FUJIFILM

DIGITAL FILMMAKING CAMERA

GFX ETERNA 55

WHITE PAPER Ver.1.00

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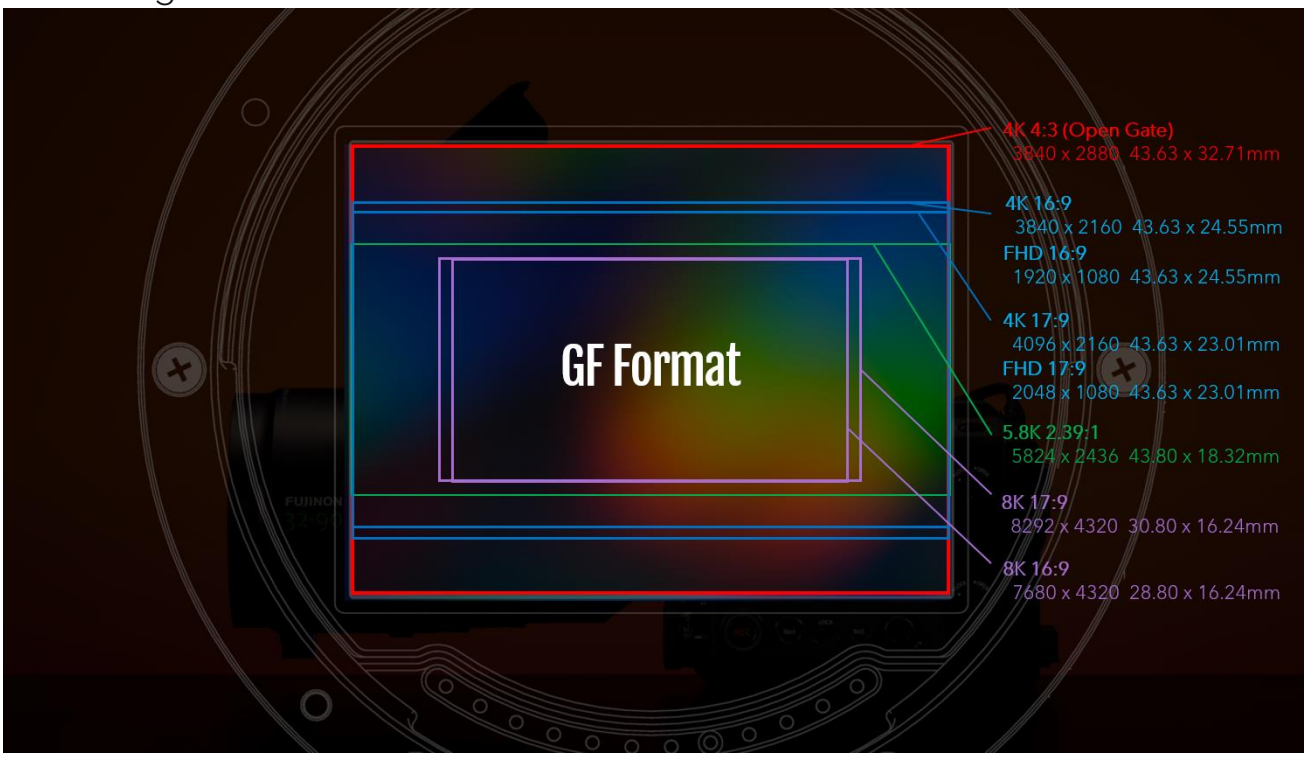
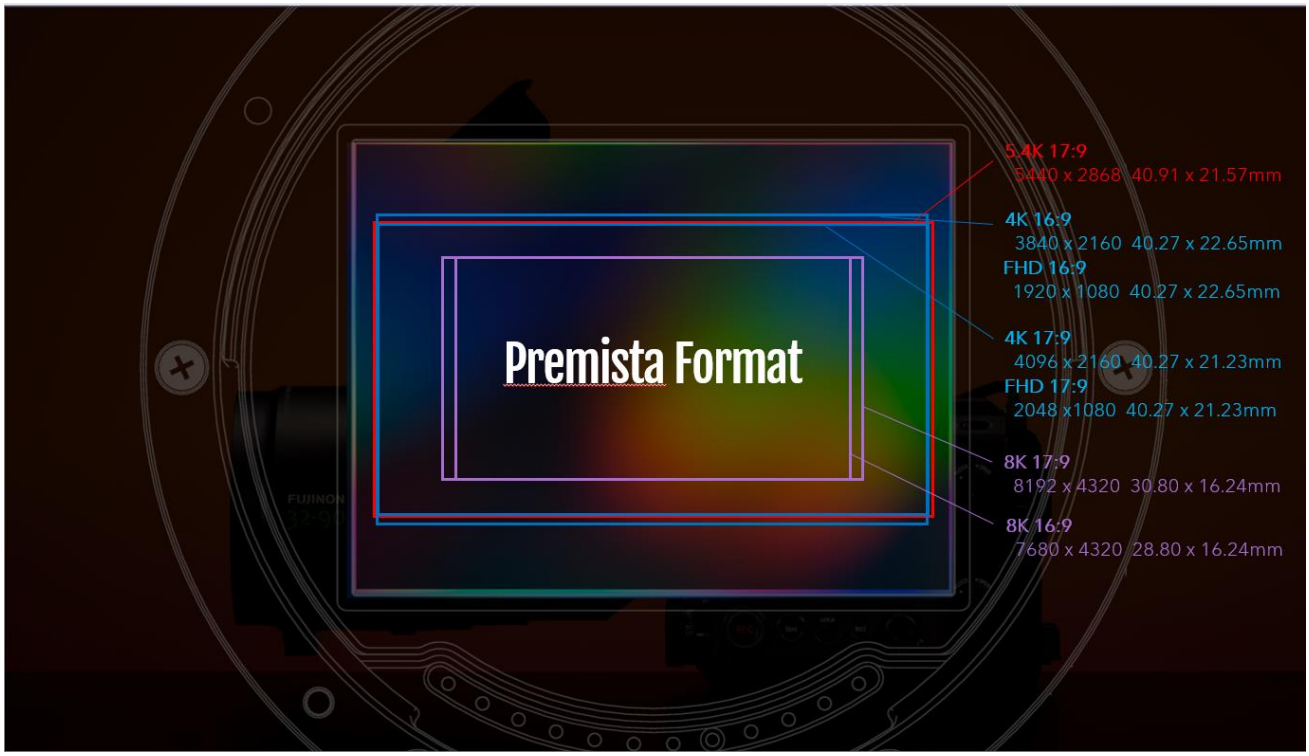
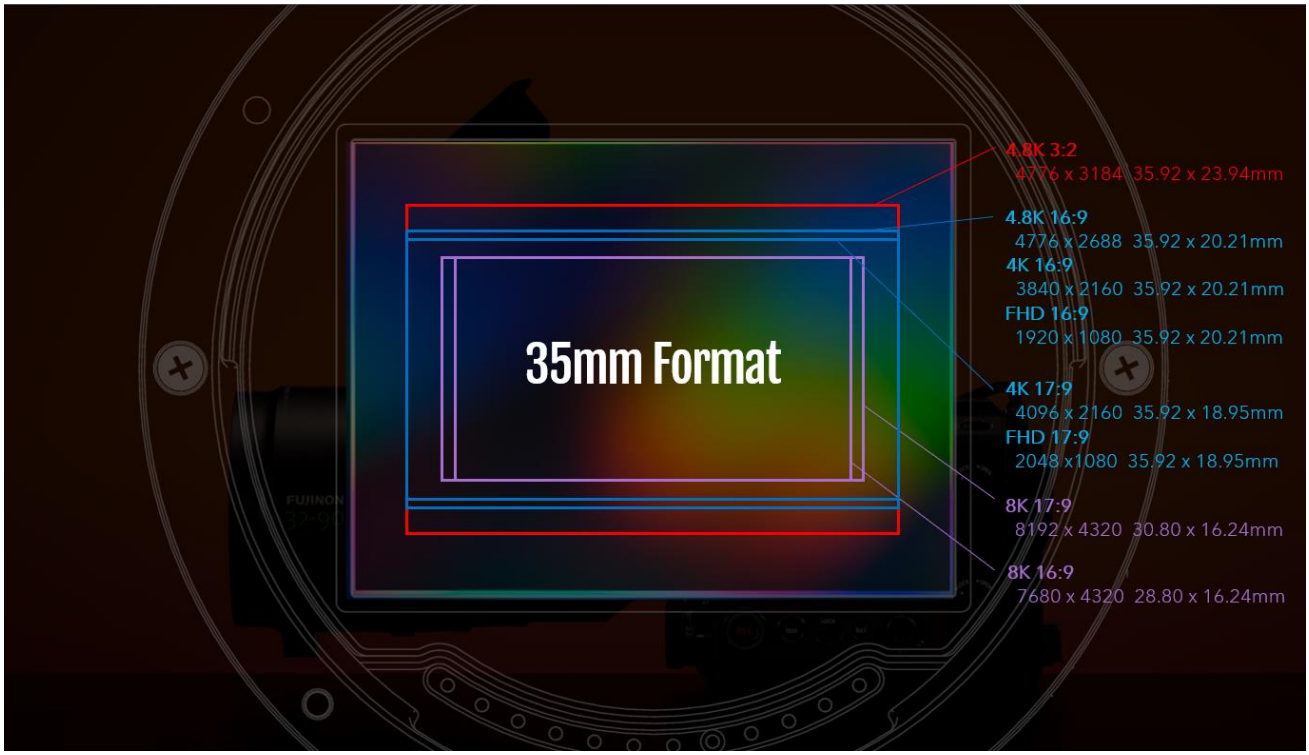
Recording Formats and Resolutions Table

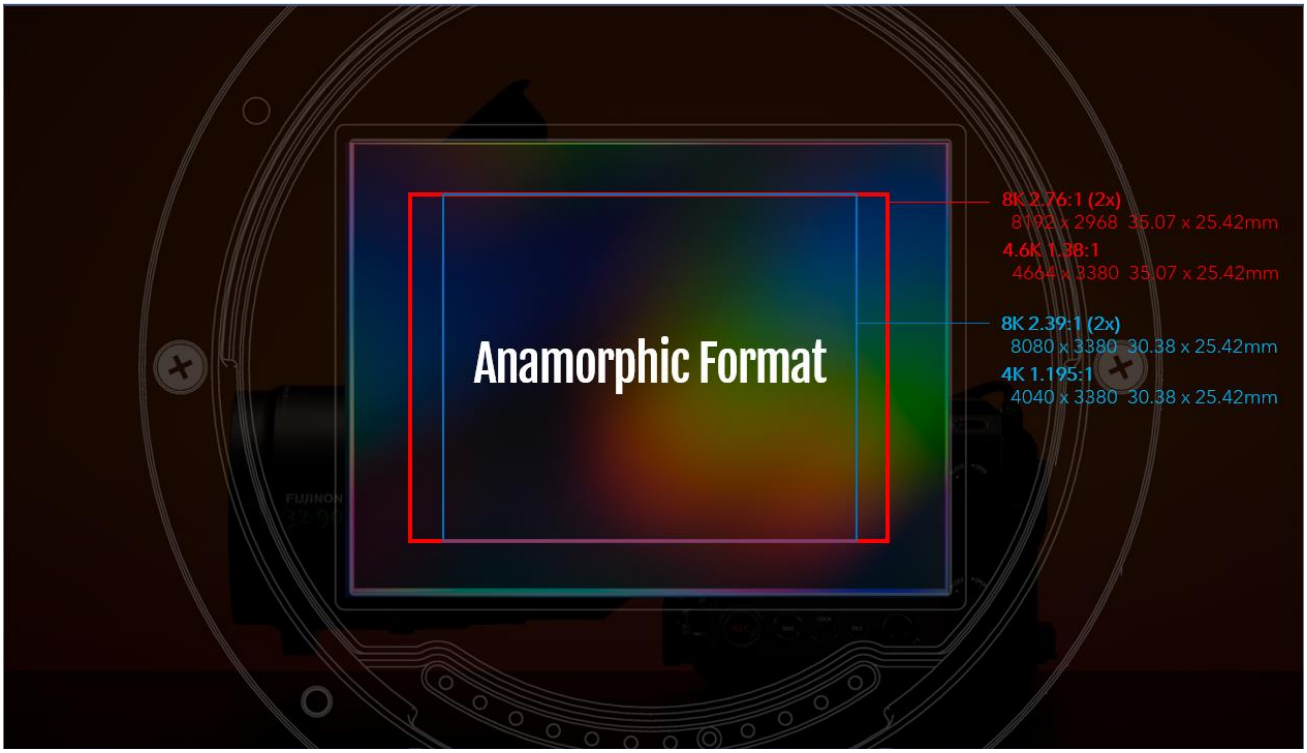
GFX ETERNA 55 supports 4:3 Open Gate recording, fully utilizing the expansive imaging area of its large format sensor.
In addition to FUJINON GF and Premista lenses, it also supports 8K/4K DCI recording with standard 35mm compatible PL lenses. Moreover, it is compatible with anamorphic lenses and Super 35 format lenses, allowing filmmakers to freely select the desired field of view according to their creative vision.
Combining the rich visual expression unique to a large sensor with broad compatibility across lens types and formats, this camera becomes a powerful creative tool – expanding the freedom of filmmaking to new heights.

Recording Format Overview Sheet

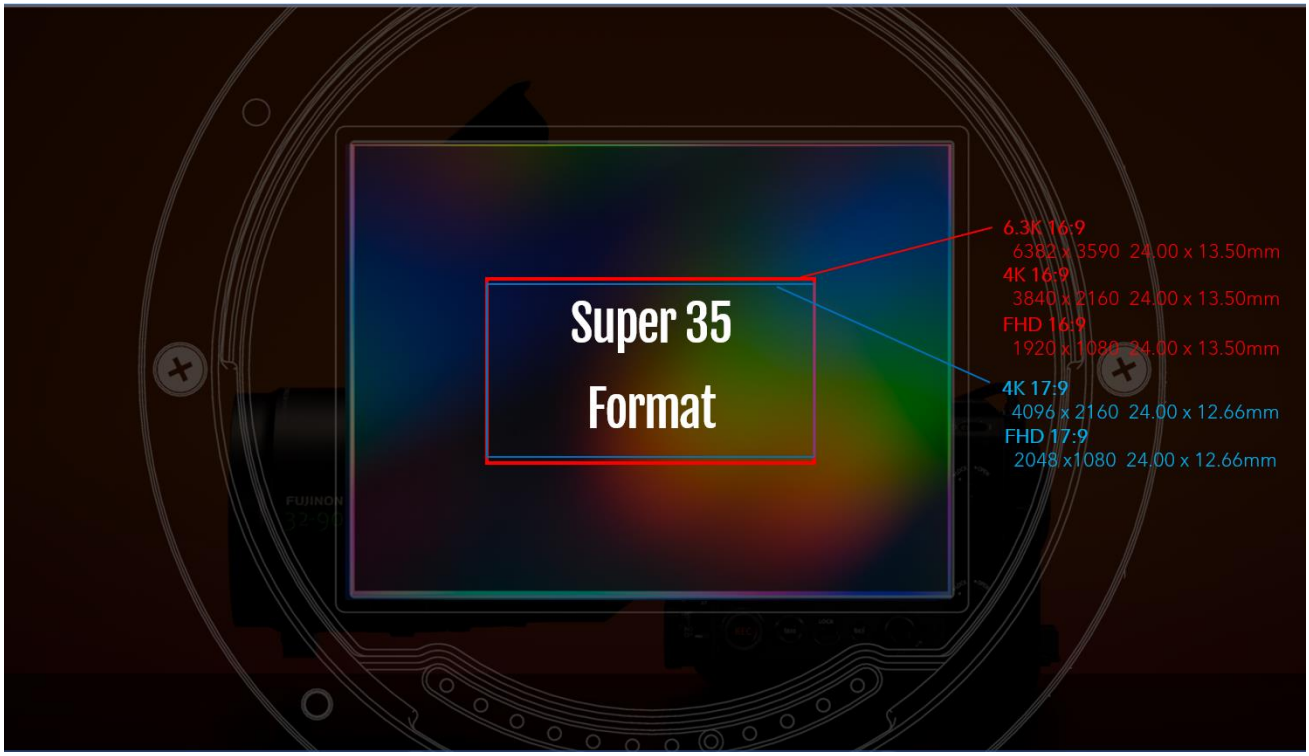



Premista Format
5.4K 17:9
5440 x 2868 40.91 x 21.57mm
4K 16:9
3840 x 2160 40.27 x 22.65mm
FHD 16:9
1920 x 1080 40.27 x 22.65mm
4K 17:9
4096 x 2160 40.27 x 21.23mm
FHD 17:9
2048 x1080 40.27 x 21.23mm
8K 17:9
8192 x 4320 30.80 x 16.24mm
8K 16:9
7680 x 4320 28.80 x 16.24mm


35mm Format
4.8K 3:2
4776 x 3184 35.92 x 23.94mm
4.8K 16:9
4776 x 2688 35.92 x 20.21mm
4K 16:9
3840 x 2160 35.92 x 20.21mm
FHD 16:9
1920 x 1080 35.92 x 20.21mm
4K 17:9
4096 x 2160 35.92 x 18.95mm
FHD 17:9
2048 x1080 35.92 x 18.95mm
8K 17:9
8192 x 4320 30.80 x 16.24mm
8K 16:9
7680 x 4320 28.80 x 16.24mm



*In addition to the above, recording is possible using the sensor image area specified for the 35mm format.



Recording Formats and Resolutions Table

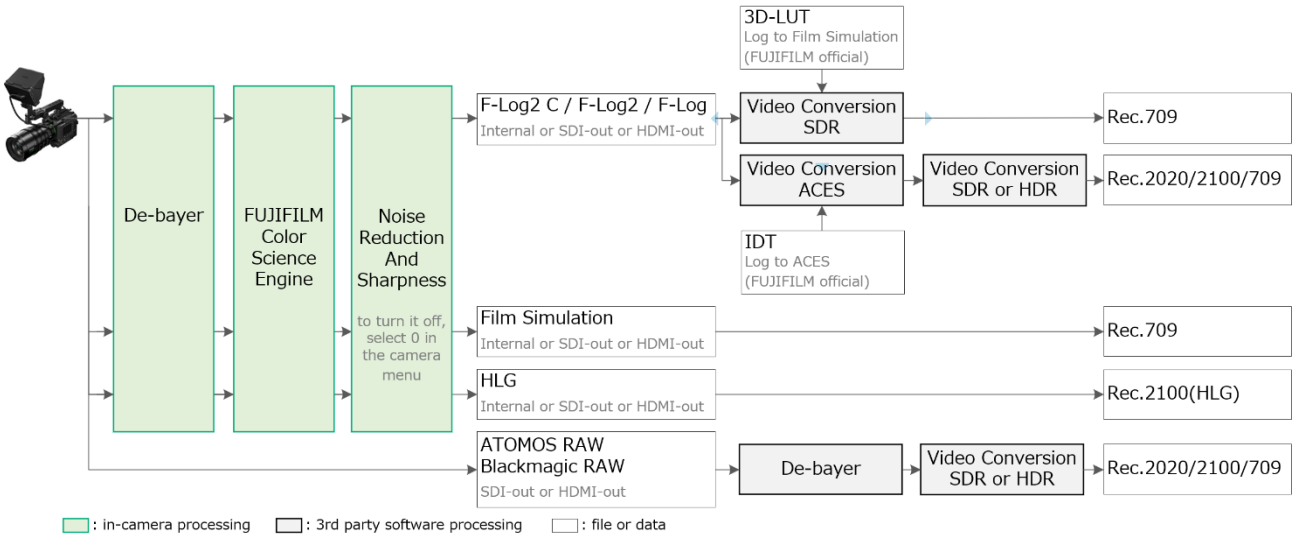
Format	Recording Resolution	Recording File container size	Sensor image area H x V [mm]	Sensor image area diagonal [mm]	Max FPS
GF	8K 16:9	7680 x 4320	28.88 x 16.24	33.13	29.97
	8K 17:9	8192 x 4320	30.80 x 16.24	34.82	24
	5.8K 2.39:1	5824 x 2436	43.80 x 18.32	47.47	29.97
	4K 4:3 (Open Gate)	3840 x 2880	43.63 x 32.71	54.53	48
	4K 16:9	3840 x 2160	43.63 x 24.55	50.06	59.94
	4K 17:9	4096 x 2160	43.63 x 23.01	49.33	59.94
	FHD 16:9	1920 x 1080	43.63 x 24.55	50.06	120
	FHD 17:9	2048 x 1080	43.63 x 23.01	49.33	120
Premista	8K 16:9	7680 x 4320	28.88 x 16.24	33.13	29.97
	8K 17:9	8192 x 4320	30.80 x 16.24	34.82	24
	5.4K 17:9	5440 x 2868	40.91 x 21.57	46.25	29.97
	4K 16:9	3840 x 2160	40.27 x 22.65	46.20	59.94
	4K 17:9	4096 x 2160	40.27 x 21.23	45.52	59.94
	FHD 16:9	1920 x 1080	40.27 x 22.65	46.20	120
	FHD 17:9	2048 x 1080	40.27 x 21.25	45.53	120
35mm	8K 16:9	7680 x 4320	28.88 x 16.24	33.13	29.97
	8K 17:9	8192 x 4320	30.80 x 16.24	34.82	24
	4.8K 3:2	4776 x 3184	35.92 x 23.94	43.17	24
	4.8K 16:9	4776 x 2688	35.92 x 20.21	41.21	29.97
	4K 16:9	3840 x 2160	35.92 x 20.21	41.21	29.97
	4K 17:9	4096 x 2160	35.92 x 18.95	40.61	29.97
	FHD 16:9	1920 x 1080	35.92 x 20.20	41.21	59.94
	FHD 17:9	2048 x 1080	35.92 x 18.95	40.61	59.94
Anamorphic (35mm)	8K 2.76:1 (Anamorphic 2x)	8192 x 2968	35.07 x 25.42	43.32	24
	8K 2.39:1 (Anamorphic 2x)	8080 x 3380	30.38 x 25.42	39.61	24
	4.6K 1.38:1 (Anamorphic)	4664 x 3380	35.07 x 25.42	43.32	24
	4K 1.195:1 (Anamorphic)	4040 x 3380	30.38 x 25.42	39.61	24
	8K 16:9	7680 x 4320	28.88 x 16.24	33.13	29.97
	8K 17:9	8192 x 4320	30.80 x 16.24	34.82	29.97
	4.8K 3:2	4776 x 3184	35.92 x 23.94	43.17	24
	4.8K 16:9	4776 x 2688	35.92 x 20.21	41.21	29.97
	4K 16:9	3840 x 2160	35.92 x 20.21	41.21	29.97
	4K 17:9	4096 x 2160	35.92 x 18.95	40.61	29.97
	FHD 16:9	1920 x 1080	35.92 x 20.20	41.21	59.94
	FHD 17:9	2048 x 1080	35.92 x 18.95	40.61	59.94
Super35	6.3K 16:9	6382 x 3590	24.00 x 13.50	27.54	29.97
	4K 16:9	3840 x 2160	24.00 x 13.50	27.54	29.97
	4K 17:9	4096 x 2160	24.00 x 12.66	27.14	29.97
	FHD 16:9	1920 x 1080	24.00 x 13.49	27.54	59.94
	FHD 17:9	2048 x 1080	24.00 x 12.63	27.13	59.94

Available recording codecs are ProRes 422 HQ, ProRes 422, ProRes 422 LT, H.265, and the above options can be selected regardless of the chosen codec.

Camera setting for RAW output (ATOMOS RAW, Blackmagic RAW)

Recording Resolution	FPS	RAW output via;		Internal recording while RAW output
		SDI	HDMI	
4K 4:3 (Open Gate)	48, 47.95	NO	YES	NO
	up to 29.97	YES	YES	NO
4K 16:9	Any	YES	YES	Film Simulation, F-Log, F-Log2/2C, HLG
8K 17:9	Any	NO	YES	NO
8K 16:9	Any	NO	YES	NO

Color Pipeline - FUJIFILM DIGITAL FILM COLOR SCIENCE -

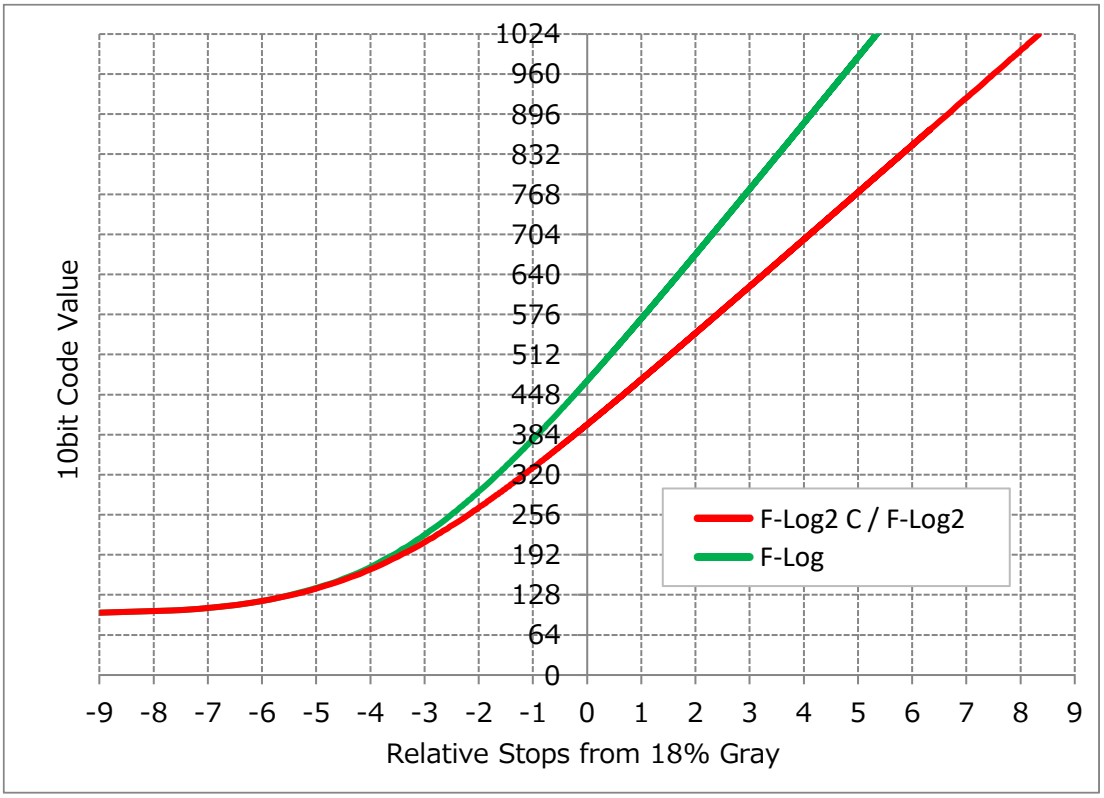


For download 3D-LUT (Log to Film Simulation), please visit; LUT for F-Log
For download IDT (Log to ACES), please visit; Technical Data

F-Log2 C / F-Log2 / F-Log

The tonal range of Log is a digital interpretation of the density characteristics of negative film and is generally highly compatible with the various post-production techniques developed in the world of film-based cinema.
The GFX ETERNA 55 offers three types of Log profiles, and the following provides details on the characteristic curves and color gamut of each Log profile.

Log Curve Characteristics



Code Value

Input reflection	F-Log2 C / F-Log2		F-Log	
	IRE	10bit Code Value	IRE	10bit Code Value
0	3.5	95	3.5	95
18	38	400	46	470
90	58	570	73	705

F-Log2C / F-Log2 Conversion Formula

a = 5.555556, b = 0.064829, c = 0.245281, d = 0.384316
e = 8.799461, f = 0.092864
cut1 = 0.000889
cut2 = 0.100686685370811

Scene Linear Reflection to F-Log2 C

out = c * Log10(a * in + b) + d (in ≧ cut1)
out = e * in + f (in < cut1)
in = reflection
0.0 <= out <= 1.0

F-Log2 C to Scene Linear Reflection

out = (10^((in - d) / c)) / a - b / a (in ≧ cut2)
out = (in - f) / e (in < cut2)
0.0 <= in <= 1.0
out = reflection

F-Log Conversion Formula

a = 0.555556, b = 0.009468, c = 0.344676, d = 0.790453
e = 8.735631, f = 0.092864
cut1 = 0.00089
cut2 = 0.100537775223865

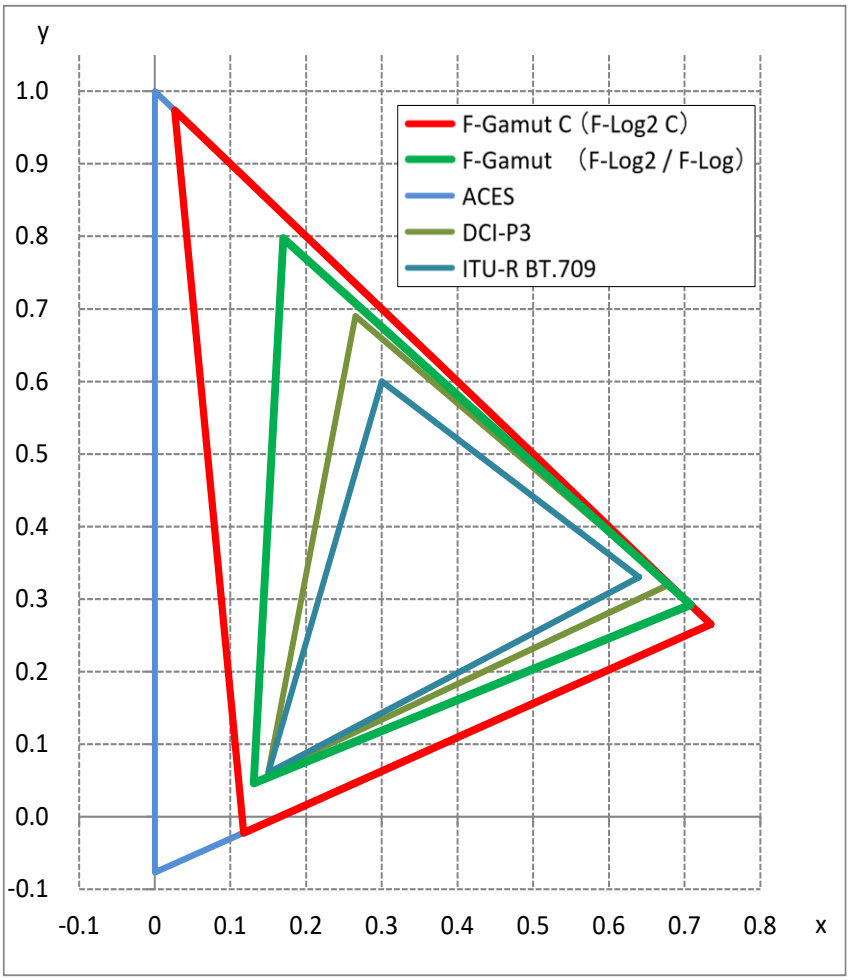
Scene Linear Reflection to F-Log

out = c * Log10(a * in + b) + d (in ≧ cut1)
out = e * in + f (in < cut1)
in = reflection
0.0 <= out <= 1.0

F-Log to Scene Linear Reflection

out = (10^((in - d) / c)) / a - b / a (in ≧ cut2)
out = (in - f) / e (in < cut2)
0.0 <= in <= 1.0
out = reflection

Color Gamut



		x	y
F-Gamut C (F-Log2 C)	R	0.73470	0.26530
	G	0.02630	0.97370
	B	0.11730	-0.02240
	White	0.31270	0.32900
F-Gamut (F-Log2 / F-Log)	R	0.70800	0.29200
	G	0.17000	0.79700
	B	0.13100	0.04600
	White	0.31270	0.32900
ACES	R	0.73470	0.26530
	G	0.00000	1.00000
	B	0.00000	-0.07700
	White	0.32168	0.33767
DCI-P3	R	0.68000	0.32000
	G	0.26500	0.69000
	B	0.15000	0.06000
	White	0.31400	0.35100
ITU-R BT.709	R	0.64000	0.33000
	G	0.30000	0.60000
	B	0.15000	0.06000
	White	0.31270	0.32900

Film simulation LUT


©Shohei Sawada

Footage shot in F-Log2C or F-Log2 can be converted into 10 types of Film Simulations by applying Fujifilm's provided 3D-LUT.
The combination of complex factors, such as contrast and color tones, that defines the atmosphere of an image is referred to as a "look," and Film Simulations represent variations of these looks.
Inheriting the expertise in image quality design for analog films, which has been cultivated since Fujifilm's founding in 1934, the Film Simulation feature was introduced in 2004.
This history and accumulation of experience are a testament to its high quality.
Rather than merely replicating the look of film, Film Simulation carries forward the vision that film aspired to achieve in the future, using digital technology. Over time, it has been repeatedly fine-tuned, bringing moments of surprise and discovery akin to shooting on film, inspiring creativity in the filmmaker, and expanding the possibilities of imagery.

Below is a brief introduction to each Film Simulation.
For more details, please visit: Film Simulation
For download 3D LUTs, please visit: LUT for F-Log
The recommended monitor settings when using 3D-LUT are as follows:
-Color Space: Rec.709
-Color Temperature: D65
-Gamma: 2.2

F-Log2C original image

ETERNA

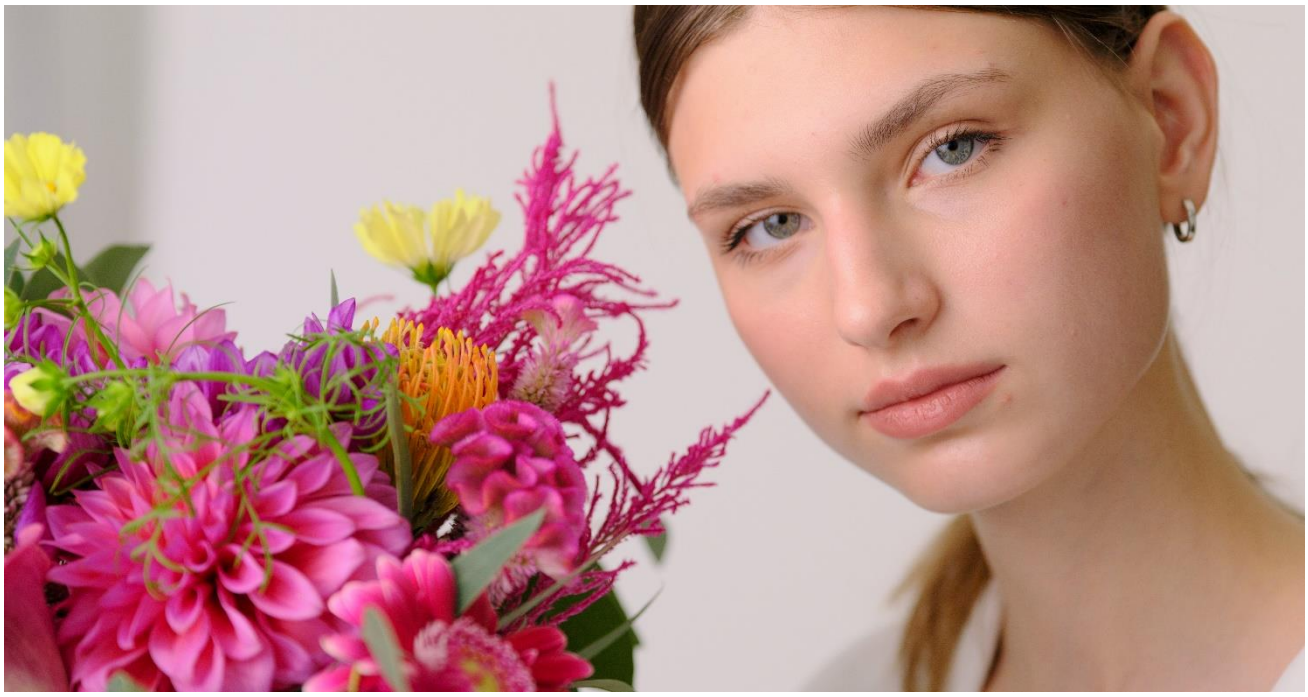
Soft color and rich shadow tone, suitable for film look movie.

PROVIA

It is standard for FUJIFILM still images with a memory color appearance

Velvia

Vibrant reproduction, ideal for landscape and nature.

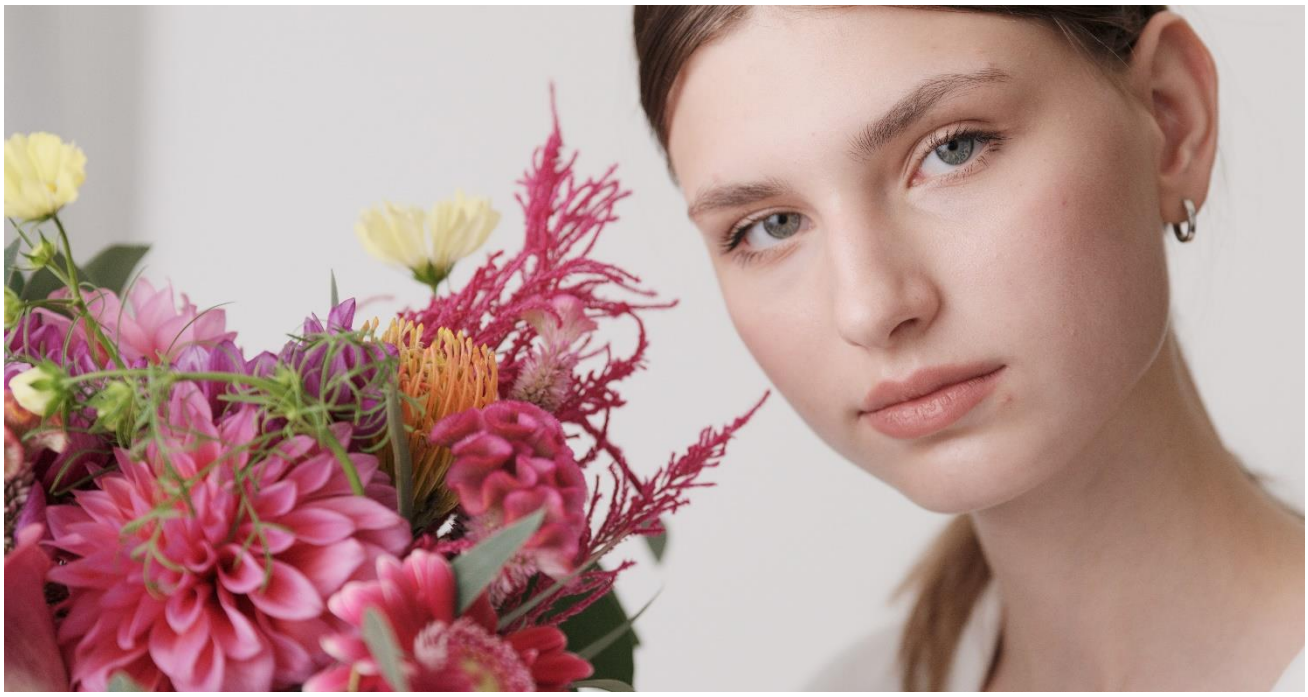


ASTIA

Softer color and highlight contrast for a more subdued look.

CLASSIC CHROME

Soft color and enhanced contrast for a calm look.



REALA ACE

Faithful color reproduction with hard tonality suitable for various scenes.

PRO Neg. Std

Ideal for portrait with soft gradations and skin tones.

CLASSIC Neg.

Green-tinted shadows and magenta-tinted highlights for a Lo-fi look.

ETERNA BLEACH BYPASS

Unique color with low saturation and high contrast, suitable for movie.

ACROS

Shoot in black and white in rich details with sharpness.

LUTs Ingest

This camera can be ingested user 3D LUTs (up to 16LUTs) by following the steps below, and apply them to video output and recording.

1. Place the file directly in the root directory of an SD card or a CFexpress card.

   Note;

   -File format: 17-point, 33-point or 65-point CUBE file (.cube)

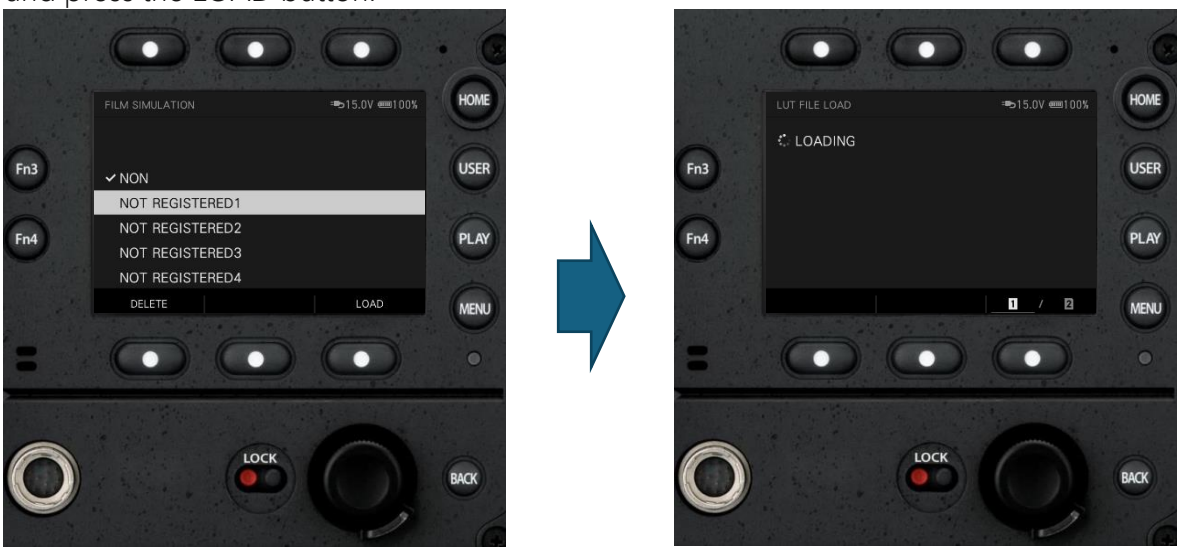
   -File name length: Must be 48 characters or less, including ".cube"

   -The maximum number of readable files from media: within 70 files

2. Insert the memory card containing the saved LUT into the camera.
3. Press the MENU button.
4. Select the LUT Setting under the PROJECT page by rotate and press the MENU dial.

5. Select the FILM SIMULATION by rotate and press the MENU dial.

6. Select the number you prefer to load by rotate and press the button of the MENU dial, then and press the LOAD button.



7. The USER LUT files stored on the memory card will be displayed.
Turn the MENU dial to select a file, and press it to confirm your selection.

8. Once the ingest is complete, the following screen will appear.

File Name

Folder Name Creation Rules_Naming Conventions

Example.1

A_0001_3W200125

e.g.	A	0001	3W200125
Type	Camera Index	Reel Number	Camera Serial Number
Note	Set via menu（2Charactors）	Set via menu（0001～9999）	Camera Serial Number

File Name Creation Rules_Naming Conventions

Example.2

[Not a proxy video]

A_0001C0005_240208_113020_3W200125.MXF

[Proxy video]

A_0001C0005_240208_113020_3W200125_p.MXF

e.g.	A_	0001	C0005	240208
Type	Camera Index	Reel Number	Clip Number	Date (YYMMDD)
Note	Set via menu（2Charactors）	Set via menu（0001～9999）	Sequential numbers from 0001-9999	Start date of recording

113020	3W200125	p
Time (HHMMSS)	Camera serial number	Proxy Video
Start time of recording	Camera serial number	Proxy video: "p" / Non-proxy video: No value

[Still Image]

A_0001C0005_240208_113020_3W200125.JPG

e.g.	A_	0001	C0005	240208
Type	Camera Index	Reel Number	Clip Number	Date (YYMMDD)
Note	Set via menu（2Charactors）	Set via menu（0001～9999）	Sequential numbers from 0001-9999	Start date of recording

113020	3W200125
Time(HHMMSS)	Camera Serial Number
Start time of recording	Camera Serial Number

[Folder]

Recorded video storage folder	Clip
Proxy video storage folder	Proxy
Still image storage folder	Grab

[Camera Index]

First character	Second character
Any letter from [A to Z]	[_] (fixed)

Metadata

Class14 UL Key Definition for Metadata

Name	Universal Label	Type	Local Tag	Description
FUJIFILM F-Gamut	060e2b34.0401010d.0e240101.03000000	Label	-	Color Primaries for FLog, FLog2
FUJIFILM F-GamutC	060e2b34.0401010d.0e240101.03010000	Label	-	Color Primaries for FLog2C
FUJIFILM Transfer Characteristic F-Log	060e2b34.0401010d.0e240101.01000000	Label	-	Transfer Characteristics for FLog
FUJIFILM Transfer Characteristic F-Log2	060e2b34.0401010d.0e240101.01010000	Label	-	Transfer Characteristics for FLog2, FLog2C
FUJIFILM Descriptive Metadata	060e2b34.027f0101.0e240102.01000000	Group	-	-
FUJIFILM Exif Equivalent Data Local Set	060e2b34.02040101.0e240102.01010000	Group	Dyn.	Local set for Exif equivalent data

Metadata recorded at start and end of recording MXF, per file (complaint with SMPTE ST377)

Name	Universal Label	Local Tag	Contents		
			Example	Type	Note
Duration	060e2b34.01010102.07020201.01030000	0x0202	3:00:00	Int	Record the number of recorded frames
StartPosition	060e2b34.01010102.07020103.01040000	0x1201	3:00:00	Int	Starting frame number
StartTimecode	060e2b34.01010102.07020103.01050000	0x1501	3:00:00	Position	Starting timecode
RoundedTimeCodeBase	060e2b34.01010102.04040101.02060000	0x1502	59.94p	Int	The number of frames per second when replaying the video
Drop Frame	060e2b34.01040101.01040100.00000000	0x1503	True/False	Bool	Drop frame flag (True/False)
SampleRate	060e2b34.01010101.04060101.00000000	0x3001	59.94p	Rational	Picture Sampling Rate
Codec	060e2b34.01010102.04010601.00000000	0x3201	H.265/HEVC Main 4:2:2 10 Profile Unconstrained Coding	UL	Picture Codec
Stored Height	060e2b34.01010101.04010502.01000000	0x3202	8192px	Int	Vertical Field Size of stored picture
Stored Width	060e2b34.01010101.04010502.02000000	0x3203	4320px	Int	Horizontal Size of stored picture
SampledHeight	060e2b34.01010101.04010501.07000000	0x3204	8192px	Int	Sampled height supplied to codec
SampledWidth	060e2b34.01010101.04010501.08000000	0x3205	4320px	Int	Sampled width supplied to codec
SampledXOffset	060e2b34.01010101.04010501.09000000	0x3206	0	Int	Offset from stored to sampled width
SampledYOffset	060e2b34.01010101.04010501.0a000000	0x3207	0	Int	Offset from stored to sampled height
DisplayHeight	060e2b34.01010101.04010501.0b000000	0x3208	8192px	Int	Displayed height placed in Production Aperture
DisplayWidth	060e2b34.01010101.04010501.0c000000	0x3209	4320px	Int	Displayed width placed in Production Aperture
DisplayXOffset	060e2b34.01010101.04010501.0d000000	0x320a	0	Int	Offset from SampledWidth to DisplayWidth
DisplayYOffset	060e2b34.01010101.04010501.0e000000	0x320b	0	Int	Offset from Sampled Height to Display Height
FrameLayout	060e2b34.01010101.04010301.04000000	0x320c	Progressive	Int	Interlace or progressive layout
ImageAspectRatio	060e2b34.01010101.04010101.01000000	0x320e	8192x4320	Rational	
ColorPrimaries	060e2b34.01010109.04010201.01060100	0x3219	FUJIFILM F-Gamut C	UL	
TransferCharacteristics	060E2B34.04010106.0E060401.01010605	0x3210	FUJIFILM Transfer Characteristic F-Log 2	UL	
Coding Equation	060e2b34.01010102.04010201.01030100	0x321a	ITU-R BT.709	UL	
ComponentDepth	060e2b34.01010102.04010503.0a000000	0x3301	16Bit	Int	Number of active bits per sample
HorizontalSubsampling	060e2b34.01010101.04010501.05000000	0x3302	4:4:2	Int	Specifies the H color subsampling
VerticalSubsampling	060e2b34.01010102.04010501.10000000	0x3308		Int	Specifies the V color subsampling
ColorSiting	060e2b34.01010101.04010501.06000000	0x3303		Int	Enumerated value describing color siting
ColorRange	060e2b34.01010102.04010503.05000000	0x3306	897	Int	
FileLastModified	060e2b34.01010102.07020110.02040000	0x3b02	2025/10/27 11:00:00.000	Timestamp	
Company name	060e2b34.01010102.05200701.02010000	0x3c01	FUJIFILM	UTF-16	
Camera Name	060e2b34.01010102.05200701.03010000	0x3c02	GFX ETERNA 55	UTF-16	Name of the application which created or modified this file
Camera FW Version	060e2b34.01010102.05200701.05010000	0x3c04	v1.00	UTF-16	Release version number of this camera
ApplicationProductID	060e2b34.01010102.05200701.07000000	0x3c05	CB AF 4E B4 EA E1 77 C8 C4 26 3A D0 AC 8C 1F 89	UUID	The identification for the camera which created this file
FileModificationDate	060e2b34.01010102.07020110.02030000	0x3c06	2025/10/27 11:00:00.000	Timestamp	
Audio sampling rate	060e2b34.01010105.04020301.01010000	0x3d03	48000/1	Rational	
Audio Codec	060e2b34.01010102.04020402.00000000	0x3d06	MXF-GC Frame-wrapped AES3 audio data	UL	
Audio Channel count	060e2b34.01010105.04020101.04000000	0x3d07	4Ch	Int	

Metadata recorded for each frame
Compliant with SMPTE RDD18

Name	Universal Label	Local Tag	Contents		
			Example	Type	Description (Quated from RDD-18)
IrisFNumber	060e2b34.0101010d.04200202.01000000	Dyn.	F4.0	Int	Lens aperture setting "F-Number",
IrisTNumber	060e2b34.0101010e.04200202.08000000	Dyn.	T4.0	Int	Lens aperture setting "T-Number",
FocusPositionFromImagePlane	060e2b34.0101010d.04200202.02000000	Dyn.	10m	LensSerial HalfFloat	Distance in meters between the image plane and the object in focus
LensZoom35mmStillCameraEquivale	060e2b34.0101010d.04200202.05000000	Dyn.	35mm	LensSerial HalfFloat	Normalized focal length in meters
LensZoomActualFocalLength	060e2b34.0101010d.04200202.06000000	Dyn.	35mm	LensSerial HalfFloat	Actual focal length in meters
OpticalExtenderMagnification	060e2b34.0101010d.04200202.07000000	Dyn.	1.4x	Int	Magnification factor setup of an optical extender or conversion lens where present
LensAttributes	060e2b34.0101010d.03020302.02100100	Dyn.	GF45mmF2.8	UTF-8	Informative description of additional attributes about the lens in use (as a text string).
AnamorphicLensSqueezeRatio	060e2b34.0101010e.04200202.0c000000	Dyn.	2.0x	Int	Optical image distortion with a special lens for widescreen movie. The unsigned value is in percent and is usually equivalent to the pixel aspect ratio of the captured picture.
Optical Inversion	060E2B34.0101010D.04200202.0D000000	Dyn.	False	Int	Optical image orientation. Value 0 is for ordinary lens systems.
Capture Gamma Equation	060e2b34.01010102.04010201.01010200	Dyn.	ITU-R BT.709	UL	Specifies the gamma of the camera transfer function as a SMPTE Label value registered in SMPTE Labels Register
Auto Exposure Mode	060E2B34.0101010D.04200103.01010000	Dyn.	Manual Exposure mode	UL	Describes the setup mode the camera uses for automatic exposure. Each value is a SMPTE Label and registered in SMPTE Labels Register.
AutoFocusSensingAreaSetting	060e2b34.01040101.02010132.00000000	Dyn.	MF	Int	Describes the selected areas used for the auto focus. Each value is a registered code.
NeutralDensityFilterWheelSetting	060e2b34.0101010d.04200103.01040000	Dyn.	Clear	Int	Specifies the setting of the attenuation ratio of the built-in optical neutral density (ND) filter.
CaptureFrameRate	060e2b34.01040101.03010100.00000000	Dyn.	119.88p	Rational	Capture Frame Rate in fps (e.g. 50:1, 60000:1001). The rate at which the video is captured in frames per second.
ImageSensorReadoutMode	060e2b34.0101010d.04200103.01070000	Dyn.	Progressive	Int	Image sensor Readout mode defined as a registered code.
ShutterSpeedAngle	060e2b34.0101010d.04200103.01080000	Dyn.	180°	Int	Shutter speed as an angle defining the exposure time in minutes (angle) relative to a completely open shutter angle of 360 degrees
Shutter Speed (Time)	060E2B34.0101010D.04200103.01080100	Dyn.	1/60	Rational	Shutter speed as a time defining the exposure time per one frame/field period in seconds
ISOSensitivity	060e2b34.01040101.01010200.00000000	Dyn.	6400	Int	Sensitivity to light in ISO exposure index up to 32000
ElectricalExtenderMagnification	060e2b34.0101010d.04200103.010b0000	Dyn.	1.0x	Int	Expresses the magnification setup of the picture size in percent where 100% (64h) represents the original picture size
AutoWhiteBalanceData	060e2b34.0101010d.04200103.02010000	Dyn.	Automatic White Balance Setup	Int	Auto White Balance Mode defined as a registered code
White Balance	060E2B34.0101010D.04200103.02020000	Dyn.	6400K	Int	White Balance value defined by the temperature in Kelvin
CameraAttributes / Product Name	060e2b34.01040101.01100600.00000000	Dyn.	FUJIFILM GFX ETERNA 55	UTF-8	Informative description of additional attributes about the camera in use (as a text string). The string length is less than 64 bytes.

Genlock

1.Preparation of Genlock equipment:
- Genlock device
-75Ω BNC cable

2.Camera Genlock menu settings:
-Turn on genlock
-Make sure project FPS and recording FPS are the same setting

3. Genlock device settings
-Select the Genlock setting corresponding to the camera's frame rate from the table below

4.Connecting the Genlock device
-Connect the Genlock device to the camera using a 75Ω BNC cable
-Confirm that the Genlock connected icon 

is displayed on the LCD screen

5.Notes
-Camera does not support interlace setting. When interlaced is selected for Genlock settings, the phase may shift by about half frame.

Project FPS	Recommended Genlock Setting
59.94	1920 x 1080 59.94p 1280 x 720 59.94p
50	1920 x 1080 50p 1280 x 720 50p
48	-
47.95	-
29.97	1920 x 1080 29.97p 1280 x 720 29.97p
25	1920 x 1080 25p 1280 x 720 25p
24	1920 x 1080 24p 1280 x 720 24p
23.98	1920 x 1080 23.98p 1280 x 720 23.98p

Recording Time

Notes;

-To play MXF files on the camera, the proxy setting must be turned on.

-If the project FPS and recording FPS settings differ, the proxy file will not be recorded.

Media Rec. Setting		ProRes HQ					ProRes LT	H.265 ALL-I or Long-GOP	H.265 ALL-I or Long-GOP
Proxy		ProRes	ProRes	ProRes	ProRes	Off	ProRes	ALL	ALL
Resolution		4K	4K	8K	4K 4:3 opengate	4K	4K	ALL	ALL
Recording FPS		24	59.94	24	24	24	24	ALL	ALL
Bitrate		-	-	-	-	-	-	720Mbps	360Mbps
CFexpress/ SD Card	512GB	80	32	21	61	84	161	93	184
	1TB	160	64	42	123	169	323	186	368
	2TB	321	129	84	247	339	646	373	736

FILE FORMAT No difference in recording time between MOV and MXF.

F-Log/HLG No difference in recording time between FILM SIMULATION, F-Log(2/2C), and HLG.

(Approximate minute)

Menu / Settings Chart

※The black dot(•) indicates the default setting

• PROJECT				
	• IMAGE FORMAT			
		• IMAGE FORMAT		
			• GF	
			Premista	
			35mm	
			ANAMORPHIC(35mm)	
			Super35	
		MAGNIFICATION		
			• 2X	
			1.8X	
			1.5X	
			1.33X	
			1.3X	
		DESQUEEZE DISP. IN RECORDING		
			ON	
			• OFF	
	RESOLUTION ※The content varies depending on the selected	Format : GF		
		8K 16:9		
		8K 17:9		
		5.8K 2.39:1		
		4K 4:3		
		• 4K 16:9		
		4K 17:9		
		FHD 16:9		
		FHD 17:9		
		Format : Premista		
		8K 16:9		
		8K 17:9		
		• 5.4K 17:9		
		4K 16:9		
		4K 17:9		
		FHD 16:9		
		FHD 17:9		
		Format : 35mm		
		8K 16:9		
		8K 17:9		
		4.8K 3:2		
		• 4.8K 16:9		
		4K 16:9		
		4K 17:9		
		FHD 16:9		
		FHD 17:9		
		Format : 35mm/Anamorphic		
		• 8K 2.76:1 (ANAMORPHIC 2x)		
		8K 2.39:1 (ANAMORPHIC 2x)		
		4.6K 1.38:1 (ANAMORPHIC)		
		4K 1.195:1 (ANAMORPHIC)		
		8K 16:9		
		8K 17:9		
		4.8K 3:2		
		4.8K 16:9		
		4K 16:9		
		4K 17:9		
		FHD 16:9		
		FHD 17:9		
		Format : Super35mm		
		• 6.3K 16:9		
		4K 16:9		
		4K 17:9		
		FHD 16:9		
		FHD 17:9		
	PROJECT FPS			
		59.94		
		50		
		48		
		47.95		
		29.97		
		25		
		• 24		
		23.98		
	F-Log/HLG/RAW			
		• MEDIA REC/LCD OUTPUT		
			• FILM SIMULATION	
			F-Log2	
			F-Log2 C	
			F-Log	
			HLG	
		SDI/HDMI OUTPUT		
			• FILM SIMULATION	
			F-Log2	
			F-Log2 C	
			F-Log	
			HLG	
		SDI/HDMI OUTPUT RAW SETTING		
			ATOMOS RAW	
			Blackmagic RAW	
			• OFF	

- FILM SIMULATION
  - PROVIA / STANDARD
  - Velvia / VIVID
  - ASTIA / SOFT
  - CLASSIC CHROME
  - REALA ACE
  - PRO Neg. Hi
  - PRO Neg. Std
  - CLASSIC Neg.
  - NOSTALGIC Neg.
  - ● ETERNA / CINEMA
  - ETERNA BLEACH BYPASS
  - ACROS
  - ACROS+Ye FILTER
  - ACROS+R FILTER
  - ACROS+G FILTER
  - MONOCHROME
  - MONOCHROME+Ye FILTER
  - MONOCHROME+R FILTER
  - MONOCHROME+G FILTER
  - SEPIA
- LUT SETTING
  - ● FILM SIMULATION
    - ● NON
    - (User LUT 1 - 16)
      - Button assignment: Load
        - (LUT addition execution screen)
          - Button assignment: Slot switch
            - ● Slot1 (icon)
            - Slot2 (icon)
      - Button assignment: Delete
        - (Delete execution screen)
  - F-Log2
    - ● DEFAULT
    - (User LUT 1 - 16)
      - Button assignment: Load
        - (LUT addition execution screen)
          - Button assignment: Slot switch
            - ● Slot1 (icon)
            - Slot2 (icon)
      - Button assignment: Delete
        - (Delete execution screen)
  - F-Log2 C
    - (Same as F-Log2)
  - F-Log
    - (Same as F-Log2)
  - HLG
    - (Same as F-Log2)
- MEDIA REC SETTING
  - ● REC MEDIA
    - ● SLOT 1
    - SLOT2
    - SEQUENTIAL
    - BACKUP
    - SSD
    - SDI/HDMI OUTPUT ONLY
  - FILE FORMAT
    - MOV
    - ● MXF
  - MEDIA REC SETTING
    - H.265 422 Long GOP
    - H.265 422 ALL-Intra
    - ● ProRes HQ
    - ProRes 422
    - ProRes LT
  - ProRes PROXY
    - H.264
    - ● ProRes Proxy
    - OFF
  - BITRATE
    - 720Mbps
    - ● 360Mbps
    - 200Mbps
    - 100Mbps
    - 50Mbps
- CLIP SETTING
  - ● CAMERA ID
    - ●A A-Z
  - REEL NO
    - Value List: Thousands
    - ●0 0-9 (increments of 1)
    - Value List: Hundreds
    - ●0 0-9 (increments of 1)
    - Value List: Tens
    - ●0 0-9 (increments of 1)
    - Value List: Ones
    - ●1 0-9 (increments of 1)

RECORDING	*						
	● IRIS	Setting is available when the lens aperture position is set to C.					
			(Aperture selection)				
	IRIS DISP						
			F NUMBER				
		●	T NUMBER				
	EXP. COMPENSATION						
		●0	+2 ~ -2 (1/4 step)				
	PHOTOMETRY						
		●	MULTI				
			CENTER WEIGHTED				
			SPOT				
			AVERAGE				
	SELF-TIMER						
			10 SEC				
			5 SEC				
			3 SEC				
		●	OFF				
	IS SETTING						
		●	IS MODE				
				●	OIS		
					OIS + DIS		
					OFF		
			IS MODE BOOST				
					ON		
				●	OFF		
	PERIPHERAL ILLUMINATION CORRECTION						
		●	ON				
			OFF				
	MOUNT ADAPTOR SETTING						
			LENS 1-6 *The following layers are the same	Button assignment: Edit			
				●	LENS REGISTRATION	LENS1-6	(Lens name input screen)
					FOCAL LENGTH SETTING		
							(Focal length input screen)
					DISTORTION CORRECTION		
							BARREL STRONG
							BARREL MEDIUM
							BARREL WEAK
						●	OFF
							PINCUSHION WEAK
							PINCUSHION MEDIUM
							PINCUSHION STRONG
					COLOR SHADING CORRECTION		
						●	TOP LEFT
							R
						●0	-9 - +9 (increments of 1)
							B
						●0	-9 - +9 (increments of 1)
							TOP RIGHT
							R
						●0	-9 - +9 (increments of 1)
							B
						●0	-9 - +9 (increments of 1)
							BOTTOM LEFT
							R
						●0	-9 - +9 (increments of 1)
							B
						●0	-9 - +9 (increments of 1)
							BOTTOM RIGHT
							R
						●0	-9 - +9 (increments of 1)
							B
						●0	-9 - +9 (increments of 1)
					PERIPHERAL ILLUMINATION CORRECTION		
						●0	-5 - +5 (1step)
		●	OFF				
	GENLOCK						
			ON				
		●	OFF				

	IQ	*				
		●	TONE CURVE			
					Value List: Highlight Tone	
				●0	-2 - +4（0.5step）	
					Value List: Shadow Tone	
				●0	-2 - +4（0.5step）	
			COLOR			
				●0	-4 - +4（1step）	
			SHARPNESS			
				●+4	0 - +8（1step）	
			NOISE REDUCTION			
				●+4	0 - +8（1step）	
			INTERFRAME NR			
					AUTO	
				●	OFF	
			MONOCHROMATIC COLOR		Value List: MC	
				●0	-18 - +18（1step）	
					Value List：MG	
				●0	-18 - +18（1step）	
			F-Log2/C D RANGE PRIORITY			
					ON	
				●	OFF	
	FOCUS	*				
		●	AF MODE			
				●	MULTI	
					TRACKING	
					AREA	
			FOCUS AREA			
					（Execution screen）	
			ROTATE FOCUS POINT			
				●	ON	
					OFF	
			AF-C CUSTOM SETTINGS			
				●	TRACKING SENSITIVITY	
						●2 0 QUICK←→4 LOCKED ON（1step）
					AF SPEED	
						●0 -5SLOW←→+5FAST（1step）
			SUBJECT DETECTION SETTING			
				●	SUBJECT DETECTION	
						ON
						● OFF
					SELECT	
						● FACE
						ANIMAL
						BIRD
						AUTOMOBILE
						BIKE
						AIRPLANE
						TRAIN
			AF+MF			
					ON	
				●	OFF	
			INSTANT AF SETTING			
				●	AF-S	
					AF-C	
			AF RANGE LIMITER			
				●	LIMITER SELECT	
						PRESET2（5.0 - ∞m）
						PRESET1（2.0 - ∞m）
						CUSTOM
						● OFF
					CUSTOM SETTING	
						(Execution screen)
			FOCUS CHECK			
					HIGH	
					LOW	
				●	OFF	
			FOCUS CHECK LOCK			
					ON	
				●	OFF	
			TOUCH SCREEN MODE			
					AF	
				●	AREA	
					OFF	

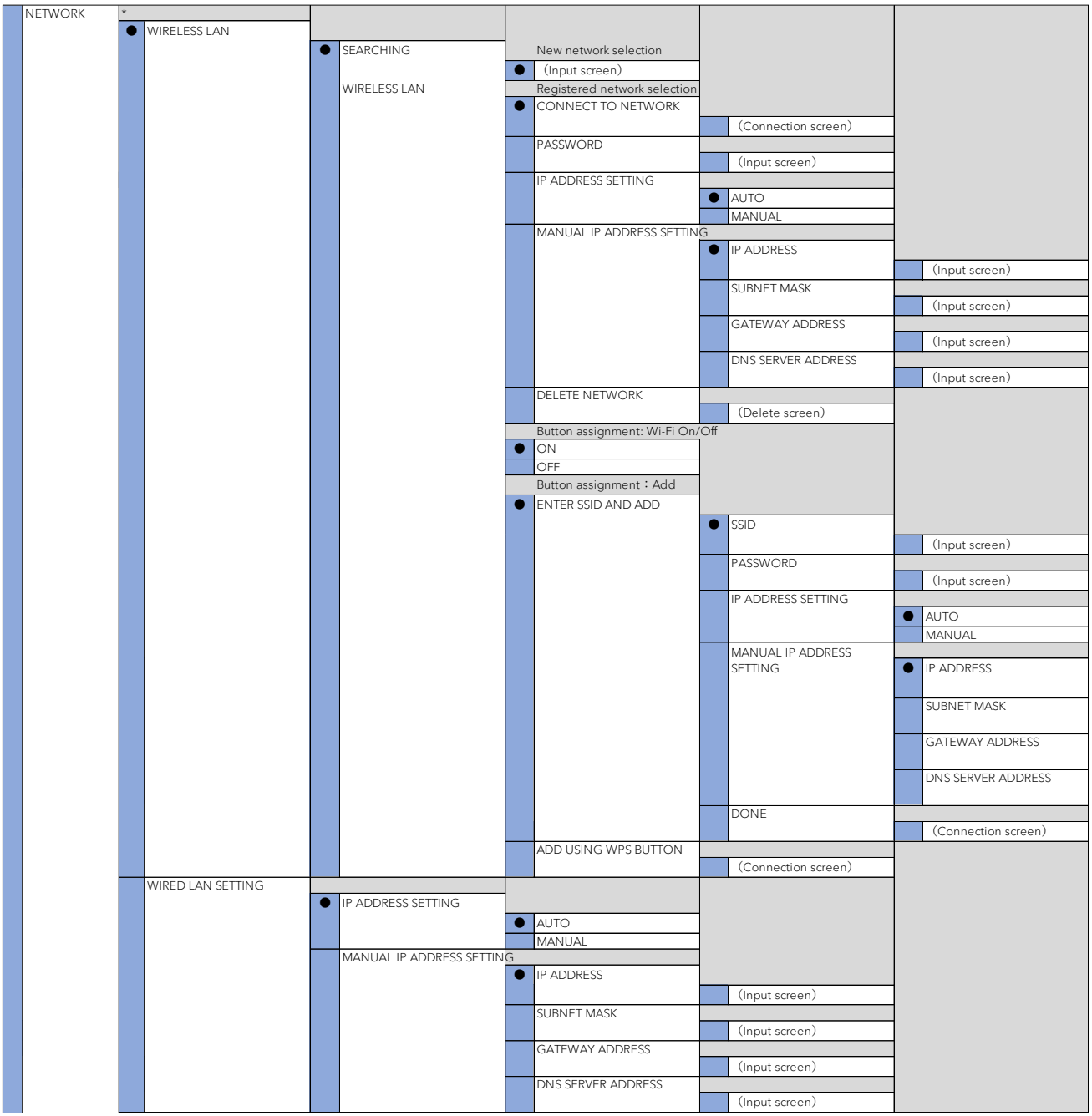
	AUDIO	*					
		●	INT MIC LEVEL ADJUSTMENT				
				●	INT MIC LEVEL ADJUSTMENT		
						AUTO	
						● MANUAL	
						OFF	
					MANUAL SETTING		
						●0 -30dB ~ +6dB（1.5step）	
			EXT MIC LEVEL ADJUSTMENT				
				●	EXT MIC LEVEL ADJUSTMENT		
						AUTO	
						● MANUAL	
						OFF	
					MANUAL SETTING		
						●0 -30dB ~ +6dB（1.5step）	
			MIC JACK SETTING				
				●	MIC		
					LINE		
			MIC LEVEL LIMITER				
				●	ON		
					OFF		
			WIND FILTER				
					ON		
				●	OFF		
			LOW CUT FILTER				
					ON		
				●	OFF		
			HEADPHONES VOLUME				
				●5	0 - 10（1step）		
			XLR MIC ADAPTER SETTING				
				●	MIC INPUT CHANNEL		
						● 4ch XLR+CAMERA	
						2ch XLR ONLY	
					4ch AUDIO MONITORING		
						● XLR	
						CAMERA	
					SDI/HDMI 4ch AUDIO OUTPUT		
						● XLR	
						CAMERA	
	TIME CODE	*					
		●	START TIME SETTING				
					（Execution screen）		
			COUNT UP SETTING				
				●	REC RUN		
					FREE RUN		
			DROP FRAME				
				●	ON		
					OFF		
			SDI/HDMI TIME CODE OUTPUT				
				●	ON		
					OFF		
			TIME CODE CONNECTOR				
				●	IN		
					OUT		
			TIME CODE SYNC. SETTING				
				●	USE IN-CAMERA TIME CODE		
					SYNC.WITH TC DEVICE		
					SYNC. WITH Bluetooth DEVICE	Pairing	
						（Pairing screen）	
					SYNC. WITH USB DEVICE		

- MONITOR
  - * (●)
    - SDI/HDMI OUTPUT SETTING (●)
      - SDI OUTPUT SETTING (●)
        - ON (●)
        - OFF
      - SDI REC CONTROL
        - ON (●)
        - OFF
      - HDMI OUTPUT
        - ON (●)
        - OFF
      - HDMI REC CONTROL
        - ON (●)
        - OFF
      - SDI/HDMI OUTPUT INFO DISPLAY
        - ON
        - OFF (●)
      - SDI/HDMI OUTPUT RESOLUTION
        - 8K
        - 4K (●)
        - 4K DCI
        - FHD
      - SDI/HDMI OUTPUT FPS
        - PROJECT FPS (●)
        - RECORDING FPS
    - WAVEFORM/VECTORSCOPE
      - WAVEFORM
        - Button assignment: SCREEN SET-UP
        - WAVEFORM DISP SETTING
          - DISP1 (●)
          - DISP2
          - DISP3
          - DISP4
      - PARADE
        - Button assignment: SCREEN SET-UP
        - PARADE DISP SETTING
          - DISP1 (●)
          - DISP2
          - DISP3
          - DISP4
          - COLOR (●)
          - MONOCHROME
      - VECTORSCOPE
        - Button assignment: SCREEN SET-UP
        - VECTORSCOPE DISP SETTING
          - DISP1 (●)
          - DISP2
          - DISP3
          - DISP4
      - RGB HISTOGRAM
        - Button assignment: SCREEN SET-UP
        - RGB HISTOGRAM DISP SETTING
          - DISP1 (●)
          - DISP2
          - DISP3
          - DISP4
      - HISTOGRAM
        - Button assignment: SCREEN SET-UP
        - HISTOGRAM DISP SETTING
          - DISP1 (●)
          - DISP2
          - DISP3
          - DISP4
      - OFF (●)
    - FOCUS PEAK HIGHLIGHT
      - SCREEN SET-UP (●)
        - WHITE(LOW)
        - WHITE(HIGH)
        - RED(LOW)
        - RED(HIGH)
        - BLUE(LOW)
        - BLUE(HIGH)
        - YELLOW(LOW)
        - YELLOW(HIGH)
        - OFF (●)
      - INTERLOCK MF ASSIST & FOCUS RING
        - ON
        - OFF (●)
    - ZEBRA SETTING
      - SCREEN SET-UP (●)
        - ZEBRA RIGHT
        - ZEBRA LEFT
        - OFF (●)
      - ZEBRA LEVEL
        - ●50% 50% - 100% (5%step)

	FRAMING GUIDELINE					
		●	FRAMING GUIDELINE DISP			
					ON	
				●	OFF	
			FRAME1			
				●	FRAME1 DISP	
						ON
						● OFF
					ASPECT RATIO	
						CUSTOM
						2.39:1
						17:9
						● 16:9
						5:4
						4:3
						3:2
						1:1
					CUSTOM ASPECT	
						●1.00:1 (Execution screen)
					SCALE	
						●100 1 ~ 100% (1%step)
					COLOR	
						BLACK
						● WHITE
						YELLOW
						MAGENTA
						CYAN
					FRAMELINE	
						4(THICK)
						3
						● 2
						1(THIN)
			FRAME2			
					(Same as frame1)	
			FRAME3			
					(Same as frame1)	
			MASK SETTING			
				●	MASK DISP	
						ON
						● OFF
					MASK FRAME SELECT	
						● FRAME1
						FRAME2
						FRAME3
					MASK TRANSPARENCY	
						●50% 10 ~ 100% (10% increments)
			CENTERMARKER SETTING			
				●	CENTERMARKER DISP	
						ON
						● OFF
					CENTERMARKER PATTERN	
						● PATTERN1
						PATTERN2
						PATTERN3
						PATTERN4
					COLOR	
						BLACK
						● WHITE
						YELLOW
						MAGENTA
						CYAN
					FRAMELINE	
						4(THICK)
						3
						● 2
						1(THIN)
	ELECTRONIC LEVEL SETTING					
			2D			
			3D			
		●	OFF			
	REC FRAME					
		●	ON			
			OFF			

		DISP. CUSTOM SETTING				
			●■	AF FOCUS FRAME		
			□	MANUAL FOCUS FRAME		
			□	AF DISTANCE INDICATOR		
			■	MF DISTANCE INDICATOR		
			■	FOCUS MODE		
			■	FOCUS INDICATOR		
			■	PHOTOMETRY		
			■	SHUETTER		
			■	IRIS		
			■	EXP. COMPENSATION		
			■	ISO		
			■	ND		
			■	WHITE BALANCE		
			■	IMAGE FORMAT		
			■	RESOLUTION		
			■	PROJECT FPS		
			■	RECORDING FPS		
			■	FILE FORMAT		
			■	MEDIA REC SETTING & MOVIE COMPRESSION FORMAT		
			■	CROP MAGNIFICATION		
			■	LOOK MEDIA		
			■	LOOK LCD		
			■	LOOK SDI/HDMI		
			■	CLIP&REEL		
			■	CAMERA STATUS		
			■	REC. TIME		
			■	GENLOCK		
			■	TIME CODE		
			■	COOLING FAN		
			■	IS MODE		
			■	SELF-TIMER		
			■	MIC LEVEL		
			■	Bluetooth STATUS		
			■	Wi-Fi/Ethernet STATUS		
			■	REMOTE REC FUNCTION STATUS		
			■	Frame.io STAUS		
			■	IMAEG TRANSFER STATUS		
			■	MEDIA RECORDING TIME		
			■	BATTERY AGE		
			■	EXTERNAL BATTERY INFO		
			■	TOUCH AF OFF BUTTON		
			■	POWERZOOM		
			■	GUIDANCE MESSAGE		
		FOCUS SCALE UNITS				
			●	METERS		
				FEET		
		LCD INVERSION SETTING				
			●	NORMAL		
				INVERSION1		
				INVERSION2		
				INVERSION3		

USER	*						
	● Fn SETTING						
		● Fn1					
				●	ND ON/CLEAR		
					LOOK SETTING A/C		
					AWB LOCK SWITCH		
					AWB LOCK PRESS		
					IRIS +		
					IRIS -OPEN		
					IRIS AUTO		
					EXPO.COMP +1/4		
					EXPO.COMP -1/4		
					PHOTOMETRY		
					IS MODE		
					IS MODE BOOST		
					SELF-TIMER		
					FOCUS AREA		
					FOCUS CHECK HIGH		
					FOCUS CHECK LOW		
					FOCUS CHECK LOW/HIGH		
					AF MODE		
					SUBJECT DETECTION SETTING		
					AF RANGE LIMITER		
					FOCUS CHECK LOCK		
					AF LOCK SWITCH		
					AF LOCK PRESS		
					AF-ON		
					INTERNAL/EXTERNAL MIC LEVEL ADJUSTMENT		
					4ch AUDIO PLAYBACK		
					SDI/HDMI OUTPUT DISP		
					WAVEFORM/VECTORSCOPE		
					PEAKING		
					ZEBRA SETTING		
					FRAMING GUIDELINE		
					ELECTRONIC LEVEL SWITCH		
					LCD INVERSION		
					CONSTANT SPEED ZOOM (T)		
					CONSTANT SPEED ZOOM (W)		
					CONSTANT SPEED FOCUS (N)		
					CONSTANT SPEED FOCUS (F)		
					Bluetooth ON/OFF		
					COOLING FAN SETTING		
					LCD BRIGHTNESS		
					PLAYBACK		
					NON		
			Fn2				
				●	SDI/HDMI OUTPUT DISP		
					(Same selectable items as Fn1)		
			Fn3				
				●	ND ON/CLEAR		
					(Same selectable items as Fn1)		
			Fn4				
				●	SDI/HDMI OUTPUT DISP		
					(Same selectable items as Fn1)		
			Fn5				
				●	AF-ON		
					(Same selectable items as Fn1)		
			Fn6				
				●	WAVEFORM/VECTORSCOPE		
					(Same selectable items as Fn1)		
			Fn7				
				●	PEAKING		
					(Same selectable items as Fn1)		
		ZOOM/FOCUS SETTING					
			● FOCUS RING OPERATION				
				●	LINEAR		
					NONLINEAR		
			FOCUS RING ROTATE				
					CW		
				●	CCW		
			ZOOM RING ROTATE				
					CW		
				●	CCW		
			CONSTANT SPEED FOCUS(Fn)				
				●4	1 - 8 (1step)		
			CONSTANT SPEED ZOOM(Fn)				
				●4	1 - 8 (1step)		
			CONSTANT SPEED ZOOM/FOCUS SPEED SETTING				
				●	START/STOP		
					ACTIVE WHILE PRESSING		
		FOCUS LEVER SETTING					
			● ON				
			PUSH TO UNLOCK				
			OFF				
		TOUCH SCREEN SETTING					
			● TOUCH SCREEN(LCD)				
				●	ON		
					OFF		
			DOUBLE TAP SETTING(LCD)				
					HIGH		
					LOW		
				●	OFF		
			PLAYBACK TOUCH SCREEN SETTING(LCD)				
				●	ON		
					OFF		
			SIDE MONITOR				
				●	ON		
					OFF		


NETWORK
*
WIRELESS LAN
SEARCHING
WIRELESS LAN
New network selection
(Input screen)
Registered network selection
CONNECT TO NETWORK
(Connection screen)
PASSWORD
(Input screen)
IP ADDRESS SETTING
AUTO
MANUAL
MANUAL IP ADDRESS SETTING
IP ADDRESS
(Input screen)
SUBNET MASK
(Input screen)
GATEWAY ADDRESS
(Input screen)
DNS SERVER ADDRESS
(Input screen)
DELETE NETWORK
(Delete screen)
Button assignment: Wi-Fi On/Off
ON
OFF
Button assignment : Add
ENTER SSID AND ADD
SSID
(Input screen)
PASSWORD
(Input screen)
IP ADDRESS SETTING
AUTO
MANUAL
MANUAL IP ADDRESS SETTING
IP ADDRESS
SUBNET MASK
GATEWAY ADDRESS
DNS SERVER ADDRESS
DONE
(Connection screen)
ADD USING WPS BUTTON
(Connection screen)
WIRED LAN SETTING
IP ADDRESS SETTING
AUTO
MANUAL
MANUAL IP ADDRESS SETTING
IP ADDRESS
(Input screen)
SUBNET MASK
(Input screen)
GATEWAY ADDRESS
(Input screen)
DNS SERVER ADDRESS
(Input screen)

- Frame.io Camera to Cloud
  - ● CONNECT
    - CONNECT
    - ● DISCONNECT
  - GET PAIRING CODE
    - (Execution screen)
  - REMOVE PROJECT
    - (Execution screen)
  - SELECT FILE TYPE
    - ●■ MOV/MXF - PROXY
    - □ MOV/MXF - ProRes
    - □ MOV/MXF - OTHER
    - □ JPEG
  - UPLOAD SETTING
    - ● AUTO IMAGE TRANSFER ORDER
      - ● ON
      - OFF
    - TRANSFER/SUSPEND
      - ● TRANSFER
      - SUSPEND
    - IMAGE TRANSFER WHILE POWER OFF
      - ON
      - ● OFF
    - ROOT CERTIFICATE
      - (Display screen)
  - UPLOAD STATUS
    - (Display screen)
  - TRANSFER QUEUE
    - (Display screen)
  - RESET TRANSFER ORDER
    - (Execution screen)
  - INTRODUCE Frame.io Camera to Cloud
    - (Display screen)
- REMOTE REC FUNCTION
  - ● USE FUNCTION
    - Selectable after setting USER NAME and PASSWORD.
    - USE
    - ● NOT USE
  - USER NAME
    - (Input screen)
  - PASSWORD
    - (Input screen)
  - SERVER TYPE
    - HTTP
    - ● HTTPS
  - QR CODE
    - (Display screen)
- Bluetooth SETTING
  - ● CONNECT TO ATOMOS AirGlu BT
    - ● PAIRING REGISTRATION
      - (Execution screen)
    - DELETE PAIRING REG.
      - (Execution screen)
  - CONNECTED OTHER DEVICE
    - ● PAIRING REGISTRATION
      - (Execution screen)
    - DELETE PAIRING REG.
      - (Execution screen)
  - Bluetooth ON/OFF
    - ON
    - ● OFF
  - CAMERA NAME
    - (Keyboard screen)
- ERROR DESCRIPTION
  - (Display screen)
- HARDWARE INFO
  - (Display screen)
- RESET NETWORK SETTING
  - (Display screen)

- SET UP
  - *
    - ● 言語/LANG.
      - ● ENGLISH
      - FRANCAIS
      - DEUTSCH
      - ESPAÑOL
      - PORTUGUÊS
      - ITALIANO
      - عربي
      - 中文簡
      - 繁體
      - 한글
      - 日本語
      - TÜRKÇE
    - DATE/TIME
      - ● HOME LOCATION
        - (Execution screen)
          - Button assignment：Summer time On/Off
            - ON
            - ● OFF
      - DATE/TIME
        - (Execution screen)
          - Button assignment: AMPM/24h
            - AM/PM
            - ● 24H
      - TIME DIFFERENCE
        - ● HOME
        - LOCAL
      - LOCAL AREA
        - (Execution screen)
    - RESET ALL EXCEPT NETWORK SETTINGS
      - (Execution screen)
    - FORMAT
      - ● SLOT1
        - (Execution screen)
      - SLOT2
        - (Execution screen)
      - SSD
        - (Execution screen)
    - MAINTENANCE
      - ● PIXEL MAPPING
        - (Execution screen)
      - SENSOR CLEANING
        - ● UPDATE NOW
          - (Execution screen)
        - CLEANING TIMING
          - ●■ SWITCHED ON
          - □ SWITCHED OFF
      - BATTERY AGE
        - (Display screen)
    - COOLING FAN SETTING
      - ● FAN MODE
        - ● AUTO1
        - AUTO2
        - HIGH
        - LOW
      - HIGH MODE SETTING
        - ●51% 51 ~ 100%（1%step)
      - LOW MODE SETTING
        - ●25% 25 ~ 49%（1%step)
      - REC MODE SETTING
        - ● CONTINUE
        - STOP
    - POWER MANAGEMENT
      - ● V BATTERY LOW WARNING %
        - ●10% 0% ~ 100%（1%step)
      - V BATTERY LOW WARNING V
        - ●12.0 11.5V ~ 17.0V（0.1step)
    - LED/SOUND SETTING
      - ● TALLY LIGHT SETTING
        - ●■ FRONT
        - ■ SIDE
      - REC START BEEP
        - 3
        - 2
        - 1
        - ● OFF
    - LCD SETTING
      - ● LCD BRIGHTNESS
        - ●0 -5 - +5（1step)
      - LCD COLOR
        - ●0 -5 - +5（1step)
      - LCD COLOR ADJUSTMENT
        - R
        - ●0 -5 - +5（1step)
        - B
        - ●0 -5 - +5（1step)
      - SIDE MONITOR BRIGHTNESS
        - ●0 -5 - +5（1step)
      - SIDE MONITOR COLOR
        - LIGHT
        - ● DARK
    - FIRMWARE UPDATE
      - ● BODY
        - (Execution screen)
      - LENS
        - (Execution screen)
      - LCD MONITOR
        - (Execution screen)
      - MOUNT ADAPTER
        - (Execution screen)
    - REGULATORY
      - ● (Authentication screen)