

For more information visit: <http://fujifilm-x.com/x-h1/>

SHOOTING MOMENTS, MAKING **STORIES.**



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# SHOOTING MOMENTS, MAKING **STORIES.**

Existence, design, color, beauty.

Temperature, smell, heat.

Tranquility, whispers.

Commotion, cheer, emotions.

Past and future, connected in a moment.

The connection creates a story to be told.

Shoot each moment.

Convey the story.

**FUJIFILM X-H1**



SHOOTING  
MOMENTS,  
MAKING  
**STORIES.**

# DURABILITY AND MOBILITY

## Exceptional mobility and durability

Keep a firm hold of the X-H1 and pan repeatedly to track a passing car under intense sunlight, sudden rainfall or a cloud of sand. Motorsport photography tests the toughness of both photographers and their equipment. That is why you need a camera system that offers outstanding mobility and durability. The X-H1 not only meets the requirements but also delivers performance that captures the intensity, brilliance and everything else that motorsport has to offer.



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FUJIFILM X-H1 + XF50-140mmF2.8 R LM OIS WR 1/60sec. F3.6 ISO400 by Andrew HALL



## SYNCHRONIZE YOUR INTENTION

### A camera that synchronizes with the photographer's intentions

The X-H1's large grip allows you to maintain a firm hold, while the feather-touch shutter button enables delicate shutter operations. The high-performance electronic viewfinder offers a large and clear view of the field. The powerful image stabilization, reduced blackout time while using the continuous shooting mode and other design details synchronize with the movements of your hands and eyes, capturing glowing moments of this extreme sport.

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## CAPTURE THE ACTION

### Capturing every action

The X-H1 also excels when shooting sports that involve constantly changing conditions. The dials and buttons are optimally positioned for direct operability. Its unique focus algorithm keeps track of your subject, and a special program eliminates exposure instability caused by flickering lights, which can occur when shooting indoors. The X-H1 incorporates these technologies to ensure you won't miss a one-off shutter opportunity.





## EXCEEDS PROFESSIONAL EXPECTATIONS

### Comprehensive system capabilities

The X-H1 has advanced features to support professional workflow, including the data communications function, multi-flash lighting support and compatibility with various software products. Studio photography involves numerous staff members, making it essential to build a system that responds directly to photographic objectives. At the heart of such a setup, the X-H1 delivers impressive color and gradation reproduction to capture various subjects' texture and presence in a way that reflects the photographer's artistic sense.

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## TOUGHNESS AND RELIABILITY

### Ultimate camera for field photography

The X-H1's rugged design can handle the harshest of natural conditions, be it a snow-blanketed field in sub-zero temperatures, or the bleak wilderness under a sandstorm. The camera body is lightweight, compact and portable for added mobility, yet also offers water-resistant, dust-resistant and low-temperature operation capability. Its dials and buttons are designed so they can be easily operated with gloves on. The high-performance electronic viewfinder adjusts brightness according to the amount of ambient light and the human eyes' adaptability to it. A large-capacity battery grip is also available. These features act as the photographer's hands and eyes, making it possible to capture and deliver miraculous moments that occur on this planet in still photos and videos.

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# PROFESSIONALS' VOICE

TALKING ABOUT **FUJIFILM X-H1**

## Andrew **HALL** AUS

The X-H1 is perfect for the rapid action world of Motorsport. The X-H1 has the same superb image quality as the X-T2, increased AF performance and improved ergonomics with a larger grip but for me the best feature is the in-body image stabilization. Having the stabilization enables me to use my favourite prime lenses in ways that were not possible before. In my world of motorsport photography using the X-H1 with in-body image stabilization with up to 5.5 stops means that I can create unique images, from pin sharp driver portraits in dark pit garages to panned shots on track at much slower shutter speeds using my favourite prime lenses.



## Jeff **CARTER** GBR

As a sports photographer quick and accurate autofocus is critical for my work and this is an area in which X-H1 excels. The AF custom functions are a huge benefit, allowing me to choose the most suitable option to allow the X-H1 autofocus system to follow the subject. The X-H1's autofocus system also reacquires a subject much quicker than previous X Series cameras, should the lock become lost, with little or no hunting as the camera tries to focus. The autofocus system on the X-H1 is a big step forward in the evolution of the X Series and makes the tracking of fast moving subjects an absolute breeze.



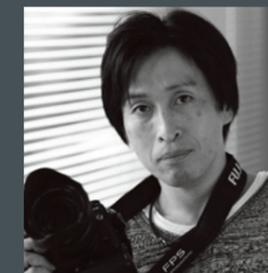
## Noriyuki **WATABE** JPN

Thanks to the X-H1's good-sized grip, it is easy to hold the camera firmly. The addition of the in-body image stabilization also provides extra stability and reliability when shooting. The new viewfinder makes it easier to use autofocus to follow fast-moving subjects, and I can focus on the subject and shoot without stress due to the light feel of the shutter-release button. I usually use the X-T2, but I feel that the X-H1 is a streamlined, professional camera that supports even higher-level photography.



## Akihiro **SATO** JPN

I recently went to shoot a Nagoya Diamond Dolphins basketball match with my X-H1. I was keen to find the answer to two main questions. Firstly, what kind of feeling do I get from the speed of the autofocus and the camera's ability to follow moving subjects? Secondly, how well does the flickerless mode work when shooting sports inside a gymnasium? The Dolphins players move rapidly around the court, but the X-H1's AF functionality was more than able to keep up. Flicker has previously been an issue for me when photographing sports in an indoor arena, but the camera's new advanced capabilities removed any stress. I'm quite sure that this long-awaited camera will greatly transform sports photography.



## Yunfeng **DU** CHN

I was impressed by this camera. The function of high speed continuous shooting and high speed synchronization can be well fixed on the paint in the air, making it clearly visible. It is extremely accurate to restore the color in red, put the texture of character makeup and paint in the place. The idea of shooting is to produce a strong visual effect through a collision between color and static. The paint made an unexpected moment form in the movement and the main characters of the meditative state produced the strong contrast and infinite tension between motion and static. This also forms a kind of echo from the color.



## Klaus **BO** DNK

I took the X-H1 to Nepal to test it in a very rough environment. With temperatures from -5 C and up, with heavy pollution and very heavy dust, and with extremely bumpy rides in old jeeps on crazy dirt tracks lasting 10 hours or more, the X-H1 never failed one single time. Shooting a lot in low light at high ISO (4000+), the new five axis in-body image stabilization also became a very good friend of mine on this trip.



## Masahiro **Aida** JPN

ETERNA is a motion picture film loved by many film camera operators around the world and ETERNA has now been added to our Film Simulation modes. The Film Simulation captures all the qualities of images created using ETERNA negative film for cinematography, including richly expressive tones and a color balance that remains robust through both over- and under-exposure. ETERNA is a reliable partner for filmmakers, displaying both sumptuous shades of black as well as arresting, overlaid shades of white reminiscent of a negative film, while creating a fulfilling contrast linking these light and dark areas of the image.





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# IMAGING

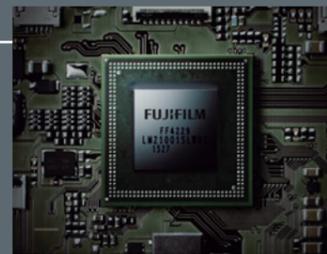
## Sensor X-TRANS CMOS III

The X-H1 features the 24.3MP APS-C sensor "X-Trans CMOS III", which delivers images with enriched depth. The use of aperiodic color filter array minimizes moiré and false colors even without an optical low-pass filter. When combined with XF lenses, specifically designed for this series of cameras, the sensor achieves outstanding descriptive performance.



## Processor X-Processor Pro

The "X-Processor Pro" is a processing engine that draws out the maximum capability of the "X-Trans CMOS III" high-performance sensor. Its use of large built-in memory and advanced processing power boost the camera's speed and precision performance in interval shooting, shutter release time lag, AF, continuous shooting, live view display, etc. The processor also supports the Boost Mode for the vertical power booster grip, VPB-XH1, enhancing the camera's performance to another level.



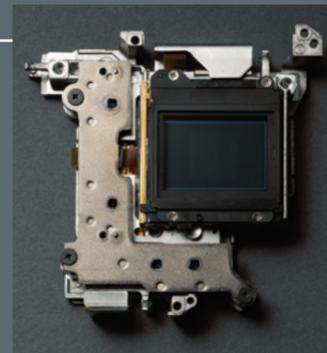
Fastest AF speed	<b>0.06 sec.</b>	Shooting interval	<b>0.17 sec.*1</b>	Shutter time lag	<b>0.045 sec.*1</b>
Startup time	Approx. <b>0.4 sec.</b>	Continuous shooting speed	<b>14 fps*2</b>	EVF display speed	Approx. <b>100 fps</b>

\*1 When using the Boost Mode with a power booster grip

\*2 When using the electronic shutter: Up to 11 fps when using the mechanical shutter (when the Boost Mode with a power booster grip is enabled)

## In-body image stabilization

For the first time in the X Series, the X-H1 has an image stabilization mechanism built in. A three-axis accelerometer, a three-axis gyro sensor and a dedicated dual processor work together to carry out processing and correction approximately 10,000 times every second to achieve image stabilization performance with advanced speed and precision. The correction is based on five axis (up and down / right and left pitch, yaw angle and optical axis rotation) to achieve more than five-stop (up to the equivalent of 5.5 stops\*3) image stabilization when the camera is fitted with any Fujifilm lens that does not feature the optical image stabilization functionality. This complements X-H1's performance in low-light conditions or when shooting active scenes.

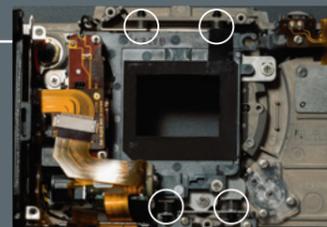


Sensor unit that cancels vibration with fast processing and linear drive

\*3 When using the XF35mmF1.4 R

## Shutter shock absorption mechanism

The top plate of the X-H1's shutter unit is equipped with suspension for absorbing delicate shock generated by the operation of the mechanical shutter. This minimizes camera shake risks to maximize the effect of image stabilization. The mechanism reduces shutter noise to the lowest level in the history of X Series, making the camera a perfect choice when silent operation is desired, e.g. when photographing wildlife, stage performances or wedding ceremonies.



Shock absorption suspension implemented in shutter unit

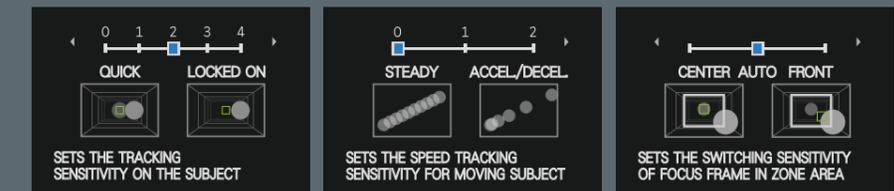
## Auto Focus

The X-H1 boasts autofocus performance with enhanced capability to track a moving subject. With 91 focus points (up to 325 points), the camera has a phase detection AF area that covers 50% (side to side) and 75% (top to bottom) of the frame to achieve fast and accurate autofocus. The phase detection's AF range has been expanded by 1.5 stops from the previous 0.5EV to -1EV, while the minimum aperture requirement is also improved from F8 to F11. Enhanced AF-C performance during zooming means the camera can handle sports with erratic subject movements, and capture a subject with fine textures such as a distant animal, with an advanced level of precision.



## AF-C custom settings

The X-H1 offers three user-adjustable parameters for determining focusing characteristics to make it easier to accurately track a moving subject in the AF-C Mode. There are presets to suit different types of scenes, or you can determine your own custom setting.



### AF-C Custom Settings

SET 1	Basic	SET 2	Ignoring obstacles	SET 3	Accelerating / decelerating subjects
SET 4	Subjects that suddenly come into the frame	SET 5	Erratically moving subjects	SET 6	Custom

## AF operation systems

The X-H1 features a Focus Lever for quickly changing focus point selection in eight directions. You can intuitively move the focus point while keeping your eye on the viewfinder (or by touch panel operation on the rear LCD monitor). The dedicated "AF-ON" button is positioned where your right thumb is placed, so that the focus point can be adjusted with the thumb, while the index finger can concentrate on delicate shutter release actions.



Focus Lever for quick operations



AF-ON button positioned near your thumb



Your index finger can concentrate on delicate shutter release actions.

# BODY

## Tough and durable camera body

The X-H1's body is made of magnesium alloy, 25% thicker than previous models. The lens mount's structure has been revised to achieve a compact and lightweight design that is also of high precision and more resistant to shock or damage than other models in the X Series. It is also resistant to dust and moisture, capable of working at temperatures as low as -10°C. The grain size of the exterior coating has been improved to achieve scratch resistance equivalent to 8H surface hardness.



# INTERFACE

## Operability

Dedicated operation dials are provided to control main exposure settings, such as shutter speed, ISO sensitivity and Drive Mode. For the first time in the X Series, the X-H1's top plate features a sub LCD monitor (1.28 inch), displaying main settings as well as detailed information including exposure compensation and white balance. Shutter speed, exposure, ISO sensitivity and exposure compensation can be controlled with the front and rear dials alone, giving users operability options to suit their preference.

## Rear monitor

The rear 3.0-inch 1.04-million-dot LCD monitor can be tilted by 90 degrees upwards, 45 degrees downwards and 60 degrees to the right for easy high-angle / low-angle / vertical low-angle shooting. The use of the capacitive touch panel facilitates intuitive touch-screen operations for focus point selection, etc.



# DEVICE

## Electronic viewfinder

The X-H1 has a large, class-leading 3.69-million-dot high-resolution electronic viewfinder with the magnification ratio of 0.75x, boasting a display time lag of just 0.005 sec, and a refresh rate of up to 100 fps. It is approximately 1.6 times brighter than previous models, enabling subject capture and focus adjustment with greater precision. The eye sensor, for automatically switching between rear monitor display and viewfinder display, responds around 2 times faster than previous models for enhanced usability.



## Feather-touch shutter button

The X-H1 is equipped with the new feather-touch shutter button that can respond to delicate shutter release actions to capture all photographic opportunities. When combined with the firm-hold design of the grip, the shutter button controls camera shake for fast-response operability.



Leaf-spring switch

Firm-hold design allowing the index finger to concentrate on shutter release actions

## Clip-on flash

The EF-X500 (optional) is a powerful high-performance clip-on flash unit with the guide number of 50. It supports the wireless Master / Remote modes, allowing users to set up multi-flash lighting. Its FP lighting (high-speed synchronization) capability enables the use of fast shutter speed or wide-open aperture in flash photography for bokeh (out-of-focus) background.

Clip-on flash EF-X500



## Vertical power booster grip

The VPB-XH1, a vertical power booster grip specifically designed for the X-H1, is dust and moisture-resistant, similar to the camera body. When loaded with two batteries, it increases the maximum number of frames that can be shot per charge to approximately 900. Activating its Boost Mode enhances the camera's performance including the continuous shooting speed. The grip's layout of the shutter button, focus lever and other buttons simulate that of the camera body for smooth switchover to vertical shooting. Equipped with built-in battery-charging functionality, the grip can charge batteries, using the AC adapter supplied. It also features a headphone jack, which is useful during video recording.

Vertical power booster grip VPB-XH1



# COLOR

## Film Simulation

With Film Simulations, you can apply colors and tones that match your artistic intentions to your pictures, as if choosing different special effect photographic films. The X-H1 comes with sixteen Film Simulation modes, which Fujifilm has uniquely created based on the color-presentation philosophy and know-how the company has developed through more than 80 years of photo film production.

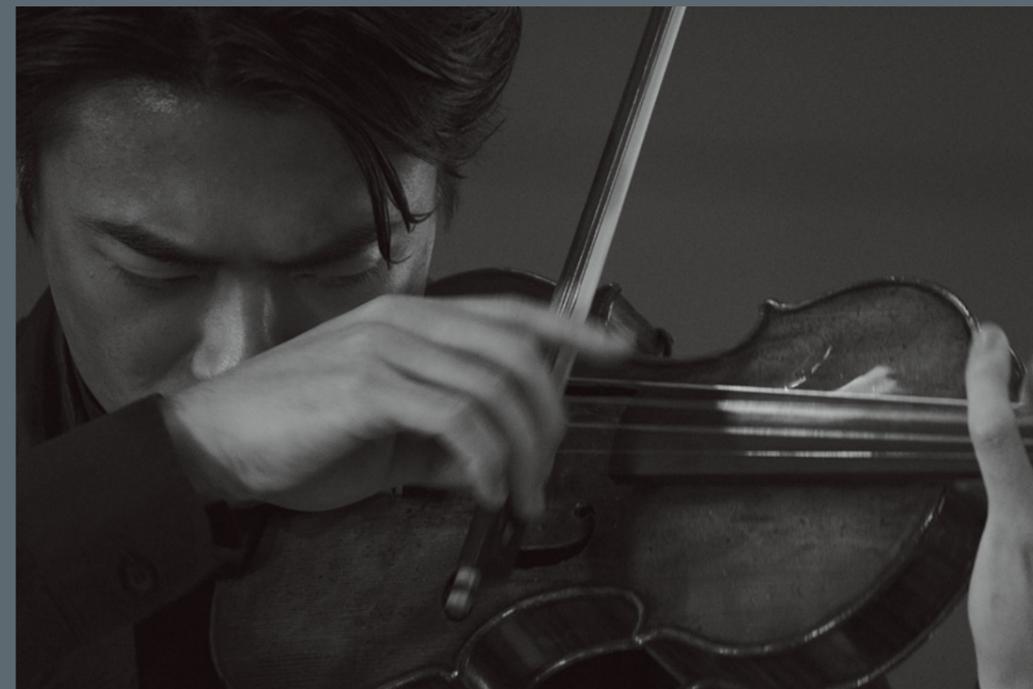


**Velvia** FUJIFILM X-H1 + XF10-24mmF4 R OIS 1/125sec. F5.6 ISO640 by Jakub CEJPEK



**PRO Neg. Hi** FUJIFILM X-H1 + XF56mmF1.2 R APD 1/200sec. F13 ISO100 by Yunfeng DU

FUJIFILM X-H1 + XF50mmF2 R WR 1/2500sec. F4 ISO200 by Klaus BO **CLASSIC CHROME**



FUJIFILM X-H1 + XF100-400mmF4.5-5.6 R LM OIS WR 1/60sec. F5.6 ISO1600 by Naonori KOHIRA **ACROS**  
+Grain effect



ETERNA

FUJIFILM X-H1 + MKX50-135mmT2.9 by Masahiro AIDA

Watch footages filmed on X-H1.  
URL: <http://fujifilm-x.com/cinema/>



# MOVIE

## Film Simulation "ETERNA"

The X-H1 features the "ETERNA" mode, a new Film Simulation mode suitable for video recording, simulating the output of cinematographic films. Characterized by subdued color presentations and rich shadow tones, this mode can be used at 400% Dynamic Range (equivalent to approximately 12 stops) to attain video recording with a high degree of perfection while substantially reducing color-grading workload in post processing.

## DCI 4 K (4096x2160)

The X-H1 supports the digital cinema aspect ratio (17:9), and records high-quality video at a high bit rate of 200 Mbps. You can use the highest ISO 25600, a low shutter speed of 1/4 sec, and even Film Simulation modes in video, enabling diverse video expressions. A premium sound microphone (24bit / 48KHz) is built in, which means you don't need extra equipment to record sound in high-resolution quality.



## High dynamic range "F-Log" log-gamma option

The dynamic range "F-Log" log-gamma option\*1 is available for recording and uncompressed output to external equipment. It supports "color grading," which refers to post-shooting processing of colors and tones for artistic videography. The long-awaited addition of the Film Simulation lookup table (for ETERNA) has increased freedom in post-processing.

\*1 The color gamut is ITU-R BT.2020 compliant.

## High-speed video recording

The X-H1 supports 120p / 100p high-speed video recording (Full HD, 2x / 4x / 5x slow motion), creating slow-motion video with an artistic impact, broadening your scope of videographic expressions.

## Silent video operation

The Silent Video Operation function allows you to control settings such as aperture, shutter speed, ISO sensitivity and white balance with silent touch-panel operations on the rear monitor, preventing the camera from picking up operation noise from buttons and dials during video recording.



# CINEMA LENS

## High quality, lightweight and compact

FUJINON Cine Lenses are used to shoot movies, commercials, and television dramas all over the world. These lenses have world-class performance and quality ingrained in their DNA. They are now available in X mount version with the new MKX Series. MKX series lenses have excellent optical performance, lightweight and compactness and are available in both standard zoom 18-55mm and telephoto zoom 50-135mm focal lengths. Both lenses feature a consistent T2.9 speed for shallow depth of field and beautiful bokeh effects.



### MKX18-55mmT2.9

Focal length (35mm format equivalent)	f= 18-55mm (27-84mm)
Angle of view	76.5°-29.0°
Max. aperture	F2.8
Max. T stop	T2.9
Focus range	0.85m/2ft 9in - ∞ [with wide macro function 0.38m/1ft 2.9in - (at wide end)]
External dimensions Diameter × Length*1 (approx.)	Φ87mm×206.6mm
Weight** (approx.)	1080g
Front diameter	Φ85mm
Filter size	Φ82mm

### MKX50-135mmT2.9

Focal length (35mm format equivalent)	f=50-135mm (76-206mm)
Angle of view	31.7°-12.0°
Max. aperture	F2.8
Max. T stop	T2.9
Focus range	1.2m/3ft 11in - ∞ [with wide macro function 0.85m/2ft 9in - (at wide end)]
External dimensions Diameter × Length*1 (approx.)	Φ87mm×206.6mm
Weight** (approx.)	1080g
Front diameter	Φ85mm
Filter size	Φ82mm

\*1 distance from camera lens mount flange \*2 excluding caps, hoods, support foot, tripod collar foot

## Sophisticated operability

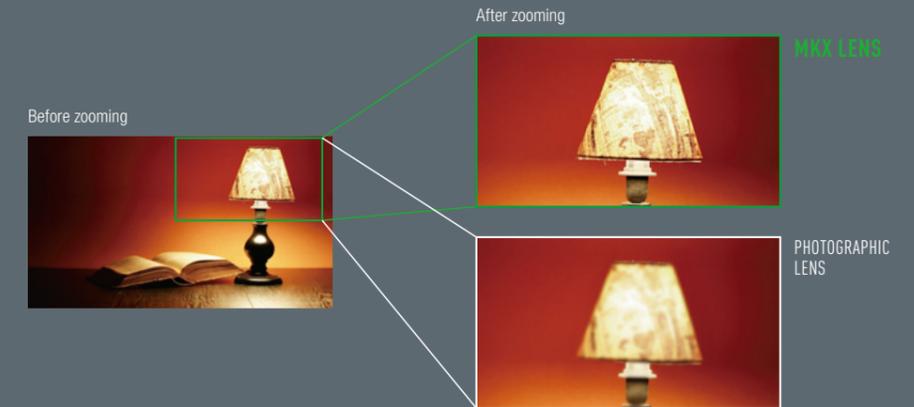
### Fully manual operation with three mechanical lens rings



## High performance

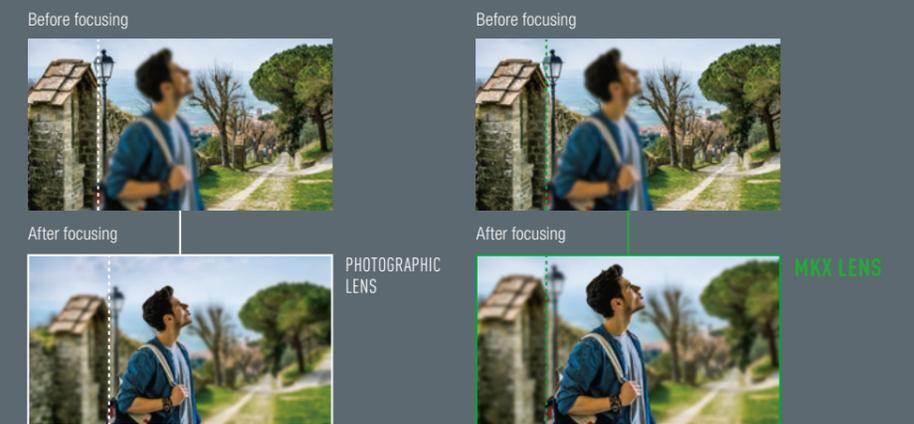
### Suppress focus shifts while zooming

Suppress focus shifts by driving the front focus group and the zoom group independently.



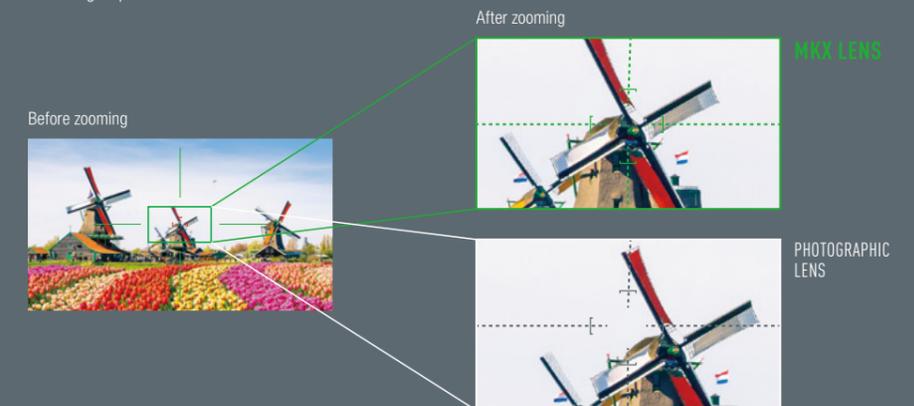
### Suppress lens breathing

Unnatural change in the angle of view called "lens breathing" is suppressed thanks to the MK lenses' front inner focus system.



### Suppress optical axis shifts while zooming

MK Lenses suppress optical axis shifts, causing the lens to skew off center from the subject, by adopting assembly technologies proven in FUJINON Cine Lenses.



# APPLICATION

## Tether shooting

When compatible software is installed on your Mac or Windows computer, you can conduct tether shooting, with the camera tethered to the computer either by cable or wirelessly, creating professional shooting environment.



### FUJIFILM X Acquire\*

When installed on your computer, connected to the camera by cable or wirelessly, this software automatically transfers photographs from the camera as you shoot, and saves them to a specified folder. When using USB connectivity, the software also offers the functions of backing up / restoring camera settings. It is available as free download from Fujifilm website.

### FUJIFILM Tether Shooting Plug-in PRO for Adobe® Photoshop® Lightroom® Classic CC / 6

When installed on your computer, connected to the camera by cable or wirelessly, this plug-in offers the functions of saving photographs on the computer as you shoot, controlling the camera from the computer and providing live-view on the computer screen.

### HS-V5 for Windows®

When installed on your computer, connected to the camera by cable or wirelessly, this software offers the functions of automatically transferring photographs to the computer as you shoot, and saving them to a specified folder, as well as displaying saved images on the computer screen, analyzing them and organizing them.

## RAW processing

The environment for processing RAW files has been enhanced to support professional workflow and facilitate advanced image creation. The X-H1 offers in-camera RAW processing functionality, which is useful in active and minimal working conditions, as well as supporting the following software:



### NEW FUJIFILM X RAW STUDIO\*

Fujifilm's own RAW processing software. It uses the camera's built-in processing engine "X Processor Pro" for fast RAW development, and provides a RAW processing environment optimized for the X Series, e.g. color reproduction using Film Simulation modes.

### RAW FILE CONVERTER EX 2.0 powered by SILKPIX\*

Free RAW processing software. You can select a Film Simulation mode of your choice during RAW processing to apply the effect.

### Adobe® Photoshop® Lightroom®

Software that facilitates delicate adjustments and bold editing. Film Simulation effects can be also applied to your images in the software.

### In-camera RAW processing function

Functionality to process RAW files in camera. Film Simulation effects can be also applied to your images in the function.

\*Download from FUJIFILM website for free

# CONNECTIVITY

## Remote shooting

The X-H1 supports remote shooting, using a smartphone or tablet\*. You can use your smart device to check preview, control shooting settings, and view / transfer photographs taken.

\* You must install the free app "FUJIFILM Camera Remote" on your smart device to use this function.



## Wireless communications

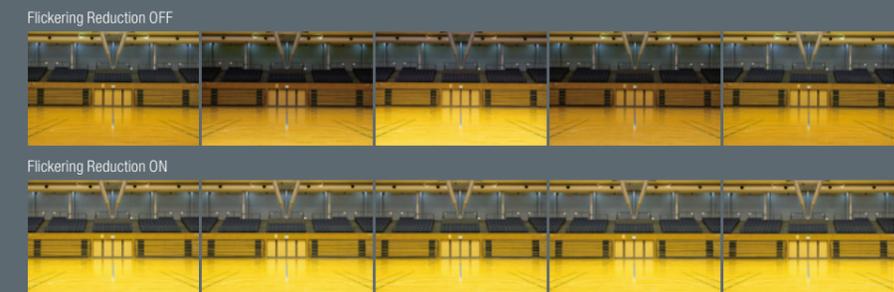
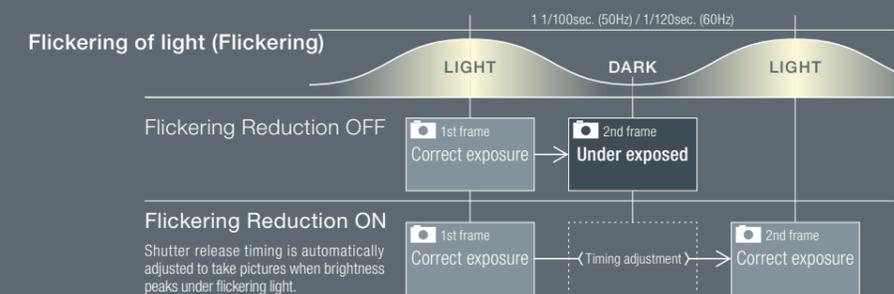
The X-H1 can be paired up with a computer, tablet or smartphone via Bluetooth® to maintain constant connectivity for automatic transfer of photographs as you shoot.



# FUNCTION

## Flickering reduction

The X-H1 has the Flickering Reduction function for controlling exposure and color instability caused by flickering of AC-powered fluorescent lights. The function detects light flicker rate and automatically controls shutter timing to coincide with peak brightness, thereby achieving exposure stability in indoor sports photography (except when using the electronic shutter).



# LENS

## SINGLE FOCAL LENGTH LENSES

								
<b>XF14mmF2.8 R</b>	<b>XF16mmF1.4 R WR</b>	<b>XF18mmF2 R</b>	<b>XF23mmF1.4 R</b>	<b>XF23mmF2 R WR</b> (Black / Silver)	<b>XF27mmF2.8</b> (Black / Silver)	<b>XF35mmF1.4 R</b>	<b>XF35mmF2 R WR</b> (Black / Silver)	<b>XF50mmF2 R WR</b> (Black / Silver)
Delivers edge-to-edge sharpness with minimal distortion	Dust and water-resistant design broadens the applications of this fast aperture lens	Compact pancake lens that you can keep with you at all times	Combines creamy bokeh with a natural angle of view	Compact lens delivering premium image quality and a natural angle of view	Lightest lens in the series, perfect for everyday use	Standard lens that is tack sharp even at its widest aperture	Stylish and lightweight standard lens	A mid-telephoto lens in a compact lightweight design

				
<b>XF56mmF1.2 R</b>	<b>XF56mmF1.2 R APD</b>	<b>XF60mmF2.4 R Macro</b>	<b>XF80mmF2.8 R LM OIS WR Macro</b>	<b>XF90mmF2 R LM WR</b>
Laser sharp focus while producing beautiful bokeh	Creamy bokeh produced by the APD filter	Delivers the highest level of image sharpness in the series	A mid-telephoto 1.0x magnification macro lens	Portrait lens with exceptional bokeh at its widest apertures

## ZOOM LENSES

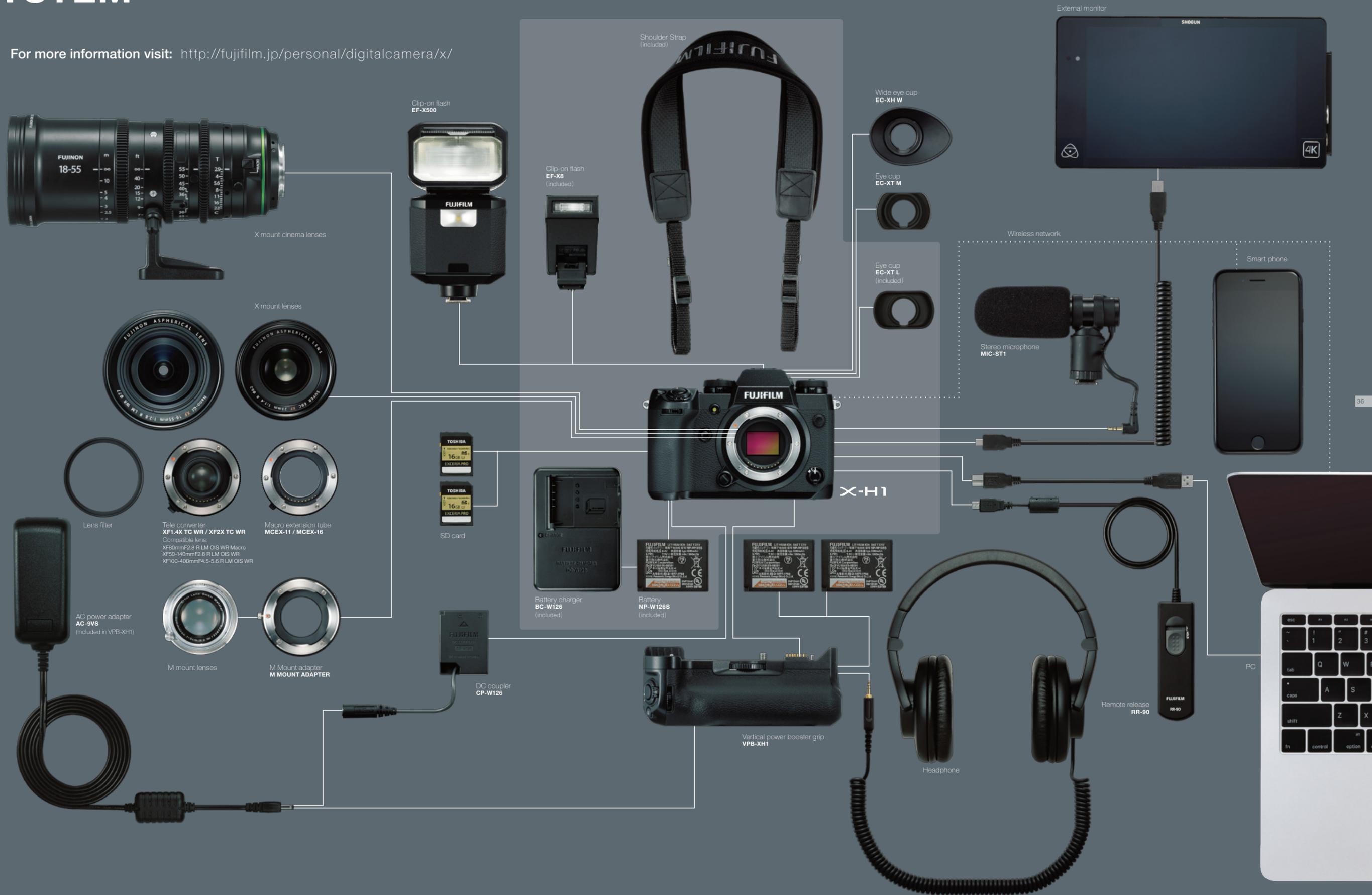
						
<b>XF10-24mmF4 R OIS</b>	<b>XF16-55mmF2.8 R LM WR</b>	<b>XF18-55mmF2.8-4 R LM OIS</b>	<b>XF18-135mmF3.5-5.6 R LM OIS WR</b>	<b>XF55-200mmF3.5-4.8 R LM OIS</b>	<b>XF50-140mmF2.8 R LM OIS WR</b>	<b>XF100-400mmF4.5-5.6 R LM OIS WR</b>
Zoom lens with the constant aperture of F4, making it ideal for indoor shots	Zoom lens with an F2.8 aperture throughout the range for ultimate creativity	Lightweight and compact zoom for mobility	All-weather zoom that's suitable for a wide range of subjects	Smaller and lighter telephoto zoom to take anywhere and everywhere	Ultimate telephoto zoom designed for maximum creativity	Ultra-telephoto zoom with five-stop image stabilization for confident hand-held shots

## XC LENSES ZOOM LENSES

						
<b>XC15-45mmF3.5-5.6 OIS PZ</b> (Black / Silver)	<b>XC16-50mmF3.5-5.6 OIS II</b> (Black / Silver)	<b>XC50-230mmF4.5-6.7 OIS II</b> (Black / Silver)	<b>TELECONVERTER XF1.4X TC WR</b>	<b>TELECONVERTER XF2X TC WR</b>	<b>MOUNT ADAPTER</b>	<b>M MOUNT ADAPTER</b>
A compact lightweight power zoom lens	Well-priced standard zoom with excellent performance	4.6x zoom covering a wide range of shooting options	Enhance the reach of selected XF lenses	Enhance the reach of selected XF lenses	Converts M Mount lenses to the X Mount	

# SYSTEM

For more information visit: <http://fujifilm.jp/personal/digitalcamera/x/>



# SPECIFICATION

Model name	FUJIFILM X-H1
Number of effective pixels	24.3 millions pixels
Image sensor	23.5mm×15.6mm (APS-C) X-Trans CMOS III with primary color filter
Sensor Cleaning system	Ultra Sonic Vibration
Storage media	SD Card (~2GB) / SDHC Card (~32GB) / SDXC Card (~512GB)
File format	Still image: JPEG: Exif Ver.2.3*, RAW: 14bit RAW: (RAF original format) RAW+JPEG Movie: MOV (MPEG-4 AVC / H.264, Audio: Linear PCM / Stereo sound 24bit / 48KHz sampling)
Number of recorded pixels	L [3:2] 6000×4000 [16:9] 6000×3376 [1:1] 4000×4000 M [3:2] 4240×2832 [16:9] 4240×2384 [1:1] 2832×2832 S [3:2] 3008×2000 [16:9] 3008×1688 [1:1] 2000×2000
Lens mount	FUJIFILM X mount
Sensitivity	Standard output: AUTO1, AUTO2, AUTO3, ISO200 - 12800 (1/3 step) Extended output: ISO100 / 125 / 160 / 25600 / 51200
Exposure control	TTL 256-zone metering, Multi / Spot / Average / Center Weighted
Exposure mode	P (Program AE) / A (Aperture Priority AE) / S (Shutter Speed Priority AE) / M (Manual Exposure)
Exposure compensation	Still image: -5.0EV - +5.0EV 1/3EV step Movie: -2.0EV - +2.0EV 1/3EV step
Image Stabilizer	Mechanism: Image sensor shift mechanism with 5-axis compensation Compensation Effect: 5.5 stops (based on CIPA standard. Pitch/yaw shake only. With XF35mmF1.4 R lens mounted).
Shutter type	Focal Plane Shutter
Shutter speed	Mechanical Shutter: P mode: 4sec. to 1/8000sec. A mode: 30sec. to 1/8000sec. S/M mode: 15min. to 1/8000sec. Bulb mode: up to 60min. Electronic Shutter*3: P mode: 4sec. to 1/32000sec. A mode: 30sec. to 1/32000sec. S/M mode: 15min. to 1/32000sec. Bulb mode: 1sec. Fixed Electronic front curtain shutter: P mode: 4sec. to 1/8000sec. A mode: 30sec. to 1/8000sec. S/M mode: 15min. to 1/8000sec. Bulb mode: up to 60min. Mechanical + Electronic shutter: P mode: 4sec. to 1/32000sec. A mode: 30sec. to 1/32000sec. S/M mode: 15min. to 1/32000sec. Bulb mode: up to 60min. E-front + Mechanical shutter: P mode: 4sec. to 1/8000sec. A mode: 30sec. to 1/8000sec. S/M mode: 15min. to 1/8000sec. Bulb mode: up to 60min. *Electronic front curtain shutter works until 1/2000sec. E-front + Mechanical + Electronic shutter: P mode: sec. to 1/32000sec. A mode: 30sec. to 1/32000sec. S/M mode: 15min. to 1/32000sec. Bulb mode: up to 60min. *Electronic front curtain shutter works until 1/2000sec. Synchronized shutter speed for flash: 1/250sec. or slower
Continuous shooting	Approx. 14fps [Only electronic shutter] (JPEG: 40 frames Lossless compression RAW: 27 frames Uncompressed RAW: 23 frames) Approx. 11fps [with VPB-XH1] (JPEG: 70 frames Lossless compression RAW: 28 frames Uncompressed RAW: 24frames) Approx. 8fps (JPEG: 80 frames Lossless compression RAW: 31 frames Uncompressed RAW: 26 frames) Approx. 6fps [Only electronic front curtain shutter] (JPEG: endless Lossless compression RAW: 35 frames Uncompressed RAW: 28 frames) Approx. 5fps (JPEG: endless Lossless Compression RAW: 37 frames Uncompressed RAW: 29 frames) *Recordable frames depends on recording media *Speed of continuous shooting depends on shooting environment and shooting frames
Auto bracketing	AE Bracketing (±3EV, ±8/3EV, ±7/3EV, ±2EV, ±5/3EV, ±4/3EV, ±1EV, ±2/3EV, ±1/3EV) Filmsimulation Bracketing (Any 3 types of film simulation selectable) Dynamic Range Bracketing (100%, 200%, 400%) ISO sensitivity Bracketing (±1/3EV, ±2/3EV, ±1EV) White Balance Bracketing (±1, ±2, ±3)
Focus	Mode: Single AF / Continuous AF / MF Type: Intelligent Hybrid AF (TTL contrast AF / TTL phase detection AF) AF frame selection: Single point AF: EVF / LCD: 13×7 / 25×13 (Changeable size of AF frame) Zone AF: 3×3 / 5×5 / 7×7 from 91 areas on 13×7 grid Wide/Tracking AF: (up to 18 area) *AF-S: Wide / AF-C: Tracking All
White balance	Automatic Scene recognition / Custom1-3 / Color temperature selection (2500K-10000K) / Preset: Fine, Shade, Fluorescent light (Daylight), Fluorescent light (Warm White), Fluorescent light (Cool White), Incandescent light, Underwater
Self-timer	10sec. / 2sec.
Interval timer shooting	Yes (Setting: Interval, Number of shots, Startinng time)

Flash modes	SYNC. MODE	1ST CURTAIN / 2ND CURTAIN / AUTO FP(HSS)
	FLASH MODE	TTL (FLASH AUTO / STANDARD / SLOW SYNC.) / MANUAL / COMMANDER / OFF (When EF-X8 is set)
Hot shoe	Yes (Dedicated TTL Flash compatible)	
Viewfinder	0.5 inch approx. 3.69 millions dots OLED Color Viewfinder Coverage of viewing area vs. capturing area: approx. 100% Eyepoint: approx. 23mm (from the rear end of the camera's eyepiece) Diopter adjustment: -4 - +2m <sup>-1</sup> Magnification: 0.75x with 50mm lens (35mm equivalent) at infinity and diopter set to -1.0m <sup>-1</sup> Diagonal angle of view: approx. 38° (Horizontal angle of view: approx. 30°) Built-in eye sensor	
LCD monitor	3.0 inch, aspect ratio 3:2, approx. 1.04 millions dots touch screen color LCD monitor(approx. 100% coverage)	
Movie recording	[4K (4096×2160)] 24p / 23.98p 200Mbps / 100Mbps / 50Mbps up to approx. 15min. [4K (3840×2160)] 29.97p / 25p / 24p / 23.98p 200Mbps / 100Mbps / 50Mbps up to approx. 15min. [Full HD (2048×1080)] 24p / 23.98p 100Mbps / 50Mbps up to approx. 20min. [Full HD (1920×1080)] 59.94p / 50p / 29.97p / 25p / 24p / 23.98p 100Mbps / 50Mbps up to approx. 20min. [Full HD (1920×1080) High speed rec.] 120p / 100p 200Mbps up to approx. 6min. [HD (1280×720)] 59.94p / 50p / 29.97p / 25p / 24p / 23.98p 50Mbps up to approx. 30min. *For recording movies, use a card with UHS Speed Class 3 or higher. *With Vertical Power Booster Grip attached, individual movie recording time is extended up to approx. 30min. on both 4K and Full HD mode. *Although movie recording will continue without interruption when the file size reaches 4GB, subsequent footage will be recorded to a separate file which must be viewed separately.	
Film simulation mode	16 modes (PROVIA/Standard, Velvia/Vivid, ASTIA/Soft, Classic Chrome, PRO Neg.Hi, PRO Neg.Std, Black & White, Black & White+Ye Filter, Black & White+R Filter, Black & White+G Filter, Sepia, ACROS, ACROS+Ye Filter, ACROS+R Filter, ACROS+G Filter), ETERNA/Cinema	
Grain effect	STRONG, WEAK, OFF	
Dynamic range setting	AUTO, 100%, 200%, 400% ISO restriction (DR100%: No limit, DR200%: ISO400 or more, DR400%: ISO800 or more)	
Advanced filter	Toy camera, Miniature, Pop color, High-key, Low-key, Dynamic tone, Soft focus, Partial color (Red / Orange / Yellow / Green / Blue / Purple)	
Wireless transmitter	Standard	IEEE802.11b/g/n (standard wireless protocol)
	Encryption	WEP / WPA / WPA2 mixed mode
	Access mode	Infrastructure
Bluetooth®	Standard	Bluetooth Ver. 4.0(Bluetooth low energy)
	Operating frequency	2 - 2480MHz (Center frequency)
Terminal	Digital interface	USB3.0 (High-Speed) / micro USB terminal *connectable with Remote Release RR-90 (sold separately)
	HDMI output	HDMI micro connector (Type D)
	Other	ø3.5mm, stereo mini connector (Microphone) / ø2.5mm, Remote Release Connector Hot shoe, Synchronized terminal
Power supply	NP-W126S Li-ion battery (included)	
	Battery life for still images*4	Approx. 310frames (Normal Mode) When XF35mmF1.4 R is set.
	Actual battery life of movie capture*4	[4K] approx. 35min. [Full HD] approx. 45min.
	Continuance battery life of movie capture*4	[4K] approx. 45min. [Full HD] approx. 75min.
Dimensions	(W) 139.8mm × (H) 97.3mm × (D) 85.5mm (minimum depth 39.5mm)	
Weight	Approx. 673g (including battery and memory card) Approx. 623g (excluding battery and memory card)	
Operation Environment	Operating Temperature	-10°C~+40°C
	Operating Humidity	10%~80% (no condensation)
Starting up period	Approx. 0.4sec.	
Accessories included	Li-ion battery NP-W126S, Battery charger BC-W126, Shoe-mount flash unit EF-X8, Shoulder strap, Body cap, Strap clip, Protective cover, Clip attaching tool, Hot shoe cover, Vertical Power Booster Grip connector cover, Sync terminal cover, Cable protector, Owner's manual	

\*1 Please see the Fujifilm website ([http://www.fujifilm.com/support/digital\\_cameras/compatibility/card/x/](http://www.fujifilm.com/support/digital_cameras/compatibility/card/x/)) to check memory card compatibility. \*2 Exif 2.3 is a digital camera file format that contains a variety of shooting information for optimal printing. \*3 The Electronic Shutter may not be suitable for fast-moving objects. Flash can not be used. \*4 Approximate number of frames or movie recording time that can be taken with a fully-charged based on CIPA Standard.

