DETECTION SETTING setting.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetMovieSubjectDetectionMode	
lAPIParam	(IN)	<model>_API_PARAM_SetMovieSubjectDetectionMode	
lSetting	(IN)	<model>_SUBJECT_DETECTION_OFF	Subject detection OFF.
		<model>_SUBJECT_DETECTION_ANIMAL	Subject detection Animal.
		<model>_SUBJECT_DETECTION_BIRD	Subject detection Bird.
		<model>_SUBJECT_DETECTION_CAR	Subject detection Car.
		<model>_SUBJECT_DETECTION_BIKE	Subject detection Bike.
		<model>_SUBJECT_DETECTION_AIRPLANE	Subject detection Airplane.
		<model>_SUBJECT_DETECTION_TRAIN	Subject detection Train.
		<model>_SUBJECT_DETECTION_FACE	Subject detection Face.

Remarks

This function can be used in State S3.

See Also

CapMovieSubjectDetectionMode、GetMovieSubjectDetectionMode

4.2.19.18. GetMovieSubjectDetectionMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the SUBJECT DETECTION SETTING setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieSubjectDetectionMode
lAPIParam	(IN)	<model>_API_PARAM_GetMovieSubjectDetectionMode
plSetting	(OUT)	See "SetMovieSubjectDetectionMode" for supported values.

Remarks

This function can be used in State S3.

See Also

CapMovieSubjectDetectionMode, SetMovieSubjectDetectionMode

4.2.19.19. GetTrackingAfFrameInfo

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
											✓								✓	✓	✓	✓

Description

Gets the subject detection tracking AF framing outline information.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    SDK_TrackingAfFrameInfo* pFrameInfo
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetTrackingAfFrameInfo
lAPIParam	(IN)	<model>_API_PARAM_GetTrackingAfFrameInfo
pFrameInfo	(OUT)	Pointer to a structure (SDK_TrackingAfFrameInfo) table.

```
typedef struct {
    long IX;
    long IY;
    long lLength_H;
    long lLength_V;
    long lColorR;
    long lColorG;
    long lColorB;
    long lAlpha;
} SDK_TrackingAfFrameInfo;
```

IX:

Frame origin position in percent (100%=1024)

IY:

---

Frame origin position in percent (100%=1024)

lLength\_H:  
Horizontal line length in percent (100%=1024)

lLength\_V:  
Vertical line length in percent (100%=1024)

lColorR:  
Line Color R Component

lColorG:  
Line Color G Component

lColorB:  
Line Color B Component

lAlpha:  
Transparency, 0~100(%)

**Remarks**

This function can be used in State S3.

**See Also**

None

4.2.19.20. CapMovieFullTimeManual

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported AF+MF settings.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapMovieFullTimeManual
lAPIParam	(IN)	<model>_API_PARAM_CapMovieFullTimeManual
plNum	(OUT)	Returns the number of “SetMovieFullTimeManual” settings supported.
plSetting	(OUT)	"SetMovieFullTimeManual" List of possible values.

Remarks

This function can be used in State S3.

See Also

SetMovieFullTimeManual、GetMovieFullTimeManual

4.2.19.21. SetMovieFullTimeManual

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the M AF+MF setting.

Syntax

```
APIENTRY XSDK_SetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_SetMovieDataLevelSetting
lAPIParam	(IN)	<model>_API_PARAM_SetMovieDataLevelSetting
lSetting	(IN)	Setting value (must be a configurable value obtained with CapMovieFullTimeManual).

Remarks

This function can be used in State S3.

See Also

CapMovieFullTimeManual、GetMovieFullTimeManual

MODEL DEPENDENT API

4.2.19.22. GetMovieFullTimeManual

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the AF+MF setting.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieDataLevelSetting
lAPIParam	(IN)	<model>_API_PARAM_GetMovieDataLevelSetting
plSetting	(OUT)	The current setting value obtained.

Remarks

This function can be used in State S3.

See Also

SetMovieFullTimeManual, GetMovieFullTimeManual

4.2.19.23. CapMovieMFAssistMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported MF ASSIST settings.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_CapMovieMFAssistMode

lAPIParam (IN) <model>\_API\_PARAM\_CapMovieMFAssistMode

plNum (OUT) Returns the number of “SetMovieMFAssistMode” settings supported.

plSetting (OUT)

<model>_MF_ASSIST_STANDARD	Standard
<model>_MF_ASSIST_SPLIT_BW	Split image in black and white
<model>_MF_ASSIST_SPLIT_COLOR	Split image in color
<model>_MF_ASSIST_PEAK_WHITE_L	Focus peak highlight in low white
<model>_MF_ASSIST_PEAK_WHITE_H	Focus peak highlight in high white
<model>_MF_ASSIST_PEAK_RED_L	Focus peak highlight in low red
<model>_MF_ASSIST_PEAK_RED_H	Focus peak highlight in high red

<model>_MF_ASSIST_PEAK_BLUE_L	Focus peak highlight in low blue
<model>_MF_ASSIST_PEAK_BLUE_H	Focus peak highlight in high blue
<model>_MF_ASSIST_PEAK_YELLOW_L	Focus peak highlight in low yellow
<model>_MF_ASSIST_PEAK_YELLOW_H	Focus peak highlight in high yellow
<model>_MF_ASSIST_MICROPRISM	Micro-prism
<model>_MF_ASSIST_FOCUSMETER	Focus meter
<model>_MF_ASSIST_FOCUSMETER_PEAK_WHITE_L	Focus meter + peak highlight in low white
<model>_MF_ASSIST_FOCUSMETER_PEAK_WHITE_H	Focus meter + peak highlight in high white
<model>_MF_ASSIST_FOCUSMETER_PEAK_RED_L	Focus meter + peak highlight in low red
<model>_MF_ASSIST_FOCUSMETER_PEAK_RED_H	Focus meter + peak highlight in high red
<model>_MF_ASSIST_FOCUSMETER_PEAK_BLUE_L	Focus meter + peak highlight in low blue
<model>_MF_ASSIST_FOCUSMETER_PEAK_BLUE_H	Focus meter + peak highlight in high blue
<model>_MF_ASSIST_FOCUSMETER_PEAK_YELLOW_L	Focus meter + peak highlight in low yellow
<model>_MF_ASSIST_FOCUSMETER_PEAK_YELLOW_H	Focus meter + peak highlight in high yellow
<model>_MF_ASSIST_FOCUSMAP_BW	Focus map in black and white
<model>_MF_ASSIST_FOCUSMAP_COLOR	Focus map in color

MODEL DEPENDENT API

**Remarks**

This function can be used in State S3.

**See Also**

SetMovieMFAssistMode, GetMovieMFAssistMode

**4.2.19.24. SetMovieMFAssistMode****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA 5S
				✓				✓	✓	✓	✓								✓	✓	✓	✓

**Description**

Sets the MF ASSIST setting.

**Syntax**

```
APIENTRY XSDK_SetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS

XSDK\_ERROR : ERROR

**Parameters**

hCamera (IN) The camera handle.

lAPICode (IN) &lt;model&gt;\_API\_CODE\_SetMovieMFAssistMode

lAPIParam (IN) &lt;model&gt;\_API\_PARAM\_SetMovieMFAssistMode

lSetting (IN)

<model>_MF_ASSIST_STANDARD	Standard
<model>_MF_ASSIST_SPLIT_BW	Split image in black and white
<model>_MF_ASSIST_SPLIT_COLOR	Split image in color
<model>_MF_ASSIST_PEAK_WHITE_L	Focus peak highlight in low white
<model>_MF_ASSIST_PEAK_WHITE_H	Focus peak highlight in high white
<model>_MF_ASSIST_PEAK_RED_L	Focus peak highlight in low red
<model>_MF_ASSIST_PEAK_RED_H	Focus peak highlight in high red
<model>_MF_ASSIST_PEAK_BLUE_L	Focus peak highlight

	in low blue
<model>_MF_ASSIST_PEAK_BLUE_H	Focus peak highlight in high blue
<model>_MF_ASSIST_PEAK_YELLOW_L	Focus peak highlight in low yellow
<model>_MF_ASSIST_PEAK_YELLOW_H	Focus peak highlight in high yellow
<model>_MF_ASSIST_MICROPRISM	Micro-prism
<model>_MF_ASSIST_FOCUSMETER	Focus meter
<model>_MF_ASSIST_FOCUSMETER_PEAK_WHITE_L	Focus meter + peak highlight in low white
<model>_MF_ASSIST_FOCUSMETER_PEAK_WHITE_H	Focus meter + peak highlight in high white
<model>_MF_ASSIST_FOCUSMETER_PEAK_RED_L	Focus meter + peak highlight in low red
<model>_MF_ASSIST_FOCUSMETER_PEAK_RED_H	Focus meter + peak highlight in high red
<model>_MF_ASSIST_FOCUSMETER_PEAK_BLUE_L	Focus meter + peak highlight in low blue
<model>_MF_ASSIST_FOCUSMETER_PEAK_BLUE_H	Focus meter + peak highlight in high blue
<model>_MF_ASSIST_FOCUSMETER_PEAK_YELLOW_L	Focus meter + peak highlight in low yellow
<model>_MF_ASSIST_FOCUSMETER_PEAK_YELLOW_H	Focus meter + peak highlight in high yellow
<model>_MF_ASSIST_FOCUSMAP_BW	Focus map in black and white
<model>_MF_ASSIST_FOCUSMAP_COLOR	Focus map in color

**Remarks**

This function can be used in State S3.

**See Also**

CapMovieMFAssistMode, GetMovieMFAssistMode

4.2.19.25. GetMovieMFAssistMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the MF ASSIST setting.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieMFAssistMode
lAPIParam	(IN)	<model>_API_PARAM_GetMovieMFAssistMode
plSetting	(OUT)	See lSetting of “SetMovieMFAssistMode”.

Remarks

This function can be used in State S3.

See Also

CapMovieMFAssistMode, SetMovieMFAssistMode

4.2.19.26. CapMovieFocusCheckMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported FOCUS CHECK settings.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_CapMovieFocusCheckMode	
lAPIParam	(IN)	<model>_API_PARAM_CapMovieFocusCheckMode	
plNum	(OUT)	Returns the number of “SetMovieFocusCheckMode” settings supported.	
plSetting	(OUT)	[GFX ETERNA 55]	
		<model>_MOVIE_FOCUSCHECKMODE_OFF	ON
		<model>_MOVIE_FOCUSCHECKMODE_ON_LOW	LOW
		<model>_MOVIE_FOCUSCHECKMODE_ON_HIGH	HIGH

[Other models]

<model>_ON	ON
<model>_OFF	OFF

Remarks

This function can be used in State S3.

See Also

SetMovieFocusCheckMode, GetMovieFocusCheckMode

4.2.19.27. SetMovieFocusCheckMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA 55
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the FOCUS CHECK setting.

Syntax

```
APIENTRY XSDK_SetProp (  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetMovieFocusCheckMode	
lAPIParam	(IN)	<model>_API_PARAM_SetMovieFocusCheckMode	
lSetting	(IN)	[GFX ETERNA 55]	
		<model>_MOVIE_FOCUSCHECKMODE_OFF	ON
		<model>_MOVIE_FOCUSCHECKMODE_ON_LOW	LOW
		<model>_MOVIE_FOCUSCHECKMODE_ON_HIGH	HIGH
		[Other models]	
		<model>_ON	ON
		<model>_OFF	OFF

Remarks

This function can be used in State S3.

See Also

CapMovieFocusCheckMode, GetMovieFocusCheckMode

4.2.19.28. GetMovieFocusCheckMode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the FOCUS CHECK setting.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieFocusCheckMode
lAPIParam	(IN)	<model>_API_PARAM_GetMovieFocusCheckMode
plSetting	(OUT)	See lSetting of “SetMovieFocusCheckMode”.

Remarks

This function can be used in State S3.

See Also

CapMovieFocusCheckMode, SetMovieFocusCheckMode

4.2.19.29. CapMovieFocusCheckLock

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported FOCUS CHECK LOCK settings.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.					
lAPICode	(IN)	<model>_API_CODE_CapMovieFocusCheckLock					
lAPIParam	(IN)	<model>_API_PARAM_CapMovieFocusCheckLock					
plNum	(OUT)	Returns the number of “SetMovieFocusCheckLock” settings supported.					
plSetting	(OUT)	<table><tr><td>&lt;model&gt;_ON</td><td>ON</td></tr><tr><td>&lt;model&gt;_OFF</td><td>OFF</td></tr></table>		<model>_ON	ON	<model>_OFF	OFF
<model>_ON	ON						
<model>_OFF	OFF						

Remarks

This function can be used in State S3.

See Also

SetMovieFocusCheckLock, GetMovieFocusCheckLock,

MODEL DEPENDENT API

4.2.19.30. SetMovieFocusCheckLock

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the FOCUS CHECK LOCK setting.

Syntax

```
APIENTRY XSDK_SetProp (  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetMovieFocusCheckLock	
lAPIParam	(IN)	<model>_API_PARAM_SetMovieFocusCheckLock	
lSetting	(IN)		
		<model>_ON	ON
		<model>_OFF	OFF

Remarks

This function can be used in State S3.

See Also

CapMovieFocusCheckLock, GetMovieFocusCheckLock

**4.2.19.31. GetMovieFocusCheckLock**

**Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓									✓	✓	✓	✓

**Description**

Gets the FOCUS CHECK LOCK setting.

**Syntax**

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Parameters**

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieFocusCheckLock
lAPIParam	(IN)	<model>_API_PARAM_GetMovieFocusCheckLock
plSetting	(OUT)	See lSetting of “SetMovieFocusCheckLock”.

**Remarks**

This function can be used in State S3.

**See Also**

CapMovieFocusCheckLock, SetMovieFocusCheckLock

4.2.19.32. GetFocusMapData

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
											✓								✓	✓	✓	✓

Description

Gets the FUCUS MAP data.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSize
    SDK_FocusMapData* pFocusMapData
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetFocusMapData
lAPIParam	(IN)	<model>_API_PARAM_GetFocusMapData
plSize	(OUT)	Returns the number of focus points.
pFocusMapData	(OUT)	Pointer to a structure (SDK_FocusMapData) table.

```
typedef struct {
    long lDistance;
    long lColorR;
    long lColorG;
    long lColorB;
    long lAlpha;
} SDK_FocusMapData;
```

lDistance:  
Distance

lColorR:  
Point Color R Component

---

IColorG:  
Point Color G Component

IColorB:  
Point Color B Component

lAlpha:  
Transparency, 0~100(%)

**Remarks**

This function can be used in State S3.

**See Also**

None

4.2.19.33. GetMovieFocusMeter

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
											✓								✓	✓	✓	✓

Description

Gets the FOCUS METER status.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plPosition,
    long* plDisplay,
    long* plColor
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_GetMovieFocusGuide	
lAPIParam	(IN)	<model>_API_PARAM_GetMovieFocusGuide	
plPosition	(OUT)	Returns the number about focus position.	
plDisplay	(OUT)	<model>_FOCUSMETER_DISPLAY_ON	ON
		<model>_FOCUSMETER_DISPLAY_OFF	OFF
plColor	(OUT)	<model>_FOCUSMETER_COLOR_GRAY	GRAY
		<model>_FOCUSMETER_COLOR_WHITE	WHITE
		<model>_FOCUSMETER_COLOR_GREEN	GREEN

Remarks

This function can be used in State S3.

See Also

None

4.2.20. Movie Control - AUDIO SETTING

Control the settings that correspond to the following AUDIO SETTING menu.



APIs are available only when the STILL/MOVIE mode is in MOVIE mode.

**4.2.20.1. CapInternalMicLevel****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

**Description**

Queries supported INTERNAL MIC LEVEL ADJUSTMENT settings.

**Syntax**

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Parameters**

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapInternalMicLevel
lAPIParam	(IN)	<model>_API_PARAM_CapInternalMicLevel
plNum	(OUT)	Returns the number of “SetInternalMicLevel” settings supported.
plSetting	(OUT)	

<model>_MIC_LEVEL_OFF	OFF
<model>_MIC_LEVEL_MANUAL	MANUAL
<model>_MIC_LEVEL_AUTO	AUTO

**Remarks**

This function can be used in State S3.

**See Also**

SetInternalMicLevel, GetInternalMicLevel

4.2.20.2. SetInternalMicLevel

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓									✓	✓	✓	✓

Description

Sets the INTERNAL MIC LEVEL ADJUSTMENT setting.

Syntax

```
APIENTRY XSDK_SetProp (  
    XSDK_HANDLE  hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetInternalMicLevel	
lAPIParam	(IN)	<model>_API_PARAM_SetInternalMicLevel	
lSetting	(IN)		
		<model>_MIC_LEVEL_OFF	OFF
		<model>_MIC_LEVEL_MANUAL	MANUAL
		<model>_MIC_LEVEL_AUTO	AUTO

Remarks

This function can be used in State S3.

See Also

CapInternalMicLevel, GetInternalMicLevel

4.2.20.3. GetInternalMicLevel

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the INTERNAL MIC LEVEL ADJUSTMENT setting.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE  hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_SetInternalMicLevel
lAPIParam	(IN)	<model>_API_PARAM_SetInternalMicLevel
plSetting	(OUT)	See lSetting of “SetInternalMicLevel”.

Remarks

This function can be used in State S3.

See Also

CapInternalMicLevel, SetInternalMicLevel

**4.2.20.4. CapInternalMicLevelManual****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

**Description**

Queries supported INTERNAL MIC LEVEL ADJUSTMENT (MANUAL) settings.

**Syntax**

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS

XSDK\_ERROR : ERROR

**Parameters**

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapInternalMicLevelManual
lAPIParam	(IN)	<model>_API_PARAM_CapInternalMicLevelManual
plNum	(OUT)	Returns the number of “SetInternalMicLevelManual” settings supported.
plSetting	(OUT)	

-300	-30 dB
-285	-28.5 dB
-270	-27 dB
-255	-25.5 dB
-240	-24 dB
-225	-22.5 dB
-210	-21 dB
-195	-19.5 dB
-180	-18 dB
-165	-16.5 dB
-150	-15 dB
-135	-13.5 dB

-120	-12 dB
-105	-10.5 dB
-90	-9 dB
-75	-7.5 dB
-60	-6 dB
-45	-4.5 dB
-30	-3 dB
-15	-1.5 dB
0	0 dB
15	1.5 dB
30	3 dB
45	4.5 dB
60	6 dB

**Remarks**

This function can be used in State S3.

**See Also**

SetInternalMicLevel, GetInternalMicLevel

4.2.20.5. SetInternalMicLevelManual

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the INTERNAL MIC LEVEL ADJUSTMENT (MANUAL) setting.

Syntax

```
APIENTRY XSDK_SetProp (  
    XSDK_HANDLE  hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetInternalMicLevelManual

lAPIParam (IN) <model>\_API\_PARAM\_SetInternalMicLevelManual

lSetting (IN)

-300	-30 dB
-285	-28.5 dB
-270	-27 dB
-255	-25.5 dB
-240	-24 dB
-225	-22.5 dB
-210	-21 dB
-195	-19.5 dB
-180	-18 dB
-165	-16.5 dB
-150	-15 dB
-135	-13.5 dB
-120	-12 dB
-105	-10.5 dB

-90	-9 dB
-75	-7.5 dB
-60	-6 dB
-45	-4.5 dB
-30	-3 dB
-15	-1.5 dB
0	0 dB
15	1.5 dB
30	3 dB
45	4.5 dB
60	6 dB

**Remarks**

This function can be used in State S3.

**See Also**

CapInternalMicLevel, GetInternalMicLevel

4.2.20.6. GetInternalMicLevelManual

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA5S
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the INTERNAL MIC LEVEL ADJUSTMENT (MANUAL) setting.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetInternalMicLevel
lAPIParam	(IN)	<model>_API_PARAM_GetInternalMicLevel
plSetting	(OUT)	See lSetting of “SetInternalMicLevelManual”.

Remarks

This function can be used in State S3.

See Also

CapInternalMicLevel, SetInternalMicLevel

4.2.20.7. CapExternalMicLevel

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported EXTERNAL MIC LEVEL ADJUSTMENT settings.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.						
lAPICode	(IN)	<model>_API_CODE_CapExternalMicLevel						
lAPIParam	(IN)	<model>_API_PARAM_CapExternalMicLevel						
plNum	(OUT)	Returns the number of “SetExternalMicLevel” settings supported.						
plSetting	(OUT)	<table><tr><td>&lt;model&gt;_MIC_LEVEL_OFF</td><td>OFF</td></tr><tr><td>&lt;model&gt;_MIC_LEVEL_MANUAL</td><td>MANUAL</td></tr><tr><td>&lt;model&gt;_MIC_LEVEL_AUTO</td><td>AUTO</td></tr></table>	<model>_MIC_LEVEL_OFF	OFF	<model>_MIC_LEVEL_MANUAL	MANUAL	<model>_MIC_LEVEL_AUTO	AUTO
<model>_MIC_LEVEL_OFF	OFF							
<model>_MIC_LEVEL_MANUAL	MANUAL							
<model>_MIC_LEVEL_AUTO	AUTO							

Remarks

This function can be used in State S3.

See Also

SetExternalMicLevel, GetExternalMicLevel

4.2.20.8. SetExternalMicLevel

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the EXTERNAL MIC LEVEL ADJUSTMENT setting.

Syntax

```
APIENTRY XSDK_SetProp (  
    XSDK_HANDLE  hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.						
lAPICode	(IN)	<model>_API_CODE_SetExternalMicLevel						
lAPIParam	(IN)	<model>_API_PARAM_SetExternalMicLevel						
lSetting	(IN)	<table><tr><td>&lt;model&gt;_MIC_LEVEL_OFF</td><td>OFF</td></tr><tr><td>&lt;model&gt;_MIC_LEVEL_MANUAL</td><td>MANUAL</td></tr><tr><td>&lt;model&gt;_MIC_LEVEL_AUTO</td><td>AUTO</td></tr></table>	<model>_MIC_LEVEL_OFF	OFF	<model>_MIC_LEVEL_MANUAL	MANUAL	<model>_MIC_LEVEL_AUTO	AUTO
<model>_MIC_LEVEL_OFF	OFF							
<model>_MIC_LEVEL_MANUAL	MANUAL							
<model>_MIC_LEVEL_AUTO	AUTO							

Remarks

This function can be used in State S3.

See Also

CapExternalMicLevel, GetExternalMicLevel

4.2.20.9. GetExternalMicLevel

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA5S
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the EXTERNAL MIC LEVEL ADJUSTMENT setting.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetExternalMicLevel
lAPIParam	(IN)	<model>_API_PARAM_GetExternalMicLevel
plSetting	(OUT)	See lSetting of “SetExternalMicLevel”.

Remarks

This function can be used in State S3.

See Also

CapExternalMicLevel , SetExternalMicLevel

**4.2.20.10. CapExternalMicLevelManual****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

**Description**

Queries supported EXTERNAL MIC LEVEL ADJUSTMENT (MANUAL) settings.

**Syntax**

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS

XSDK\_ERROR : ERROR

**Parameters**

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapExternalMicLevelManual
lAPIParam	(IN)	<model>_API_PARAM_CapExternalMicLevelManual
plNum	(OUT)	Returns the number of “SetExternalMicLevelManual” settings supported.
plSetting	(OUT)	

-300	-30 dB
-285	-28.5 dB
-270	-27 dB
-255	-25.5 dB
-240	-24 dB
-225	-22.5 dB
-210	-21 dB
-195	-19.5 dB
-180	-18 dB
-165	-16.5 dB
-150	-15 dB
-135	-13.5 dB

-120	-12 dB
-105	-10.5 dB
-90	-9 dB
-75	-7.5 dB
-60	-6 dB
-45	-4.5 dB
-30	-3 dB
-15	-1.5 dB
0	0 dB
15	1.5 dB
30	3 dB
45	4.5 dB
60	6 dB

**Remarks**

This function can be used in State S3.

**See Also**

SetExternalMicLevelManual, GetExternalMicLevelManual

4.2.20.11. SetExternalMicLevelManual

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the EXTERNAL MIC LEVEL ADJUSTMENT (MANUAL) setting.

Syntax

```
APIENTRY XSDK_SetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetExternalMicLevelManual

lAPIParam (IN) <model>\_API\_PARAM\_SetExternalMicLevelManual

lSetting (IN)

-300	-30 dB
-285	-28.5 dB
-270	-27 dB
-255	-25.5 dB
-240	-24 dB
-225	-22.5 dB
-210	-21 dB
-195	-19.5 dB
-180	-18 dB
-165	-16.5 dB
-150	-15 dB
-135	-13.5 dB
-120	-12 dB
-105	-10.5 dB

-90	-9 dB
-75	-7.5 dB
-60	-6 dB
-45	-4.5 dB
-30	-3 dB
-15	-1.5 dB
0	0 dB
15	1.5 dB
30	3 dB
45	4.5 dB
60	6 dB

**Remarks**

This function can be used in State S3.

**See Also**

CapExternalMicLevelManualm, GetExternalMicLevelManual

4.2.20.12. GetExternalMicLevelManual

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA5S
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the EXTERNAL MIC LEVEL ADJUSTMENT (MANUAL) setting.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetExternalMicLevelManual
lAPIParam	(IN)	<model>_API_PARAM_GetExternalMicLevelManual
plSetting	(OUT)	See lSetting of “SetExternalMicLevelManual”.

Remarks

This function can be used in State S3.

See Also

CapExternalMicLevelManual, SetExternalMicLevelManual

4.2.20.13. CapMicLevelLimiter

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported MIC LEVEL LIMITER settings.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.				
lAPICode	(IN)	<model>_API_CODE_CapMicLevelLimiter				
lAPIParam	(IN)	<model>_API_PARAM_CapMicLevelLimiter				
plNum	(OUT)	Returns the number of “SetMicLevelLimiter” settings supported.				
plSetting	(OUT)	<table><tr><td>&lt;model&gt;_ON</td><td>ON</td></tr><tr><td>&lt;model&gt;_OFF</td><td>OFF</td></tr></table>	<model>_ON	ON	<model>_OFF	OFF
<model>_ON	ON					
<model>_OFF	OFF					

Remarks

This function can be used in State S3.

See Also

SetMicLevelLimiter, GetMicLevelLimiter

4.2.20.14. SetMicLevelLimiter

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the MIC LEVEL LIMITER setting.

Syntax

```
APIENTRY XSDK_SetProp (  
    XSDK_HANDLE  hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetMicLevelLimiter	
lAPIParam	(IN)	<model>_API_PARAM_SetMicLevelLimiter	
lSetting	(IN)		
		<model>_ON	ON
		<model>_OFF	OFF

Remarks

This function can be used in State S3.

See Also

CapMicLevelLimiter, GetMicLevelLimiter

4.2.20.15. GetMicLevelLimiter

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the MIC LEVEL LIMITER setting.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMicLevelLimiter
lAPIParam	(IN)	<model>_API_PARAM_GetMicLevelLimiter
plSetting	(OUT)	See lSetting of “SetMicLevelLimiter”.

Remarks

This function can be used in State S3.

See Also

CapMicLevelLimiter, SetMicLevelLimiter

4.2.20.16. CapWindFilter

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported WIND FILTER settings.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.				
lAPICode	(IN)	<model>_API_CODE_CapWindFilter				
lAPIParam	(IN)	<model>_API_PARAM_CapWindFilter				
plNum	(OUT)	Returns the number of “SetWindFilter” settings supported.				
plSetting	(OUT)	<table><tr><td>&lt;model&gt;_ON</td><td>ON</td></tr><tr><td>&lt;model&gt;_OFF</td><td>OFF</td></tr></table>	<model>_ON	ON	<model>_OFF	OFF
<model>_ON	ON					
<model>_OFF	OFF					

Remarks

This function can be used in State S3.

See Also

SetWindFilter, GetWindFilter

4.2.20.17. SetWindFilter

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the WIND FILTER setting.

Syntax

```
APIENTRY XSDK_SetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetWindFilter	
lAPIParam	(IN)	<model>_API_PARAM_SetWindFilter	
lSetting	(IN)		
		<model>_ON	ON
		<model>_OFF	OFF

Remarks

This function can be used in State S3.

See Also

CapWindFilter, GetWindFilter

4.2.20.18. GetWindFilter

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA5S
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the WIND FILTER setting.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetWindFilter
lAPIParam	(IN)	<model>_API_PARAM_GetWindFilter
plSetting	(OUT)	See lSetting of “SetWindFilter”.

Remarks

This function can be used in State S3.

See Also

CapWindFilter, SetWindFilter

**4.2.20.19. CapLowCutFilter****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

**Description**

Queries supported LOW CUT FILTER settings

**Syntax**

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Parameters**

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapLowCutFilter
lAPIParam	(IN)	<model>_API_PARAM_CapLowCutFilter
plNum	(OUT)	Returns the number of “SetLowCutFilter” settings supported.
plSetting	(OUT)	

<model>_ON	ON
<model>_OFF	OFF

**Remarks**

This function can be used in State S3.

**See Also**

SetLowCutFilter, GetLowCutFilter

4.2.20.20. SetLowCutFilter

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the LOW CUT FILTER setting.

Syntax

```
APIENTRY XSDK_SetProp (  
    XSDK_HANDLE  hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetLowCutFilter	
lAPIParam	(IN)	<model>_API_PARAM_SetLowCutFilter	
lSetting	(IN)		
		<model>_ON	ON
		<model>_OFF	OFF

Remarks

This function can be used in State S3.

See Also

CapLowCutFilter, GetLowCutFilter

4.2.20.21. GetLowCutFilter

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the LOW CUT FILTER setting.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetLowCutFilter
lAPIParam	(IN)	<model>_API_PARAM_GetLowCutFilter
plSetting	(OUT)	See lSetting of “SetLowCutFilter”.

Remarks

This function can be used in State S3.

See Also

CapLowCutFilter, SetLowCutFilter

4.2.20.22. CapHeadPhonesVolume

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported HEADPHONES VOLUME settings

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapHeadPhonesVolume
lAPIParam	(IN)	<model>_API_PARAM_CapHeadPhonesVolume
plNum	(OUT)	Returns the number of “SetHeadPhonesVolume” settings supported.
plSetting	(OUT)	

<model>_HEADPHONES_VOLUME_0	0
<model>_HEADPHONES_VOLUME_1	10
<model>_HEADPHONES_VOLUME_2	20
<model>_HEADPHONES_VOLUME_3	30
<model>_HEADPHONES_VOLUME_4	40
<model>_HEADPHONES_VOLUME_5	50
<model>_HEADPHONES_VOLUME_6	60
<model>_HEADPHONES_VOLUME_7	70
<model>_HEADPHONES_VOLUME_8	80
<model>_HEADPHONES_VOLUME_9	90
<model>_HEADPHONES_VOLUME_10	100

Remarks

This function can be used in State S3.

**See Also**

SetHeadPhonesVolume, GetHeadPhonesVolume

4.2.20.23. SetHeadPhonesVolume

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the HEADPHONES VOLUME setting

Syntax

```
APIENTRY XSDK_SetProp (  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetHeadPhonesVolume	
lAPIParam	(IN)	<model>_API_PARAM_SetHeadPhonesVolume	
lSetting	(IN)	<model>_HEADPHONES_VOLUME_0	0
		<model>_HEADPHONES_VOLUME_1	10
		<model>_HEADPHONES_VOLUME_2	20
		<model>_HEADPHONES_VOLUME_3	30
		<model>_HEADPHONES_VOLUME_4	40
		<model>_HEADPHONES_VOLUME_5	50
		<model>_HEADPHONES_VOLUME_6	60
		<model>_HEADPHONES_VOLUME_7	70
		<model>_HEADPHONES_VOLUME_8	80
		<model>_HEADPHONES_VOLUME_9	90
		<model>_HEADPHONES_VOLUME_10	100

Remarks

This function can be used in State S3.

See Also

CapHeadPhonesVolume, GetHeadPhonesVolume

4.2.20.24. GetHeadPhonesVolume

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA 5S
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the HEADPHONES VOLUME setting.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetHeadPhonesVolume
lAPIParam	(IN)	<model>_API_PARAM_GetHeadPhonesVolume
plSetting	(OUT)	See lSetting of “SetHeadPhonesVolume”.

Remarks

This function can be used in State S3.

See Also

CapHeadPhonesVolume, SetHeadPhonesVolume

4.2.20.25. CapXLRAadapterMicSource

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported MIC INPUT CHANNEL settings.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_CapXLRAadapterMicSource	
lAPIParam	(IN)	<model>_API_PARAM_CapXLRAadapterMicSource	
plNum	(OUT)	Returns the number of “SetXLRAadapterMicSource” settings supported.	
plSetting	(OUT)		
		<model>_XLRADAPTER_MIC_SOURCE_4CH	4ch XLR + Camera
		<model>_XLRADAPTER_MIC_SOURCE_2CH	2ch XLR only

Remarks

This function can be used in State S3.

See Also

SetXLRAadapterMicSource, GetXLRAadapterMicSource

4.2.20.26. SetXLRAAdapterMicSource

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA55
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the MIC INPUT CHANNEL setting.

Syntax

```
APIENTRY XSDK_SetProp (  
    XSDK_HANDLE  hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetXLRAAdapterMicSource	
lAPIParam	(IN)	<model>_API_PARAM_SetXLRAAdapterMicSource	
lSetting	(IN)	<model>_XLRADAPTER_MIC_SOURCE_4CH	4ch XLR + Camera
		<model>_XLRADAPTER_MIC_SOURCE_2CH	2ch XLR only

Remarks

This function can be used in State S3.

See Also

CapXLRAAdapterMicSource, GetXLRAAdapterMicSource

4.2.20.27. GetXLRAadapterMicSource

Supported Cameras

		X-T3	X-T4	X-T5	X-Pro2		X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA5S
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the MIC INPUT CHANNEL setting.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetXLRAadapterMicSource
lAPIParam	(IN)	<model>_API_PARAM_GetXLRAadapterMicSource
plSetting	(OUT)	See lSetting of “SetXLRAadapterMicSource”.

Remarks

This function can be used in State S3.

See Also

CapXLRAadapterMicSource, SetXLRAadapterMicSource

4.2.20.28. CapXLRAadapterMonitoringSource

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported 4CH AUDIO MONITORING settings.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_CapXLRAadapterMonitoringSource	
lAPIParam	(IN)	<model>_API_PARAM_CapXLRAadapterMonitoringSource	
plNum	(OUT)	Returns the number of “SetXLRAadapterMonitoringSource” settings supported.	
plSetting	(OUT)		
		<model>_XLRADAPTER_MONITOR_SOURCE_XLR	XLR
		<model>_XLRADAPTER_MONITOR_SOURCE_CAMERA	Camera

Remarks

This function can be used in State S3.

See Also

SetXLRAadapterMonitoringSource, GetXLRAadapterMonitoringSource

4.2.20.29. SetXLRAAdapterMonitoringSource

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA5S
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the 4CH AUDIO MONITORING setting.

Syntax

```
APIENTRY XSDK_SetProp (  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetXLRAAdapterMonitoringSource	
lAPIParam	(IN)	<model>_API_PARAM_SetXLRAAdapterMonitoringSource	
lSetting	(IN)	<model>_XLRADAPTER_MONITOR_SOURCE_XLR	XLR
		<model>_XLRADAPTER_MONITOR_SOURCE_CAMERA	Camera

Remarks

This function can be used in State S3.

See Also

CapXLRAAdapterMonitoringSource, GetXLRAAdapterMonitoringSource

4.2.20.30. GetXLRAadapterMoniteringSource

Supported Cameras

		X-T3	X-T4	X-T5	X-Pro2		X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the 4CH AUDIO MONITORING setting

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetXLRAadapterMoniteringSource
lAPIParam	(IN)	<model>_API_PARAM_GetXLRAadapterMoniteringSource
plSetting	(OUT)	See lSetting of “SetXLRAadapterMoniteringSource”.

Remarks

This function can be used in State S3.

See Also

CapXLRAadapterMoniteringSource, SetXLRAadapterMoniteringSource

4.2.20.31. CapXLRAadapterHDMIOutputSource

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported HDMI 4CH AUDIO OUTPUT settings.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_CapXLRAadapterHDMIOutputSource	
lAPIParam	(IN)	<model>_API_PARAM_CapXLRAadapterHDMIOutputSource	
plNum	(OUT)	Returns the number of “SetXLRAadapterHDMIOutputSource” settings supported.	
plSetting	(OUT)		
		<model>_XLRADAPTER_HDMIOUTPUT_SOURCE_XLR	XLR
		<model>_XLRADAPTER_HDMIOUTPUT_SOURCE_CAMERA	Camera

Remarks

This function can be used in State S3.

See Also

SetXLRAadapterHDMIOutputSource, GetXLRAadapterHDMIOutputSource

4.2.20.32. SetXLRAadapterHDMIOutputSource

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the HDMI 4CH AUDIO OUTPUT setting.

Syntax

```
APIENTRY XSDK_SetProp (  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetXLRAadapterHDMIOutputSource	
lAPIParam	(IN)	<model>_API_PARAM_SetXLRAadapterHDMIOutputSource	
lSetting	(IN)		
		<model>_XLRADAPTER_HDMIOUTPUT_SOURCE_XLR	XLR
		<model>_XLRADAPTER_HDMIOUTPUT_SOURCE_CAMERA	Camera

Remarks

This function can be used in State S3.

See Also

CapXLRAadapterHDMIOutputSource, GetXLRAadapterHDMIOutputSource

4.2.20.33. GetXLRAadapterHDMIOutputSource

Supported Cameras

		X-T3	X-T4	X-T5	X-Pro2		X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the HDMI 4CH AUDIO OUTPUT setting.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetXLRAadapterHDMIOutputSource
lAPIParam	(IN)	<model>_API_PARAM_GetXLRAadapterHDMIOutputSource
plSetting	(OUT)	See lSetting of “SetXLRAadapterHDMIOutputSource”.

Remarks

This function can be used in State S3.

See Also

CapXLRAadapterHDMIOutputSource, SetXLRAadapterHDMIOutputSource

4.2.20.34. GetMicLevelIndicator

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the MIC LEVEL.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    <model>_MICLEVEL_INDICATOR* pIndicator
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMicLevelIndicator
lAPIParam	(IN)	<model>_API_PARAM_GetMicLevelIndicator
pIndicator	(OUT)	Pointer to a structure (SDK_MICLEVEL_INDICATOR) table.

```
typedef struct {
    long IDSC_L_Peak;
    long IDSC_L_PeakHold;
    long IDSC_R_Peak;
    long IDSC_R_PeakHold;
    long IXLR_1_Peak;
    long IXLR_1_PeakHold;
    long IXLR_2_Peak;
    long IXLR_2_PeakHold;
    long lWarning1;
    long lWarning2;
    long lMicLine;
} SDK_MICLEVEL_INDICATOR;
```

---

**IDSC\_L\_Peak:**

Camera L Peak value block No. (-1: hidden, 0-20: valid value).

**IDSC\_L\_PeakHold:**

Camera L Peak hold block No. (-1: hidden, 0-20: valid value).

**IDSC\_R\_Peak:**

Camera R Peak value block No. (-1: non-dispaly, 0-20: valid value).

**IDSC\_R\_PeakHold:**

Camera R Peak hold block No. (-1: non-dispaly, 0-20: valid value).

**IXLR\_1\_Peak:**

XLR1 Peak value block No. (-1: non-dispaly, 0-20: valid value).

**IXLR\_1\_PeakHold:**

XLR1 Peak hold block No. (-1: non-dispaly, 0-20: valid value).

**IXLR\_2\_Peak:**

XLR2 Peak value block No. (-1: non-dispaly, 0-20: valid value).

**IXLR\_2\_PeakHold:**

XLR2 Peak hold block No. (-1: non-dispaly, 0-20: valid value).

**IWarning1:**

Warning 1 Block No. (1-20) \*Display peak value and peak hold above this value in warning 1 color.

**IWarning2:**

Warning 2 Block No. (1-20) \*Display peak value and peak hold above this value in warning 2 colors.

**IMicLine:**

Mic/Line information (0: Mic, 1: Line) \*Information indicating whether the above output is mic or line.

---

**Remarks**

This function can be used in State S3.

**See Also**

None

**4.2.20.35. CapMovieRecVolume****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓						✓	✓								✓	✓	✓	✓

**Description**

Queries supported REC START/STOP VOLUME setting.

**Syntax**

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Parameters**

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapMovieRecVolume
lAPIParam	(IN)	<model>_API_PARAM_CapMovieRecVolume
plNum	(OUT)	Returns the number of “SetMovieRecVolume” settings supported.
plSetting	(OUT)	

<model>_MOVIE_REC_VOLUME_OFF	OFF
<model>_MOVIE_REC_VOLUME_1	Low
<model>_MOVIE_REC_VOLUME_2	Medium
<model>_MOVIE_REC_VOLUME_3	Loud

**Remarks**

This function can be used in State S3.

**See Also**

SetMovieRecVolume, GetMovieRecVolume

4.2.20.36. SetMovieRecVolume

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓						✓	✓								✓	✓	✓	✓

Description

Sets the REC START/STOP VOLUME setting.

Syntax

```
APIENTRY XSDK_SetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetMovieRecVolume	
lAPIParam	(IN)	<model>_API_PARAM_SetMovieRecVolume	
lSetting	(IN)	<model>_MOVIE_REC_VOLUME_OFF	OFF
		<model>_MOVIE_REC_VOLUME_1	Low
		<model>_MOVIE_REC_VOLUME_2	Medium
		<model>_MOVIE_REC_VOLUME_3	Loud

Remarks

This function can be used in State S3.

See Also

CapMovieRecVolume, GetMovieRecVolume

MODEL DEPENDENT API

4.2.20.37. GetMovieRecVolume

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓						✓	✓								✓	✓	✓	✓

Description

Gets the REC START/STOP VOLUME setting.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetMovieRecVolume
lAPIParam	(IN)	<model>_API_PARAM_GetMovieRecVolume
plSetting	(OUT)	See lSetting of “SetMovieRecVolume”.

Remarks

This function can be used in State S3.

See Also

CapMovieRecVolume, SetMovieRecVolume

**4.2.20.38. CapDirectionalMic****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
											✓											

**Description**

Queries supported DIRECTIONAL MICROPHONE settings.

**Syntax**

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Parameters**

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_CapDirectionalMic

lAPIParam (IN) <model>\_API\_PARAM\_CapDirectionalMic

plNum (OUT) Returns the number of “SetDirectionalMic” settings supported

plSetting (OUT)

<model>_DIRECTIONAL_MIC_AUTO	Auto
<model>_DIRECTIONAL_MIC_SURROUND	Surround
<model>_DIRECTIONAL_MIC_FRONT	Front
<model>_DIRECTIONAL_MIC_TRACKING	Tracking
<model>_DIRECTIONAL_MIC_NARRATION	Narration

**Remarks**

This function can be used in State S3.

**See Also**

SetDirectionalMic, GetDirectionalMic

4.2.20.39. SetDirectionalMic

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
											✓											

Description

Sets the DIRECTIONAL MICROPHONE setting.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetDirectionalMic

lAPIParam (IN) <model>\_API\_PARAM\_SetDirectionalMic

lSetting (IN)

<model>_DIRECTIONAL_MIC_AUTO	Auto
<model>_DIRECTIONAL_MIC_SURROUND	Surround
<model>_DIRECTIONAL_MIC_FRONT	Front
<model>_DIRECTIONAL_MIC_TRACKING	Tracking
<model>_DIRECTIONAL_MIC_NARRATION	Narration

Remarks

This function can be used in State S3.

See Also

CapDirectionalMic, GetDirectionalMic

4.2.20.40. GetDirectionalMic

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
											✓											

Description

Gets the DIRECTIONAL MICROPHONE setting.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetDirectionalMic
lAPIParam	(IN)	<model>_API_PARAM_GetDirectionalMic
plSetting	(OUT)	See lSetting of “SetDirectionalMic”.

Remarks

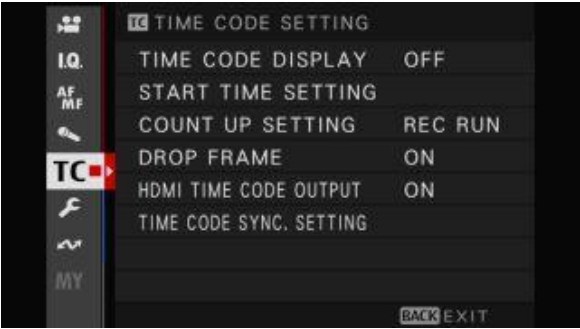
This function can be used in State S3.

See Also

CapDirectionalMic, SetDirectionalMic

4.2.21. Movie Control - TIME CODE SETTING

Control the settings that correspond to the following TIME CODE SETTING menu.



APIs are available only when the STILL/MOVIE mode is in MOVIE mode.

4.2.21.1. CapTimeCodeDisplay

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported TIME CODE DISPLAY settings.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.					
lAPICode	(IN)	<model>_API_CODE_CapTimeCodeDisplay					
lAPIParam	(IN)	<model>_API_PARAM_CapTimeCodeDisplay					
plNum	(OUT)	Returns the number of “SetTimeCodeDisplay” settings supported.					
plSetting	(OUT)	<table><tr><td>&lt;model&gt;_ON</td><td>ON</td></tr><tr><td>&lt;model&gt;_OFF</td><td>OFF</td></tr></table>		<model>_ON	ON	<model>_OFF	OFF
<model>_ON	ON						
<model>_OFF	OFF						

Remarks

This function can be used in State S3.

See Also

SetTimeCodeDisplay, GetTimeCodeDisplay

4.2.21.2. SetTimeCodeDisplay

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the TIME CODE DISPLAY setting.

Syntax

```
APIENTRY XSDK_SetProp (
    XSDK_HANDLE  hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetTimeCodeDisplay	
lAPIParam	(IN)	<model>_API_PARAM_SetTimeCodeDisplay	
lSetting	(IN)		
		<model>_ON	ON
		<model>_OFF	OFF

Remarks

This function can be used in State S3.

See Also

CapTimeCodeDisplay, GetTimeCodeDisplay

4.2.21.3. GetTimeCodeDisplay

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the TIME CODE DISPLAY setting.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetTimeCodeDisplay
lAPIParam	(IN)	<model>_API_PARAM_GetTimeCodeDisplay
plSetting	(OUT)	See lSetting of “SetTimeCodeDisplay”.

Remarks

This function can be used in State S3.

See Also

CapTimeCodeDisplay, SetTimeCodeDisplay

4.2.21.4. CapTimeCodeStartSetting

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported START TIME SETTING settings.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_CapTimeCodeStartSetting	
lAPIParam	(IN)	<model>_API_PARAM_CapTimeCodeStartSetting	
plNum	(OUT)	Returns the number of “SetTimeCodeStartSetting” settings supported.	
plSetting	(OUT)		
		<model>_TIMECODE_START_SETTING_MANUAL	Manual
		<model>_TIMECODE_START_SETTING_CURRENT	Current time
		<model>_TIMECODE_START_SETTING_RESET	Reset

Remarks

This function can be used in State S3.

See Also

SetTimeCodeStartSetting

4.2.21.5. SetTimeCodeStartSetting

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the START TIME SETTING setting.

Syntax

```
APIENTRY XSDK_SetProp (  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting,  
    long lHour,  
    long lMinute,  
    long lSecond,  
    long lMilliSecond  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetTimeCodeStartSetting	
lAPIParam	(IN)	<model>_API_PARAM_SetTimeCodeStartSetting	
lSetting	(IN)		
		<model>_TIMECODE_START_SETTING_MANUAL	Manual
		<model>_TIMECODE_START_SETTING_CURRENT	Current time
		<model>_TIMECODE_START_SETTING_RESET	Reset
lHour	(IN)	Hour: 0-23 (Valid only when MANUAL is specified in lSetting)	
lMinute	(IN)	Minute: 0-59 (Valid only when MANUAL is specified in lSetting)	
lSecond	(IN)	Second: 0-59 (Valid only when MANUAL is specified in lSetting)	
lMilliSecond	(IN)	Millisecond: 0-29 (Valid only when MANUAL is specified in lSetting)	

Remarks

This function can be used in State S3.

See Also

CapTimeCodeStartSetting

4.2.21.6. CapTimeCodeCountUp

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5		X-M5	GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA 55
				✓				✓	✓	✓	✓		✓						✓	✓	✓	✓

Description

Queries supported COUNT UP SETTING settings.

Syntax

```
APIENTRY XSDK_CapProp (  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plNum,  
    long* plSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_CapTimeCodeCountUp	
lAPIParam	(IN)	<model>_API_PARAM_CapTimeCodeCountUp	
plNum	(OUT)	Returns the number of “SetTimeCodeCountUp” settings supported.	
plSetting	(OUT)		
		<model>_TIMECODE_COUNTUP_RECRUN	RECRUN
		<model>_TIMECODE_COUNTUP_FREERUN	FREERUN

Remarks

This function can be used in State S3.

See Also

SetTimeCodeCountUp, GetTimeCodeCountUp

4.2.21.7. SetTimeCodeCountUp

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the COUNT UP SETTING setting.

Syntax

```
APIENTRY XSDK_SetProp (  
    XSDK_HANDLE  hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetTimeCodeCountUp	
lAPIParam	(IN)	<model>_API_PARAM_SetTimeCodeCountUp	
lSetting	(IN)		
		<model>_TIMECODE_COUNTUP_RECRUN	RECRUN
		<model>_TIMECODE_COUNTUP_FREERUN	FREERUN

Remarks

This function can be used in State S3.

See Also

CapTimeCodeCountUp, GetTimeCodeCountUp

4.2.21.8. GetTimeCodeCountUp

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA5S
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the COUNT UP SETTING setting.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetTimeCodeCountUp
lAPIParam	(IN)	<model>_API_PARAM_GetTimeCodeCountUp
plSetting	(OUT)	See lSetting of “SetTimeCodeCountUp”.

Remarks

This function can be used in State S3.

See Also

CapTimeCodeCountUp, SetTimeCodeCountUp

4.2.21.9. CapTimeCodeDropFrame

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported DROP FRAME settings.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.					
lAPICode	(IN)	<model>_API_CODE_CapTimeCodeDropFrame					
lAPIParam	(IN)	<model>_API_PARAM_CapTimeCodeDropFrame					
plNum	(OUT)	Returns the number of “SetTimeCodeDropFrame” settings supported.					
plSetting	(OUT)	<table><tr><td>&lt;model&gt;_ON</td><td>ON</td></tr><tr><td>&lt;model&gt;_OFF</td><td>OFF</td></tr></table>		<model>_ON	ON	<model>_OFF	OFF
<model>_ON	ON						
<model>_OFF	OFF						

Remarks

This function can be used in State S3.

See Also

SetTimeCodeDropFrame, GetTimeCodeDropFrame

4.2.21.10. SetTimeCodeDropFrame

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the DROP FRAME setting.

Syntax

```
APIENTRY XSDK_SetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetTimeCodeDropFrame	
lAPIParam	(IN)	<model>_API_PARAM_SetTimeCodeDropFrame	
lSetting	(IN)		
		<model>_ON	ON
		<model>_OFF	OFF

Remarks

This function can be used in State S3.

See Also

CapTimeCodeDropFrame, GetTimeCodeDropFrame

4.2.21.11. GetTimeCodeDropFrame

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the DROP FRAME setting.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetTimeCodeDropFrame
lAPIParam	(IN)	<model>_API_PARAM_GetTimeCodeDropFrame
plSetting	(OUT)	See lSetting of “SetTimeCodeDropFrame”.

Remarks

This function can be used in State S3.

See Also

CapTimeCodeDropFrame, SetTimeCodeDropFrame

4.2.21.12. CapTimeCodeHDMIOutput

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Queries supported HDMI TIME CODE OUTPUT settings.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.				
lAPICode	(IN)	<model>_API_CODE_CapTimeCodeHDMIOutput				
lAPIParam	(IN)	<model>_API_PARAM_CapTimeCodeHDMIOutput				
plNum	(OUT)	Returns the number of “SetTimeCodeHDMIOutput” settings supported.				
plSetting	(OUT)	<table><tr><td>&lt;model&gt;_ON</td><td>ON</td></tr><tr><td>&lt;model&gt;_OFF</td><td>OFF</td></tr></table>	<model>_ON	ON	<model>_OFF	OFF
<model>_ON	ON					
<model>_OFF	OFF					

Remarks

This function can be used in State S3.

See Also

SetTimeCodeHDMIOutput, GetTimeCodeHDMIOutput

4.2.21.13. SetTimeCodeHDMIOutput

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets the HDMI TIME CODE OUTPUT setting.

Syntax

```
APIENTRY XSDK_SetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetTimeCodeHDMIOutput	
lAPIParam	(IN)	<model>_API_PARAM_SetTimeCodeHDMIOutput	
lSetting	(IN)		
		<model>_ON	ON
		<model>_OFF	OFF

Remarks

This function can be used in State S3.

See Also

CapTimeCodeHDMIOutput, GetTimeCodeHDMIOutput

4.2.21.14. GetTimeCodeHDMIOutput

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the HDMI TIME CODE OUTPUT setting.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetTimeCodeHDMIOutput
lAPIParam	(IN)	<model>_API_PARAM_GetTimeCodeHDMIOutput
plSetting	(OUT)	See lSetting of “SetTimeCodeHDMIOutput”.

Remarks

This function can be used in State S3.

See Also

CapTimeCodeHDMIOutput, SetTimeCodeHDMIOutput

4.2.21.15. CapATOMOSAirGluConnection

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
											✓								✓	✓	✓	✓

Description

Queries supported CONNECT TO ATOMOS AirGlu BT settings.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.					
lAPICode	(IN)	<model>_API_CODE_CapATOMOSAirGluConnection					
lAPIParam	(IN)	<model>_API_PARAM_CapATOMOSAirGluConnection					
plSetting	(OUT)	<table><tr><td>&lt;model&gt;_ON</td><td>ON</td></tr><tr><td>&lt;model&gt;_OFF</td><td>OFF</td></tr></table>		<model>_ON	ON	<model>_OFF	OFF
<model>_ON	ON						
<model>_OFF	OFF						

Remarks

This function can be used in State S3.

See Also

SetATOMOSAirGluConnection, GetATOMOSAirGluConnection

4.2.21.16. SetATOMOSAirGluConnection

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
											✓								✓	✓	✓	✓

Description

Sets the CONNECT TO ATOMOS AirGlu BT settings.

Syntax

```
APIENTRY XSDK_SetProp (
    XSDK_HANDLE  hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetATOMOSAirGluConnection	
lAPIParam	(IN)	<model>_API_PARAM_SetATOMOSAirGluConnection	
lSetting	(IN)		
		<model>_ON	ON
		<model>_OFF	OFF

Remarks

This function can be used in State S3.

See Also

CapATOMOSAirGluConnection, GetATOMOSAirGluConnection

4.2.21.17. GetATOMOSAirGluConnection

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
											✓									✓	✓	✓	✓

Description

Gets the CONNECT TO ATOMOS AirGlu BT setting.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetATOMOSAirGluConnection
lAPIParam	(IN)	<model>_API_PARAM_GetATOMOSAirGluConnection
plSetting	(OUT)	See lSetting of “SetATOMOSAirGluConnection”.

Remarks

This function can be used in State S3.

See Also

CapATOMOSAirGluConnection, SetATOMOSAirGluConnection

4.2.21.18. GetTimeCode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the TIME CODE.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plHour,
    long* plMinute,
    long* plSecond,
    long* plMillisecond
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetTimeCode
lAPIParam	(IN)	<model>_API_PARAM_GetTimeCode
plHour	(OUT)	Hour: 0-23
plMinute	(OUT)	Minute: 0-59
plSecond	(OUT)	Second: 0-59
plMillisecond	(OUT)	Millisecond: 0-29

Remarks

This function can be used in State S3.

See Also

None

MODEL DEPENDENT API

4.2.21.19. GetTimeCodeCurrentValue

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets the TIME CODE (CURRENT VALUE).

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plHour,
    long* plMinute,
    long* plSecond,
    long* plMillisecond
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetTimeCodeCurrentvalue
lAPIParam	(IN)	<model>_API_PARAM_GetTimeCodeCurrentValue
plHour	(OUT)	Hour: 0-23
plMinute	(OUT)	Minute: 0-59
plSecond	(OUT)	Second: 0-59
plMillisecond	(OUT)	Millisecond: 0-29

Remarks

This function can be used in State S3.

See Also

None

MODEL DEPENDENT API

4.2.21.20. GetTimeCodeStatus

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
											✓								✓	✓	✓	✓

Description

Gets the TIME CODE SYNC. SETTING status.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plStatus
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_GetTimeCodeStatus	
lAPIParam	(IN)	<model>_API_PARAM_GetTimeCodeStatus	
plStatus	(OUT)		
		<model>_TIMECODE_STATUS_USE_ALONE	Camera alone use
		<model>_TIMECODE_STATUS_SYNCING	ATOMOS AirGlu connected & Timecode synchronized.
		<model>_TIMECODE_STATUS_DISCONNECTED	AirGlu disconnection
		<model>_TIMECODE_STATUS_NOT_SYNCED	ATOMOS AirGlu connected & Timecode not synchronized (other).
		<model>_TIMECODE_FRAMERATE_MISMATCH	ATOMOS AirGlu connected & Timecode not synchronized

		(frame rate mismatch).
--	--	------------------------

Remarks

This function can be used in State S3.

See Also

None

MODEL DEPENDENT API

4.2.21.21. CapTimeCodeSyncSetting

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
																							✓

Description

Queries supported TIME CODE SYNC. SETTINGS.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_CapTimeCodeSyncSetting

lAPIParam (IN) <model>\_API\_PARAM\_CapTimeCodeSyncSetting

plNum (OUT) Returns the number of “SetTimeCodeSyncSetting” settings supported.

plSetting (OUT)

<model>_TIMECODE_SYNCSETTING_CAMERA	In Camera
<model>_TIMECODE_SYNCSETTING_BLUETOOTH	Bluetooth/ATOMOS AirGlu BT
<model>_TIMECODE_SYNCSETTING_USB	USB/AMBIENT Lock
<model>_TIMECODE_SYNCSETTING_TC_IN	TC-IN

Remarks

This function can be used in State S3.

See Also

SetTimeCodeSyncSetting, GetTimeCodeSyncSetting

4.2.21.22. SetTimeCodeSyncSetting

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Sets the TIME CODE SYNC. SETTING.

Syntax

```
APIENTRY XSDK_SetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.									
lAPICode	(IN)	<model>_API_CODE_SetTimeCodeSyncSetting									
lAPIParam	(IN)	<model>_API_PARAM_SetTimeCodeSyncSetting									
lSetting	(IN)	<table><tr><td>&lt;model&gt;_TIMECODESYNCSETTING_CAMERA</td><td>OFF</td></tr><tr><td>&lt;model&gt;_TIMECODESYNCSETTING_BLUETOOTH</td><td>Bluetooth/ATOMOS AirGlu BT</td></tr><tr><td>&lt;model&gt;_TIMECODESYNCSETTING_USB</td><td>USB/AMBIENT Lock</td></tr><tr><td>&lt;model&gt;_TIMECODESYNCSETTING_TC_IN</td><td>TC-IN</td></tr></table>		<model>_TIMECODESYNCSETTING_CAMERA	OFF	<model>_TIMECODESYNCSETTING_BLUETOOTH	Bluetooth/ATOMOS AirGlu BT	<model>_TIMECODESYNCSETTING_USB	USB/AMBIENT Lock	<model>_TIMECODESYNCSETTING_TC_IN	TC-IN
<model>_TIMECODESYNCSETTING_CAMERA	OFF										
<model>_TIMECODESYNCSETTING_BLUETOOTH	Bluetooth/ATOMOS AirGlu BT										
<model>_TIMECODESYNCSETTING_USB	USB/AMBIENT Lock										
<model>_TIMECODESYNCSETTING_TC_IN	TC-IN										

Remarks

This function can be used in State S3.

See Also

CapTimeCodeSyncSetting, GeTimeCodeSyncSetting

4.2.21.23. GetTimeCodeSyncSetting

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Gets the TIME CODE SYNC. SETTING.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetTimeCodeSyncSetting
lAPIParam	(IN)	<model>_API_PARAM_GetTimeCodeSyncSetting
plSetting	(OUT)	See lSetting of “SetTimeCodeSyncSetting”.

Remarks

This function can be used in State S3.

See Also

CapTimeCodeSyncSetting, SetTimeCodeSyncSetting

4.2.21.24. CapTimeCodeConnector

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Queries supported TIME CODE CONNECTOR settings.

Syntax

```
APIENTRY XSDK_CapProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_CapTimeCodeConnector	
lAPIParam	(IN)	<model>_API_PARAM_CapTimeCodeConnector	
plSetting	(OUT)		
		<model>_TIMECODE_CONNECTOR_IN	IN
		<model>_TIMECODE_CONNECTOR_OUT	OUT

Remarks

This function can be used in State S3.

See Also

SetTimeCodeConnector, GetTimeCodeConnector

MODEL DEPENDENT API

4.2.21.25. SetTimeCodeConnector

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Sets the TIME CODE CONNECTOR setting.

Syntax

```
APIENTRY XSDK_SetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetTimeCodeConnector	
lAPIParam	(IN)	<model>_API_PARAM_SetTimeCodeConnector	
lSetting	(IN)	<model>_TIMECODE_CONNECTOR_IN	IN
		<model>_TIMECODE_CONNECTOR_OUT	OUT

Remarks

This function can be used in State S3.

See Also

CapTimeCodeConnector, GetTimeCodeConnector

4.2.21.26. GetTimeCodeConnector

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

Gets the TIME CODE CONNECTOR setting.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE  hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetTimeCodeConnector
lAPIParam	(IN)	<model>_API_PARAM_GetTimeCodeConnector
plSetting	(OUT)	See lSetting of “SetTimeCodeConnector”.

Remarks

This function can be used in State S3.

See Also

CapTimeCodeConnector, SetTimeCodeConnector

4.2.22. Other Functions

4.2.22.1. CapCustomAutoPowerOff

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA 55
				✓				✓	✓	✓	✓									✓	✓	✓	✓

Description

Queries supported customizable options for AUTO POWER OFF for “2 MIN”.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSeconds_Min,
    long* plSeconds_Max
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapCustomAutoPowerOff
lAPIParam	(IN)	<model>_API_PARAM_CapCustomAutoPowerOff
plSeconds_Min	(OUT)	Returns the minimum supported auto power off time.
plSeconds_Max	(OUT)	Returns the maximum supported auto power off time.

Remarks

This function can be used in State S3.

See Also

SetCustomAutoPowerOff

MODEL DEPENDENT API

4.2.22.2. SetCustomAutoPowerOff

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

Description

Sets the custom AUTO POWER OFF for “2 MIN”.

Syntax

```
APIENTRY XSDK_SetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSeconds
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_SetCustomAutoPowerOff
lAPIParam	(IN)	<model>_API_PARAM_SetCustomAutoPowerOff
lSeconds	(IN)	A value of from 1 to 255. Values of 1 to 254 are equivalent to auto power off delays of 10 to 263 seconds, while 255 disables auto power off.

Remarks

This function can be used in State S3.

See Also

GetCustomAutoPowerOff

MODEL DEPENDENT API

4.2.22.3. GetCustomAutoPowerOff

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
		✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

Description

Gets the custom AUTO POWER OFF for “2 MIN”.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plSeconds  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetCustomAutoPowerOff
lAPIParam	(IN)	<model>_API_PARAM_GetCustomAutoPowerOff
plSeconds	(OUT)	See lSeconds of “SetCustomAutoPowerOff”.

Remarks

This function can be used in State S3.

See Also

SetCustomAutoPowerOff

**4.2.22.4. CapPerformanceSettings****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

**Description**

Queries supported PERFORMANCE settings.

**Syntax**

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS

XSDK\_ERROR : ERROR

**Parameters**

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_CapPerformanceSettings

lAPIParam (IN) <model>\_API\_PARAM\_CapPerformanceSettings

m

plNum (OUT) Returns the number of “SetPerformanceSetting” settings supported.

plSetting (OUT)

<model>_PERFORMANCE_NORMAL	NORMAL
<model>_PERFORMANCE_ECONOMY	ECONOMY
<model>_PERFORMANCE_BOOST_LOWLIGHT	EVF/LCD LOW LIGHT PRIORITY
<model>_PERFORMANCE_BOOST_RESOLUTION_PRIORITY	EVF/LCD RESOLUTION PRIORITY
<model>_PERFORMANCE_BOOST_FRAMERATE_PRIORITY	EVF FRAME RATE PRIORITY (120P)
<model>_PERFORMANCE_BOOST_AFPRIORITY_NORMAL	AF PRIORITY - NORMAL

<model>_PERFORMANCE_BOOST_AFTERIMAGE_REDUCTION	EVF RATE (240P EQUIV.)	FRAME PRIORITY
--	------------------------------	-------------------

**Remarks**

This function can be used in State S3.

**See Also**

SetPerformanceSettings, GetPerformanceSettings

**4.2.22.5. SetPerformanceSettings****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
			✓	✓			✓	✓	✓	✓	✓					✓	✓		✓	✓	✓	✓

**Description**

Sets the PERFORMANCE setting.

**Syntax**

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Parameters**

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_SetPerformanceSettings
lAPIParam	(IN)	<model>_API_PARAM_SetPerformanceSettings
lSetting	(IN)	

**[GFX System]**

<model>_PERFORMANCE_NORMAL	NORMAL
<model>_PERFORMANCE_BOOST_LOWLIGHT	AF PRIORITY - LOW LIGHT
<model>_PERFORMANCE_BOOST_RESOLUTION_PRIORITY	EVF RESOLUTION PRIORITY
<model>_PERFORMANCE_BOOST_FRAMERATE_PRIORITY	EVF FRAME RATE PRIORITY
<model>_PERFORMANCE_BOOST_AFPRIORITY_NORMAL	AF PRIORITY - NORMAL

**[X Series]**

<model>_PERFORMANCE_NORMAL	NORMAL
<model>_PERFORMANCE_ECONOMY	ECONOMY

<model>_PERFORMANCE_BOOST_LOWLIGHT	EVF/LCD LOW LIGHT PRIORITY
<model>_PERFORMANCE_BOOST_RESOLUTION_PRIORITY	EVF/LCD RESOLUTION PRIORITY
<model>_PERFORMANCE_BOOST_FRAMERATE_PRIORITY	EVF FRAME RATE PRIORITY (120P)
<model>_PERFORMANCE_BOOST_AFPRIORITY_NORMAL	AF PRIORITY - NORMAL
<model>_PERFORMANCE_BOOST_AFTERIMAGE_REDUCTION	EVF FRAME RATE PRIORITY (240P EQUIV.)

**Remarks**

This function can be used in State S3.

**See Also**

CapPerformanceSettings, GetPerformanceSettings

**4.2.22.6. GetPerformanceSettings****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
			✓	✓			✓	✓	✓	✓	✓					✓	✓		✓	✓	✓	✓

**Description**

Get the PERFORMANCE setting.

**Syntax**

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Parameters**

hCamera (IN) The camera handle.

---

lAPICode (IN) <model>\_API\_CODE\_CapPerformanceSettings

---

lAPIParam (IN) <model>\_API\_PARAM\_CapPerformanceSettings

---

m

---

plSetting (OUT)

**[GFX System]**

<model>_PERFORMANCE_NORMAL	NORMAL
<model>_PERFORMANCE_BOOST_LOWLIGHT	AF PRIORITY - LOW LIGHT
<model>_PERFORMANCE_BOOST_RESOLUTION_PRIORITY	EVF RESOLUTION PRIORITY
<model>_PERFORMANCE_BOOST_FRAMERATE_PRIORITY	EVF FRAME RATE PRIORITY
<model>_PERFORMANCE_BOOST_AFPRIORITY_NORMAL	AF PRIORITY - NORMAL

**[X Series]**

<model>_PERFORMANCE_NORMAL	NORMAL
----------------------------	--------

<model>_PERFORMANCE_ECONOMY	ECONOMY
<model>_PERFORMANCE_BOOST_LOWLIGHT	EVF/LCD LOW LIGHT PRIORITY
<model>_PERFORMANCE_BOOST_RESOLUTION_PRIORITY	EVF/LCD RESOLUTIO N PRIORITY
<model>_PERFORMANCE_BOOST_FRAMERATE_PRIORITY	EVF FRAME RATE PRIORITY (120P)
<model>_PERFORMANCE_BOOST_AFPRIORITY_NORMAL	AF PRIORITY - NORMAL
<model>_PERFORMANCE_BOOST_AFTERIMAGE_REDUCTION	EVF FRAME RATE PRIORITY (240P EQUIV.)

**Remarks**

This function can be used in State S3.

**See Also**

CapPerformanceSettings, SetPerformanceSettings

4.2.22.7. CapElectronicLevelSetting

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA 55
				✓				✓	✓	✓	✓									✓	✓	✓	✓

Description

Queries supported ELECTRONIC LEVEL SETTING selections.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapElectronicLevelSetting
lAPIParam	(IN)	<model>_API_PARAM_CapElectronicLevelSetting
plNum	(OUT)	Returns the number of “SetElectronicLevelSetting” settings supported.
plSetting	(OUT)	See lSetting of “SetElectronicLevelSetting”.

Remarks

This function can be used in State S3.

See Also

SetElectronicLevelSetting

4.2.22.8. SetElectronicLevelSetting

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Sets ELECTRONIC LEVEL SETTING.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetElectronicLevelSetting	
lAPIParam	(IN)	<model>_API_PARAM_SetElectronicLevelSetting	
lSetting	(IN)		
		<model>_ELECTRONIC_LEVEL_SETTING_OFF	OFF
		<model>_ELECTRONIC_LEVEL_SETTING_2D	2D
		<model>_ELECTRONIC_LEVEL_SETTING_3D	3D

Remarks

This function can be used in State S3.

See Also

GetElectronicLevelSetting

4.2.22.9. GetElectronicLevelSetting

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
				✓				✓	✓	✓	✓								✓	✓	✓	✓

Description

Gets ELECTRONIC LEVEL SETTING.

Syntax

```
APIENTRY XSDK_GetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long* plSetting  
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetElectronicLevelSetting
lAPIParam	(IN)	<model>_API_PARAM_GetElectronicLevelSetting
plSetting	(OUT)	See lSetting of “SetElectronicLevelSetting”.

Remarks

This function can be used in State S3.

See Also

SetElectronicLevelSetting

#### 4.2.22.10. CapUSBPowerSupplyCommunication

##### Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
				✓						✓	✓								✓	✓	✓	✓

##### Description

Queries supported USBPOWER SUPPLY and COMMUNICATION SETTING selections.

##### Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

##### Return Value

XSDK\_COMPLETE : SUCCESS

XSDK\_ERROR : ERROR

##### Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapUSBPowerSupplyCommunication
lAPIParam	(IN)	<model>_API_PARAM_CapUSBPowerSupplyCommunication
plNum	(OUT)	Returns the number of “SetUSBPowerSupplyCommunication” settings supported.
plSetting	(OUT)	See lSetting of “SetUSBPowerSupplyCommunication”.

##### Remarks

This function can be used in State S3.

##### See Also

SetUSBPowerSupplyCommunication

## 4.2.22.11. SetUSBPowerSupplyCommunication

## Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA 5S
				✓						✓	✓									✓	✓	✓	✓

## Description

Sets the USB POWER SUPPLY / COMM SETTING.

## Syntax

```
APIENTRY XSDK_SetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

## Return Value

XSDK\_COMPLETE : SUCCESS

XSDK\_ERROR : ERROR

## Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetUSBPowerSupplyCommunication

lAPIParam (IN) <model>\_API\_PARAM\_SetUSBPowerSupplyCommunication

lSetting (IN)

<model>_USB_POWER_SUPPLY_COMMUNICATION_AUTO	Auto
<model>_USB_POWER_SUPPLY_COMMUNICATION_ON	Power supply ON / Communication OFF
<model>_USB_POWER_SUPPLY_COMMUNICATION_OFF	Power supply OFF / Communication ON

## Remarks

This function can be used in State S3.

<model>\_USB\_POWER\_SUPPLY\_COMMUNICATION\_ON can use by only IP tether.

## See Also

GetUSBPowerSupplyCommunication

## 4.2.22.12. GetUSBPowerSupplyCommunication

## Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA 5S
				✓						✓	✓									✓	✓	✓	✓

## Description

Gets the USB POWER SUPPLY / COMM SETTING.

## Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

## Return Value

XSDK\_COMPLETE : SUCCESS

XSDK\_ERROR : ERROR

## Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_GetUSBPowerSupplyCommunication

lAPIParam (IN) <model>\_API\_PARAM\_GetUSBPowerSupplyCommunication

plSetting (OUT) See lSetting of "SetUSBPowerSupplyCommunication".

## Remarks

This function can be used in State S3.

## See Also

SetUSBPowerSupplyCommunication

## 4.2.22.13. CapAutoPowerOffSetting

## Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
				✓						✓	✓									✓	✓	✓	✓

## Description

Queries supported AUTO POWER OFF settings.

## Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

## Return Value

XSDK\_COMPLETE : SUCCESS

XSDK\_ERROR : ERROR

## Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_CapAutoPowerOffSetting

lAPIParam (IN) <model>\_API\_PARAM\_CapAutoPowerOffSetting

plNum (OUT) Returns the number of “SetAutoPowerOffSetting” settings supported.

plSetting (OUT) See lSetting of “SetAutoPowerOffSetting”.

## Remarks

This function can be used in State S3.

## See Also

SetAutoPowerOffSetting

## 4.2.22.14. SetAutoPowerOffSetting

## Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA 5S
				✓						✓	✓									✓	✓	✓	✓

## Description

Sets the AUTO POWER OFF setting.

## Syntax

```
APIENTRY XSDK_SetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

## Return Value

XSDK\_COMPLETE : SUCCESS

XSDK\_ERROR : ERROR

## Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetAutoPowerOffSetting

lAPIParam (IN) <model>\_API\_PARAM\_SetAutoPowerOffSetting

lSetting (IN)

<model>_AUTOPOWEROFF_OFF	OFF
<model>_AUTOPOWEROFF_15SEC	15sec
<model>_AUTOPOWEROFF_30SEC	30sec
<model>_AUTOPOWEROFF_1MIN	1min
<model>_AUTOPOWEROFF_2MIN	2min
<model>_AUTOPOWEROFF_5MIN	5min

## Remarks

This function can be used in State S3. **See Also**

GetAutoPowerOffSetting

## 4.2.22.15. GetAutoPowerOffSetting

## Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA 55
				✓						✓	✓								✓	✓	✓	✓

## Description

Gets the AUTO POWER OFF setting.

## Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

## Return Value

XSDK\_COMPLETE : SUCCESS

XSDK\_ERROR : ERROR

## Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_GetAutoPowerOffSetting

lAPIParam (IN) <model>\_API\_PARAM\_GetAutoPowerOffSetting

plSetting (OUT) See lSetting of “SetAutoPowerOffSetting”.

## Remarks

This function can be used in State S3.

## See Also

SetAutoPowerOffSetting

4.2.22.16. CapFrameioFunction

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																						✓

Description

Queries supported CONNECT settings of Frame.io Camera to Cloud.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapFrameioFunction
lAPIParam	(IN)	<model>_API_PARAM_CapFrameioFunction
plNum	(OUT)	Returns the number of “SetFrameioFunction” settings supported.
plSetting	(OUT)	See lSetting of “SetFrameioFunction”.

Remarks

This function can be used in State S3.

See Also

SetFrameioFunction, GetFrameioFunction

4.2.22.17. SetFrameioFunction

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																						✓

Description

Sets the CONNECT setting of Frame.io Camera to Cloud.

Syntax

```
APIENTRY XSDK_SetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetFrameioFunction	
lAPIParam	(IN)	<model>_API_PARAM_SetFrameioFunction	
lSetting	(IN)		
		<model>_ON	ON
		<model>_OFF	OFF

Remarks

This function can be used in State S3.

See Also

CapFrameioFunction,GetFrameioFunction

4.2.22.18.      GetFrameioFunction

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																						✓

Description

Gets the CONNECT setting of Frame.io Camera to Cloud.

Syntax

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE  hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetFrameioFunction
lAPIParam	(IN)	<model>_API_PARAM_GetFrameioFunction
plSetting	(OUT)	See lSetting of “SetFrameioFunction”.

Remarks

This function can be used in State S3.

See Also

CapFrameioFunction,SetFrameioFunction

4.2.22.19. GetFrameioPairingCode

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

Description

GETs PARING CODE of Frame.io Camera to Cloud.

Syntax

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    LPSTR pPairingCode
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetFrameioPairingCode
lAPIParam	(IN)	<model>_API_PARAM_GetFrameioPairingCode
pClipSetting	(OUT)	Frame.io connection code

Remarks

This function can be used in State S3.

See Also

None

**4.2.22.20. CapFrameioFileType****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																						✓

**Description**

Queries supported SELECT FILE TYPE settings of Frame.io Camera to Cloud.

**Syntax**

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSeconds_Min,
    long* plSeconds_Max
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Parameters**

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapFrameioFileType
lAPIParam	(IN)	<model>_API_PARAM_CapFrameioFileType
plMin	(OUT)	Returns the minimum supported auto power off time.
plMax	(OUT)	Returns the maximum supported auto power off time.

**Remarks**

This function can be used in State S3.

**See Also**

SetFrameioFileType, GetFrameioFileType

## 4.2.22.21. SetFrameioFileType

## Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																						✓

## Description

Sets the SELECT FILE TYPE setting of Frame.io Camera to Cloud.

## Syntax

```
APIENTRY XSDK_SetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

## Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

## Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetFrameioFileType

lAPIParam (IN) <model>\_API\_PARAM\_SetFrameioFileType

lSetting (IN) To specify functions to enable/disable in bitmap fields.

<model>_FRAMEIO_FILETYPE_MOV_PROXY	MOV/MXF-Proxy
<model>_FRAMEIO_FILETYPE_MOV_PRORES	MOV/MXF-ProRes
<model>_FRAMEIO_FILETYPE_MOV_OTHER	MOV/MXF-Other
<model>_FRAMEIO_FILETYPE_JPEG	JPEG

## Remarks

This function can be used in State S3.

## See Also

CapFrameioFileType, GetFrameioFileType

**4.2.22.22. GetFrameioFileType****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																						✓

**Description**

Gets the SELECT FILE TYPE setting of Frame.io Camera to Cloud.

**Syntax**

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Parameters**

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetFrameioFileType
lAPIParam	(IN)	<model>_API_PARAM_GetFrameioFileType
plSetting	(OUT)	See lSetting of “SetFrameioFileType”.

**Remarks**

This function can be used in State S3.

**See Also**

CapFrameioFileType, SetFrameioFileType

**4.2.22.23. CapFrameioAutoImageTransfer****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																						✓

**Description**

Queries supported AUTO IMAGE TRANSFER ORDER settings of UPLOAD SETTING in the Frame.io Camera to Cloud.

**Syntax**

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Parameters**

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapFrameioAutoImageTransfer
lAPIParam	(IN)	<model>_API_PARAM_CapFrameioAutoImageTransfer
plNum	(OUT)	Returns the number of “SetFrameioAutoImageTransfer” settings supported.
plSetting	(OUT)	See lSetting of “SetFrameioAutoImageTransfer”.

**Remarks**

This function can be used in State S3.

**See Also**

SetFrameioAutoImageTransfer, GetFrameioAutoImageTransfer

4.2.22.24. SetFrameioAutoImageTransfer

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																						✓

Description

Sets the AUTO IMAGE TRANSFER ORDER setting of UPLOAD SETTING in the Frame.io Camera to Cloud.

Syntax

```
APIENTRY XSDK_SetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.					
lAPICode	(IN)	<model>_API_CODE_SetFrameioAutoImageTransfer					
lAPIParam	(IN)	<model>_API_PARAM_SetFrameioAutoImageTransfer					
lSetting	(IN)	<table><tr><td>&lt;model&gt;_ON</td><td>ON</td></tr><tr><td>&lt;model&gt;_OFF</td><td>OFF</td></tr></table>		<model>_ON	ON	<model>_OFF	OFF
<model>_ON	ON						
<model>_OFF	OFF						

Remarks

This function can be used in State S3.

See Also

CapFrameioAutoImageTransfer,GetFrameioAutoImageTransfer

**4.2.22.25. GetFrameioAutoImageTransfer****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																						✓

**Description**

Gets the AUTO IMAGE TRANSFER ORDER setting of UPLOAD SETTING in the Frame.io Camera to Cloud.

**Syntax**

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Parameters**

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetFrameioAutoImageTransfer
lAPIParam	(IN)	<model>_API_PARAM_GetFrameioAutoImageTransfer
plSetting	(OUT)	See lSetting of “SetFrameioAutoImageTransfer”.

**Remarks**

This function can be used in State S3.

**See Also**

CapFrameioAutoImageTransfer, SetFrameioAutoImageTransfer

**4.2.22.26. CapFrameioTransferSuspend****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																						✓

**Description**

Queries supported TRANSFER/SUSPEND settings of UPLOAD SETTING in the Frame.io Camera to Cloud.

**Syntax**

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Parameters**

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapFrameioTransferSuspend
lAPIParam	(IN)	<model>_API_PARAM_CapFrameioTransferSuspend
plNum	(OUT)	Returns the number of “SetFrameioTransferSuspend” settings supported.
plSetting	(OUT)	See lSetting of “SetFrameioTransferSuspend”.

**Remarks**

This function can be used in State S3.

**See Also**

SetFrameioTransferSuspend, GetFrameioTransferSuspend

4.2.22.27. SetFrameioTransferSuspend

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																						✓

Description

Sets the TRANSFER/SUSPEND setting of UPLOAD SETTING in the Frame.io Camera to Cloud.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_SetFrameioTransferSuspend	
lAPIParam	(IN)	<model>_API_PARAM_SetFrameioTransferSuspend	
lSetting	(IN)		
		<model>_FRAMEIO_TRANSFERSUSPEND_TRANSFER	Transfer
		<model>_FRAMEIO_TRANSFERSUSPEND_SUSPEND	Suspend

Remarks

This function can be used in State S3.

See Also

CapFrameioTransferSuspend,GetFrameioTransferSuspend

**4.2.22.28. GetFrameioTransferSuspend****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																						✓

**Description**

Gets the TRANSFER/SUSPEND setting of UPLOAD SETTING in the Frame.io Camera to Cloud.

**Syntax**

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Parameters**

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetFrameioTransferSuspend
lAPIParam	(IN)	<model>_API_PARAM_GetFrameioTransferSuspend
plSetting	(OUT)	See lSetting of “SetFrameioTransferSuspend”.

**Remarks**

This function can be used in State S3.

**See Also**

CapFrameioTransferSuspend, SetFrameioTransferSuspend

**4.2.22.29. CapFrameioImageTransferWhilePowerOff****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																						✓

**Description**

Queries supported IMAGE TRANSFER WHILE POWER OFF settings of UPLOAD SETTING in the Frame.io Camera to Cloud.

**Syntax**

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Parameters**

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapFrameioImageTransferWhilePowerOff
lAPIParam	(IN)	<model>_API_PARAM_CapFrameioImageTransferWhilePowerOff
plNum	(OUT)	Returns the number of “SetFrameioImageTransferWhilePowerOff” settings supported.
plSetting	(OUT)	See lSetting of “SetFrameioImageTransferWhilePowerOff”.

**Remarks**

This function can be used in State S3.

**See Also**

SetFrameioImageTransferWhilePowerOff, GetFrameioImageTransferWhilePowerOff

## 4.2.22.30. SetFrameioImageTransferWhilePowerOff

## Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																						✓

## Description

Sets the IMAGE TRANSFER WHILE POWER OFF setting of UPLOAD SETTING in the Frame.io Camera to Cloud.

## Syntax

```
APIENTRY XSDK_SetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

## Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

## Parameters

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_SetFrameioImageTransferWhilePowerOff

lAPIParam (IN) <model>\_API\_PARAM\_SetFrameioImageTransferWhilePowerOff

lSetting (IN)

<model>_ON	ON
<model>_OFF	OFF

## Remarks

This function can be used in State S3.

## See Also

CapFrameioImageTransferWhilePowerOff, GetFrameioImageTransferWhilePowerOff

**4.2.22.31. GetFrameioImageTransferWhilePowerOff****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																						✓

**Description**

Gets the IMAGE TRANSFER WHILE POWER OFF setting of UPLOAD SETTING in the Frame.io Camera to Cloud.

**Syntax**

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Parameters**

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_GetFrameioImageTransferWhilePowerOff

lAPIParam (IN) <model>\_API\_PARAM\_GetFrameioImageTransferWhilePowerOff

plSetting (OUT) See lSetting of “SetFrameioImageTransferWhilePowerOff”.

**Remarks**

This function can be used in State S3.

**See Also**

CapFrameioImageTransferWhilePowerOff, SetFrameioImageTransferWhilePowerOff

**4.2.22.32. GetFrameioUploadStatus****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

**Description**

Gets the UPLOAD STATUS of Frame.io Camera to Cloud.

**Syntax**

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    SDK_FrameioUploadStatus * pUploadStatus ,
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Parameters**

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetFrameioUploadStatus
lAPIParam	(IN)	<model>_API_PARAM_GetFrameioUploadStatus
pUploadStatus	(OUT)	Frame.io Upload Status. Pointer to a structure (SDK_FrameioUploadStatus) table.

```
typedef struct {
    long lNetwork;
    char strProject[64];
    char strUser[32];
    long lRemainingFile;
    long lRemainingTime;
    long lRemainingData;
    long lTransferSpeed;
    long lCompleteFile;
    long lSkipFile;
    long lFailureFile;
} SDK_FrameioUploadStatus;
```

lNetwork:

NETWORK(0:Not connected / 1:Wi-Fi / 2:Ethernet / 3:Wi-Fi+Ethernet).

strProject:

PROJECT (The number of characters specified by the camera or 64 characters is the MAX.)

strUser:

USER (The number of characters specified by the camera or 32 characters as MAX.)

lRemainingFile

Number of files remaining.

lRemainingTime

Remaining time. (MIN)

lRemainingData

Amount of data remaining. (MB)

lTransferSpeed

Transfer rate. (Mb/s)

lCompleteFile

Number of completed files.

lSkipFile

Number of skipped files.

lFailureFile

Number of failed files.

---

**Remarks**

This function can be used in State S3.

**See Also**

None

**4.2.22.33. GetFrameioTransferQueue****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5				GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																							✓

**Description**

Gets the TRANSFER QUEUE of Frame.io Camera to Cloud.

**Syntax**

```
APIENTRY XSDK_GetProp (
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* lNum
    SDK_FrameioTransferQueue * pTransferQueue,
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Parameters**

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_GetFrameioTransferQueue
lAPIParam	(IN)	<model>_API_PARAM_GetFrameioTransferQueue
lNum	(OUT)	Returns the number of “pTransferQueue” settings supported.
pTransferQueue	(OUT)	Frame.io transfer reservation list. Pointer to a structure (SDK_FrameioTransferQueue) table.

```
typedef struct {
    char strFileName[255];
    long lSlotNumber;
    long lTransferStatus;
    long lTransferredByte;
    long lTotalByte;
} SDK_FrameioTransferQueue;
```

strFileName:

Filename

lSlotNumber:

Slot number  
lTransferStatus;  
Transfer status  
(0:Waiting for transfer/1:Transferring/2:Transferred/3:Skipped/4:Failed)  
lTransferredByte  
Size of transfed data.  
lTotalByte;  
Total size of transfer data.

---

**Remarks**

This function can be used in State S3.

**See Also**

None

**4.2.22.34. CapFrameioResetTransferOrder****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																						✓

**Description**

Queries supported RESET TARNSEFER ORDER settings of Frame.io Camera to Cloud.

**Syntax**

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Parameters**

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_CapFrameioResetTransferOrder
lAPIParam	(IN)	<model>_API_PARAM_CapFrameioResetTransferOrder
plNum	(OUT)	Returns the number of “SetFrameioResetTransferOrder” settings supported.
plSetting	(OUT)	See lSetting of “SetFrameioResetTransferOrder”.

**Remarks**

This function can be used in State S3.

**See Also**

SetFrameioResetTransferOrder

4.2.22.35. SetFrameioResetTransferOrder

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																						✓

Description

Sets the RESET TARNSFER ORDER setting of Frame.io Camera to Cloud.

Syntax

```
APIENTRY XSDK_SetProp(  
    XSDK_HANDLE hCamera,  
    long lAPICode,  
    long lAPIParam,  
    long lSetting  
);
```

Return Value

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_SetFrameioResetTransferOrder
lAPIParam	(IN)	<model>_API_PARAM_SetFrameioResetTransferOrder
lSetting	(IN)	

<model>_FRAMEIO_RESETTRANSFERORDER_RESET	Reset execution
--	-----------------

Remarks

This function can be used in State S3.

See Also

CapFrameioResetTransferOrder

**4.2.22.36. GetFrameioConnectionStatus****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																						✓

**Description**

Gets the status of Frame.io Camera to Cloud.

**Syntax**

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS

XSDK\_ERROR : ERROR

**Parameters**

hCamera (IN) The camera handle.

lAPICode (IN) <model>\_API\_CODE\_GetFrameioConnectionStatus

lAPIParam (IN) <model>\_API\_PARAM\_GetFrameioConnectionStatus

plSetting (OUT)

<model>_FRAMEIO_CONNECTIONSTATUS_NOT_CONNECTED	Not connected
<model>_FRAMEIO_CONNECTIONSTATUS_CONNECTED	Connected
<model>_FRAMEIO_CONNECTIONSTATUS_TRANSFER_SUSPENDED	Transfer suspended
<model>_FRAMEIO_CONNECTIONSTATUS_CONNECTION_SUSPENDED	Device connect suspended

**Remarks**

This function can be used in State S3.

**See Also**

None

4.2.22.1. CapPlayBackFileFormat

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNA S5
																						✓

Description

Queries supported MOVIE / STILL settings for PLAYback mode.

Syntax

```
APIENTRY XSDK_CapProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plNum,
    long* plSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_Cap PlayBackFileFormat
lAPIParam	(IN)	<model>_API_PARAM_Cap PlayBackFileFormat
plNum	(OUT)	Returns the number of “Set PlayBackFileFormat” settings supported.
plSetting	(OUT)	See lSetting of “Set PlayBackFileFormat”.

Remarks

This function can be used in State S3.

See Also

Set PlayBackFileFormat,Get PlayBackFileFormat

4.2.22.2. SetPlayBackFileFormat

Supported Cameras

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																						✓

Description

Sets the MOVIE / STILL setting for PLAYback mode.

Syntax

```
APIENTRY XSDK_SetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long lSetting
);
```

Return Value

- XSDK\_COMPLETE : SUCCESS
- XSDK\_ERROR : ERROR

Parameters

hCamera	(IN)	The camera handle.	
lAPICode	(IN)	<model>_API_CODE_Set PlayBackFileFormat	
lAPIParam	(IN)	<model>_API_PARAM_Set PlayBackFileFormat	
lSetting	(IN)		
		<model>_PLAYBACK_FILEFORMAT_MOVIE	MOVIE
		<model>_PLAYBACK_FILEFORMAT_STILL	STILL

Remarks

This function can be used in State S3.

See Also

Cap PlayBackFileFormat,Get PlayBackFileFormat

**4.2.22.3. GetPlayBackFileFormat****Supported Cameras**

		X-T3	X-T4	X-T5		X-Pro3	X-S10	X-H2S	X-H2	X-S20	X-M5			GFX 50S	GFX 50R	GFX100	GFX100S	GFX50S II	GFX100 II	GFX100S II	GFX100RF	GFX ETERNASS
																						✓

**Description**

Gets the MOVIE / STILL setting for PLAYback mode.

**Syntax**

```
APIENTRY XSDK_GetProp(
    XSDK_HANDLE hCamera,
    long lAPICode,
    long lAPIParam,
    long* plSetting
);
```

**Return Value**

XSDK\_COMPLETE : SUCCESS  
XSDK\_ERROR : ERROR

**Parameters**

hCamera	(IN)	The camera handle.
lAPICode	(IN)	<model>_API_CODE_Get PlayBackFileFormat
lAPIParam	(IN)	<model>_API_PARAM_Get PlayBackFileFormat
plSetting	(OUT)	See lSetting of “Set PlayBackFileFormat”.

**Remarks**

This function can be used in State S3.

**See Also**

Cap PlayBackFileFormat, Set PlayBackFileFormat

## 5. Error Codes

XSDK_ERRCODE_NOERR	OK	No error
XSDK_ERRCODE_SEQUENCE	FATAL	Function call sequence error
XSDK_ERRCODE_PARAM	FATAL	Function parameter error
XSDK_ERRCODE_INVALID_CAMERA	INFO	Invalid camera.
XSDK_ERRCODE_LOADLIB	FATAL	Lower-layer libraries cannot be loaded
XSDK_ERRCODE_UNSUPPORTED	FATAL	Unsupported function call
XSDK_ERRCODE_BUSY	INFO	Camera is busy
XSDK_ERRCODE_FORCEMODE_BUSY	INFO	Camera is in busy. XSDK_SetForceMode can be used to recover.
XSDK_ERRCODE_AF_TIMEOUT	INFO	Unable to focus using autofocus.
XSDK_ERRCODE_SHOOT_ERROR	FATAL	Error occurred during shooting.
XSDK_ERRCODE_FRAME_FULL	INFO	Frame buffer full; release canceled.
XSDK_ERRCODE_STANDBY	INFO	System standby.
XSDK_ERRCODE_NODRIVER	FATAL	No camera found.
XSDK_ERRCODE_NO_MODEL_MODULE	FATAL	No library; model-dependent function cannot be called.
XSDK_ERRCODE_API_NOTFOUND	FATAL	Unknown model-dependent function call.
XSDK_ERRCODE_API_MISMATCH	FATAL	Parameter mismatch for model-dependent function call.
XSDK_ERRCODE_COMMUNICATION	FATAL	Communication error.
XSDK_ERRCODE_TIMEOUT	FATAL	Operation timeout for unknown reasons.
XSDK_ERRCODE_COMBINATION	FATAL	Function call combination error.
XSDK_ERRCODE_WRITEERROR	INFO	Memory card write error. Memory card must be replaced.
XSDK_ERRCODE_CARDFULL	INFO	Memory card full. Memory card must be replaced or formatted.
XSDK_ERRCODE_HARDWARE	FATAL	Camera hardware error.
XSDK_ERRCODE_INTERNAL	FATAL	Unexpected internal error.
XSDK_ERRCODE_MEMFULL	FATAL	Unexpected memory error.
XSDK_ERRCODE_UNKNOWN	FATAL	Other unexpected error.
XSDK_ERRCODE_RUNNING_OTHER_FUNCTION	INFO	Camera is busy.  The busy status may be recovered by canceling the other functions. Call XSDK_GetErrorDetails to get details for the other function.

FATAL: System cannot be used.

INFO: Information only. System can be used.

OK: System can be used.

## 6. Sample Source Code

### 6.1. HotFolder

#### 6.1.1. Overview

The HotFolder source project helps you understand:

- how to detect cameras when they are connected or turned on,
- how to detect cameras when they disconnected or turned off, and
- how to download pictures after they are taken.

#### 6.1.2. Compatible OS, Development Environment, Langage, Libraries

Windows10, Windows8.1, and Windows7.

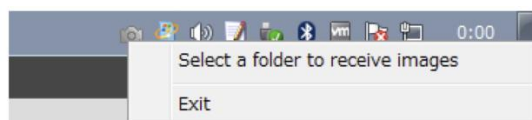
OS	Windows	macOS	Linux	Android
Development Environment	Microsoft Visual Studio 2013	Xcode 12	-	Android Studio
Language	C++	Swift	C++	Kotlin C++(JNI)
Libraries	MFC	-	-	SDK34 CMake

#### 6.1.3. Operations (for Windows)

Once launched, the software appears in the Windows task tray. The state of the connection to the camera is shown by an icon that blinks green and white.



To choose a destination for pictures downloaded from the camera, click the icon in the task tray and choose **Select a folder to receive images**.

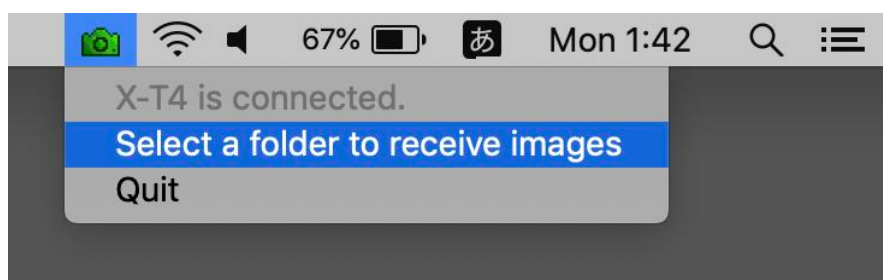


#### 6.1.4. Operations (for macOS)

Once launched, the software appears in the Menu-bar. The state of the connection to the camera is shown by an icon that blinks green and white.



To choose a destination for pictures downloaded from the camera, click the icon in the Menu-bar and choose **Select a folder to receive images**.



## **6.2. ReleaseButton (for Windows)**

### **6.2.1. Overview**

The ReleaseButton source project helps you understand:

- how to initiate the shutter-release from the computer, and
- how to detect the completion of the shutter-release.

This source project is written in Microsoft Visual Studio 2013 for easy conversion to newer versions of Visual Studio.

### **6.2.2. Compatible OS**

Windows10, Windows8.1, and Windows7.

### 6.3. ZoomPos

#### 6.3.1. Overview

The ZoomPos source project helps you understand:

- how to receive the zoom position, and
- how to convert the zoom position to the focal length.

This source project is written in Microsoft Visual Studio 2013 for easy conversion to newer versions of Visual Studio.

#### 6.3.2. Compatible OS, Development Environment, Langage, Libraries

OS	Windows	macOS	Linux	Android
Development Environment	Microsoft Visual Studio 2022 C#	Visual Studio Code	Visual Studio Code	Kotlin C++(JNI)
Language	C#	C#	C#	Kotlin C++(JNI)
Libraries	-	.NET MAUI	.Net 9.0	SDK34 CMake

## 6.4. Multiple

### 6.4.1. Overview

The Multiple source project helps you understand:

- how to use multiple cameras simultaneously
- how to search camera connections, to control an additional camera, and to delete disappeared cameras.

### 6.4.2. Compatible OS, Development Environment, Langage, Libraries

OS	Windows	macOS	Linux
Development Environment	Microsoft Visual Studio 2022 C#	Xcode 15	-
Language	C#	Swift Objective-C	C++
Libraries	-	-	-

## 6.5. Liveview

### 6.5.1. Overview

The Multiple source project helps you understand:

- how to start/stop live view.
- how to control a camera while live view is in use.

### 6.5.2. Compatible OS, Development Environment, Langage, Libraries

OS	Windows	macOS	Linux	Android
Development Environment	-	-	-	Android Studio
Langage	Python3.11	Python3.11	Python3.11	Kotlin C++(JNI)
Libraries	Tkinter Pillow	Tkinter Pillow	Tkinter Pillow	SDK34 CMake

## 7. Appendix

### 7.1. XFileName

#### 7.1.1. Overview

X and GFX Series cameras record the sequential file number (unique id) in the MakerNote information for transferred images. The pictures in each pair of photos shot in RAW+JPEG mode have the same sequential file number (unique id) in the MakerNote information, aiding in the identification of RAW+JPEG pairs.

If XSDK\_SetMediaRecord is enabled (thus ensuring that pictures uploaded in PC SHOOT mode are also saved to the camera memory card), X and GFX Series cameras will also record the file name to the memory card in the MakerNote information field.

The sample code can be used to parse the information (identifying RAW+JPEG pairs and identifying the file name for the memory card) from the transferred images. You can find this code in the SAMPLE folder in the XFileName sub-folder.

#### Important Notices:

- This source code is written for little-endian systems only.
- This source code is not error-free.
- This source code is provided on an AS IS BASIS, with NO WARRANTY, with NO LIABILITY.