

**FUJIFILM**  
Value from Innovation



**X**

COMPLETE GUIDE



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# X-T4

Photography in Motion

- X-Trans™ CMOS 4 & X-Processor 4
- Precise Tracking and Fast AF Performance • In-Body Image Stabilization • New Battery NP-W235
- Full HD 240p High Speed Recording
- Optional Vertical Battery Grip • Weather Resistant Structure

\* X-Trans is a trademark or registered trademark of FUJIFILM Corporation.

# X-Pro3

PURE PHOTOGRAPHY



- X-Trans™ CMOS 4 sensor & X Processor 4 • Advanced Hybrid Viewfinder
- 1/8000 sec. Mechanical Shutter • Weather resistant structure

\* X-Trans is a trademark or registered trademark of FUJIFILM Corporation.

# X-H1

SHOOTING MOMENTS, MAKING STORIES.



# X100V

The One and Only



- X-Trans™ CMOS III & X-Processor Pro • Improved AF Performance
- AF-C Custom Setting • EVF (Magnification ratio 0.75x 3.6M-dot, Shutter time lag 0.005 sec, 100fps live-view)
- 4K Video Recording • Optional Vertical Power Booster Grip • Weather resistant structure

\* X-Trans is a trademark or registered trademark of FUJIFILM Corporation.

- Advanced Hybrid Viewfinder • 23mmF2 wide angle prime lens with Leaf Shutter
- X-Trans™ CMOS 4 & X-Processor 4 • Film Simulation Classic Neg.
- Weather resistance with the optional AR-X100 adapter ring and PRF-49S protection filter

\* X-Trans is a trademark or registered trademark of FUJIFILM Corporation.



# X-S10

Your Style, our Color

- X-Trans™ CMOS 4 sensor & X Processor 4
- In-Body Image Stabilization
- Enhanced AF performance
- 4K Video Recording
- Full HD 240p High Speed Recording

\* X-Trans is a trademark or registered trademark of FUJIFILM Corporation.



the Little GIANT

# X-T30

- 2.36M-dot OLED electronic viewfinder
- 1.04M-dot Tilting LCD & Touch Screen Monitor
- 4K Video Recording
- X-Trans™ CMOS 4 sensor & X Processor 4

\* X-Trans is a trademark or registered trademark of FUJIFILM Corporation.



# X-E3

MINIMALISM

- X-Trans™ CMOS III with primary color filter
- New Full Auto Mode
- New AF Zone and Wide/Tracking modes
- 3.0-inch 1,040K-dot LCD
- Compact and lightweight body

\* X-Trans is a trademark or registered trademark of FUJIFILM Corporation.



# X-T200

Enhance your stories

- Compact & Classic body
- 24.2mpx APS-C Image Sensor
- 4K/29.97P Movie Recording
- 3.5-inch/16:9 Aspect Touch-screen Vari-Angle Monitor



X-E3 : F5.6 1/1800 sec. ISO800 **Pascal Xicluna / France**

## XF14mmF2.8 R

High resolving power across the frame from the centre to the edges.

This ultra-wide-angle lens, which has a diagonal angle of view greater than 90°, produces extraordinary images. Distortion has been kept to a measured value of zero, with sharpness right across the frame, even when the subject is near the edges. Ideally suited to landscape and architectural photography, the minimum working distance of 18cm also enables close-up shots. Plus, the distance indicator and depth-of-field scale for pre-focusing in MF mode mean it's great for quick snapshots, too.

## XF16mmF2.8 R WR

Compact ultra wide-angle lens with fast AF performance for casual snapshots

This lens is a wide angle lens that consists of 10 lens elements in 8 groups, including two aspherical lens elements, to effectively control field curvature and spherical aberration for an advanced level of image sharpness across the frame. Its inner-focus AF system uses a stepping motor to drive the focusing group of lens elements for silent and fast autofocus. The compact lens weighs just 155g and weather resistant.



X-Pro2 : F2.8 1/500 sec. ISO200  
**Jonas Dyhr Rask / Denmark**



X-E3 : F2 1/40 sec. ISO1250 **Mindy Tan / Singapore**

## XF16mmF1.4 R WR

Fast aperture ultra wide-angle lens  
A dramatic field of view to push your photography further.

With a focal length of 24mm (35mm format equivalent) and a maximum aperture of F1.4, this lens can be used to create dynamic images. It's perfect for low-light photography such as evening or night scenes, and despite being a wide-angle lens, the F1.4 maximum aperture delivers strong bokeh effects. With a minimum working distance of 15cm, high-speed autofocus, a weather and dust-resistant construction that can work in temperatures as low as -10°C, and great portability thanks to its compact size, it offers endless shooting opportunities.

## XF18mmF2 R



X-T10 : F2 1/25 sec. ISO400 Riley Joseph / Canada

A great all-rounder with a useful field of view, great sharpness and rich tonality for perfect landscapes and portraits.

This highly portable, easy-to-handle wide-angle lens has a field of view equivalent to 27mm in the 35mm film format so it's perfect for landscapes, general snapshots and, by virtue of the 18cm minimum focusing distance, close-ups. The outstanding sharpness, combined with the maximum aperture of F2 for silky bokeh also makes it suitable for portraiture; the lens' small size means your subjects won't feel intimidated.

## XF23mmF1.4 R

A fast aperture lens that offers beautiful bokeh and has a natural field of view that's great for documentary images.

This wide-angle lens is perfect for capturing everyday life. The field of view equivalent to 35mm in the 35mm film format captures both subject and its surroundings for superb documentary images and despite offering a fast maximum aperture of F1.4, it weighs just 300g. It is also ideal for portraiture with smooth bokeh, hand-held shots in low light, and close-ups of food and small accessories when used with the camera's Macro mode. Using the distance indicator and depth-of-field scale to pre-focus in MF mode makes it ideal for capturing quick snaps, too.



X-Pro2 : F2.8 1/120 sec. ISO400 Gathot Subroto / Indonesia

## XF23mmF2 R WR



Expanding the compact, lightweight, stylish and high-performance lenses for the X Series

The XF23mmF2 R WR is a semi wide-angle lens with advanced image resolution, capable of drawing out the full performance of Fujifilm's proprietary X-TRANS CMOS sensor. It has a similar size and design flair of the existing XF35mmF2, already released, to make up a stylish collection of compact F2 lenses. The inner-focus AF system uses a stepping motor\*1 to drive the focusing group of lens elements for silent and fast autofocus.

\*1 The type of motor that rotates only at a fixed angle in response to an electrical pulse signal, and is used in precision positioning.

X-H1 : F2 1/15 sec. ISO1600 **Klaus Bo / Denmark**

## XF27mmF2.8

At just 78g, this is the lightest lens in the X-series.

Use it with a compact and lightweight camera for the perfect 'go anywhere' outfit.

A highly versatile lens, with a focal length equivalent to 41mm in the 35mm film format. It produces extremely sharp images even at its maximum aperture, despite its compact form factor. AF performance is also exceptional. Combine it with a compact and lightweight camera body, such as the X-M1, to create a system that combines portability and fast response – perfect not only for snapshots, but also a range of other subjects including portraits, landscape and architecture.

X-E3 : F4 1/500 sec. ISO200 **Knut Koivisto / Sweden**

## XF35mmF2 R WR



The new standard prime lens, high performance in a compact lightweight design.

A standard focal length prime lens which delivers sharp images with rich bokeh. The optical construction of 9 elements in 6 groups, including two aspherical elements, achieves the perfect balance of high image quality and compact size. The exterior of the lens is weather and dust-resistant and it can work in temperatures as low as -10°C. Ideal for any scene and application, this is the new standard lens for all photography fans

X-Pro2 : F2 1/80 sec. ISO640 **Max De Martino / Italy**

## XF35mmF1.4 R

A high-performance standard lens with incredible definition, even when shooting wide open.

This lens delivers images with amazing clarity, even with the aperture wide open at F1.4. All the lens groups are shifted together during focusing to minimize aberration changes whether working close-up or at infinity. This unique design delivers images in which the focus is blended with smooth bokeh in out of focus areas. Offering a focal length equivalent to 53mm in the 35mm film format, it is a must-have optic for all X-Series owners.

X-T2 : F5.6 1/100 sec. ISO100  
**Mia Galde / Sweden**



## XC35mmF2

Compact and lightweight standard prime.

Weighing just 130g and measuring 46.5mm in length, this new prime lens has nine elements including two aspherical lens elements in six groups, producing sharp and crisp images. The lens produces creamy bokeh while offering excellent portability and high-speed AF.





## XF50mmF1.0 R WR



X-T4 : F1.1 1/4000 sec. ISO160 **Doruk Seymen / Turkey**

The world's first AF-capable F1.0 interchangeable lens for mirrorless digital cameras

The FUJINON XF50mmF1.0 R WR will allow you to experience sharpness like you have never seen before. Free from vignetting and the ability to control aberrations, creates precision with extremely creamy bokeh. Auto focus on this F1.0 lens is effortless and the weather resistance removes any concerns that elements can cause. The XF50mmF1.0 R WR is a powerful lens that will change the way you capture the world.

## XF56mmF1.2 R APD / XF56mmF1.2 R



X-H1 : F4 1/125 sec. ISO200 **Putra Djohan / Indonesia**

A fast aperture medium-telephoto lens that offers both stunning sharpness and beautiful bokeh.

Featuring a maximum aperture of F1.2, this lens delivers beautiful bokeh and a medium telephoto focal length equivalent to 85mm in the 35mm film format. Images are extremely sharp even with the aperture wide open. The apodization (APD) version delivers even smoother bokeh with rich tonality. This ability to produce the ultimate bokeh so your subject stands out makes this lens ideal for portraits, as well as a range of other subjects.

## XF50mmF2 R WR



A mid-telephoto lens with high-speed AF, advanced sharpness and weather resistance-ideal for portraiture and everyday use.

A mid-telephoto lens that delivers the very best results from Fujifilm's unique X-TRANS CMOS sensor. Its compact and lightweight design features 9 elements in 7 groups, including one aspherical ED lens, and has an inner focusing system, driven by a stepping motor for fast and silent autofocusing. Metal parts are used extensively on the exterior for a stylish, robust design with a premium feel, while the aperture and focusing rings have been designed to be comfortable and easy to use. The lens is also weather and dust resistant, and operates in temperatures as low as -10°C, making it ideal for shooting in a variety of conditions.

X-E3 : F2 1/12000 sec. ISO400 **Pawel Kosicki / Poland**

## XF60mmF2.4 R Macro



A supremely sharp medium telephoto macro lens with a minimum working distance of 26.7cm and 0.5x maximum magnification.

This medium telephoto lens produces outstanding macro images. The use of one aspherical and one extra-low dispersion element effectively controls various aberrations, such as field curvature and chromatic aberration, plus from the lens groups are shifted together during focusing to achieve the highest level of sharpness in the X-series line up. As well as being perfect for close-ups, it can also be used for many other medium telephoto applications, with the F2.4 maximum aperture delivering smooth bokeh.

X-T2 : F2.2 1/160 sec. ISO200 **Simone Sbaglia / Italy**

## XF80mmF2.8 R LM OIS WR Macro

1.0x magnification macro lens, supports hand-held shooting with advanced Optical Image Stabilizer system.

A mid-telephoto macro lens that delivers the very best results from X-TRANSTM CMOS sensor. With an optical construction of 16 elements in 12 groups, including 1 aspherical lens, 1 Super ED lens, and 3 ED lenses, along with a Floating Focus System, this lens is capable of achieving high-quality macro shooting from close-up to long shots. Furthermore, this lens supports hand-held shooting thanks to Optical Image Stabilizer system suppressing shift shake. The lens also achieves fast and silent Auto Focus system by adopting linear motors.



X-H1 : F16 1/200 sec. ISO100 **Yunfeng Du / China**

## XF200mmF2 R LM OIS WR

It boasts exceptional image clarity with the ability to produce beautiful bokeh, making it an ideal lens for shooting sports and wildlife

The XF200mmF2 R LM OIS WR is the first super-fast telephoto lens in the XF lens lineup, offering a fast maximum f-stop of 2.0 and a focal length equivalent to 305mm in 35mm film format. Taking advantage of technologies synonymous with FUJINON lenses, this new telephoto lens boasts exceptional image clarity with the ability to produce beautiful bokeh, making it the perfect choice for shooting sports and wildlife.

X-H1 : F2.2 1/640 sec. ISO250 **John Rourke / UK**

## XF90mm F2 R LM WR

Fast aperture telephoto lens: it delivers razor-sharp, bokeh-rich images for the ultimate optical performance.

The rounded aperture blades combined with an optical construction of 11 elements in 8 groups, including three ED (extra low-dispersion) elements designed to minimise vignetting, creates beautiful circular bokeh right to the edge of the image. At approx. 540g, the lens is compact, portable and offers a wide shooting range from 0.6m to infinity. Thanks to the newly developed Quad Linear Motor, it delivers high-speed autofocus, and features a weather and dust-resistant construction for maximum versatility.

X-T1 : F2 1/50 sec. ISO200  
**Pål Laukli / Norway**





## XF8-16mm F2.8 R LM WR

Ultra-wide angle zoom with a constant maximum aperture of F2.8

The lens' outstanding edge-to-edge image-resolving performance and F2.8 maximum aperture makes this product a perfect choice for landscape and architecture photography with an emphasized sense of perspective, interior photography at restaurants and hotels, as well as nightscape and astrophotography.

X-T2 : F2.8 30 sec. ISO4000 **Bin Zhang / China**

## XF16-55mm F2.8 R LM WR

Offering image quality, versatility and reliability, this is the perfect standard zoom lens.

A premium lens that combines the convenience of a zoom with image quality on par with prime lenses. Featuring a maximum aperture of F2.8 across its zoom range, it delivers edge-to-edge sharpness, even on the wide angle end. The newly-developed Nano GI coating controls ghosting and flare, while the focal lengths equivalent to 24mm to 84mm in the 35mm film format cover a wide range of shooting options, including landscapes and portraits. Furthermore, the dust-resistant, splash-resistant and low-temperature resistant design means it can be relied on to produce great results in a wide range of conditions.

X-H1 : F2.8 1/500 sec. ISO6400  
**Daniel Malikiyar / UK**



X-T4 : F4 1/15 sec. ISO1000 **Kankavee Kanjanadecha / Thailand**

## XF10-24mm F4 R OIS WR

A new ultra-wide angle zoom with weather resistance

The XF10-24mm F4 R OIS WR is an ultra-wide zoom lens covering focal lengths from 10mm to 24mm (equivalent to 15mm – 36mm in the 35mm format). Updated with an f-stop scale on its aperture ring, an Auto-position lock, and a new weather-resistant structure, this updated lens is sure to be a top choice among landscape and nature photographers who need an ultra-wide angle lens to withstand the elements.



## XF50-140mmF2.8 R LM OIS WR

Packing a premium optical performance,  
yet weighing less than 1kg,  
this rugged telephoto zoom is ready for anything.

With a telephoto range equivalent to 76mm to 213mm in the 35mm film format this lens, which offers a constant F2.8 maximum aperture, is suitable not only for portraiture, but also for fast-moving subjects such as sports, animals, and more. It features six ED elements, including one Super ED lens element, for superb results. An image stabilization system equivalent to five shutter speed stops is also featured for shake-free results, while the triple-linear AF motor maximises focusing performance. The dust-resistant, splash-resistant and low-temperature resistant design also ensures it can be used in almost any shooting conditions.

X-T3 : F11 1/2 sec. ISO80 **Scott Grant / Canada**

## XF16-80mmF4 R OIS WR

Standard zoom lens features 6.0 stops OIS,  
that you can comfortably shoot in a wide variety of  
situations from a night scene or indoors  
without worrying about camera shake.

This new lens has a maximum aperture value of F4 throughout the focal length of 16-80mm (equivalent to 24-122mm in the 35mm film format). This lens has a minimum shooting distance of 35cm over the entire zoom range, which gives a maximum shooting magnification of 0.25x. The compact and lightweight lens weighs only 440g which is approximately 40% lighter than an equivalent lens for a 35mm format system.



X-E3 : F2.8 1/180 sec. ISO400 **ADE / China**

## XF18-55mmF2.8-4 R LM OIS

A compact, lightweight standard zoom lens covering a popular focal range.

This standard zoom lens covers the most frequently-used focal lengths, equivalent to 27mm to 84mm in the 35mm film format. Despite its extremely light weight and compact design it offers a variable maximum aperture of F2.8 to F4 and uses a linear motor for fast and silent AF. Image stabilization is also provided for great results in low light conditions. Suitable for a wide range of subjects, this highly portable and easy to use lens produces great sharpness and beautiful bokeh at the same time.



X-E3 : F9 1/250 sec. ISO200 **Darren Brogan / UK**

## XC15-45mmF3.5-5.6 OIS PZ

Minimal and lightest as the interchangeable zoom lens for "X series".

This achieves high-resolution images while maintaining a compact size 44.2mm and lightweight mass of 135 g. The optical design incorporates 10 lenses in 9 groups, including three aspherical lenses and two ED lenses. It covers the focal length equivalent to the wide angle 23 mm to the medium telephoto 69 mm and can be comfortably used for landscape photography and portrait photography.

## XF55-200mmF3.5-4.8 R LM OIS



X-H1 : F16 1/500 sec. ISO200 **Heinz Zak / Austria**

Bring your subjects closer with this highly portable telephoto zoom.

This telephoto zoom covers focal lengths equivalent to 84mm to 305mm in the 35mm film format and has a fast aperture of F3.5 to F4.8 despite its portable size. Optically, it uses a Super ED lens element, which is comparable to a fluorite lens, to thoroughly eliminate chromatic aberration and deliver outstanding picture quality. Sharp and clear images are obtained throughout its zoom range, even with the aperture wide open. The HT-EBC coating maintains strong contrast even against backlight, while the image stabilization function – equivalent to 4.5 shutter speed stops – and fast autofocus with the linear motor ensure shooting is quick and easy.

## XC50-230mmF4.5-6.7 OIS II

An advanced optical performance and 3.5-stop image stabilization deliver clear images across the zoom range.

This is a compact and lightweight telephoto zoom lens that offers zoom magnification of 4.6x, and covers the widest range of focal lengths in the series, equivalent to 76mm to 350mm in the 35mm film format. Its advanced optical performance across the entire range captures even distant subjects with great clarity, plus the image stabilization function minimizes camera shake. The use of a stepper motor enables smooth autofocus.

## XF100-400mmF4.5-5.6 R LM OIS WR

High performance all weather zoom lens with 5.0-stop image stabilization function that allow hand-held shots even at super-telephoto range.

Super telephoto zoom lens covers the range of 152 – 609mm (35mm format equivalent). To minimize the color aberration, a typical problem for a telephoto lens, the optical construction comprises 21 elements in 14 groups with 5 ED Lens and 1 super ED Lens. The lens achieves highest image quality in its class. The lens supports the photographer to shoot super-telephoto images hand-held with the 5.0-stop optical image stabilization, quiet high-speed autofocus driven by the linear motor, and compact and lightweight design weighing less than 1.4kg. In addition to the weather- and dust-resistant, and -10°C low-temperature operation construction, the front element is applied with water and dirt repellent coating to make the lens even tougher.

X-H1 : F5 1/800 sec. ISO200 **Martin Farkas / Slovakia**



## XF18-135mmF3.5-5.6 R LM OIS WR

Featuring five stops of optical image stabilization, this all-weather zoom lens covers wide angle to telephoto focal lengths so you can seize every photo opportunity.

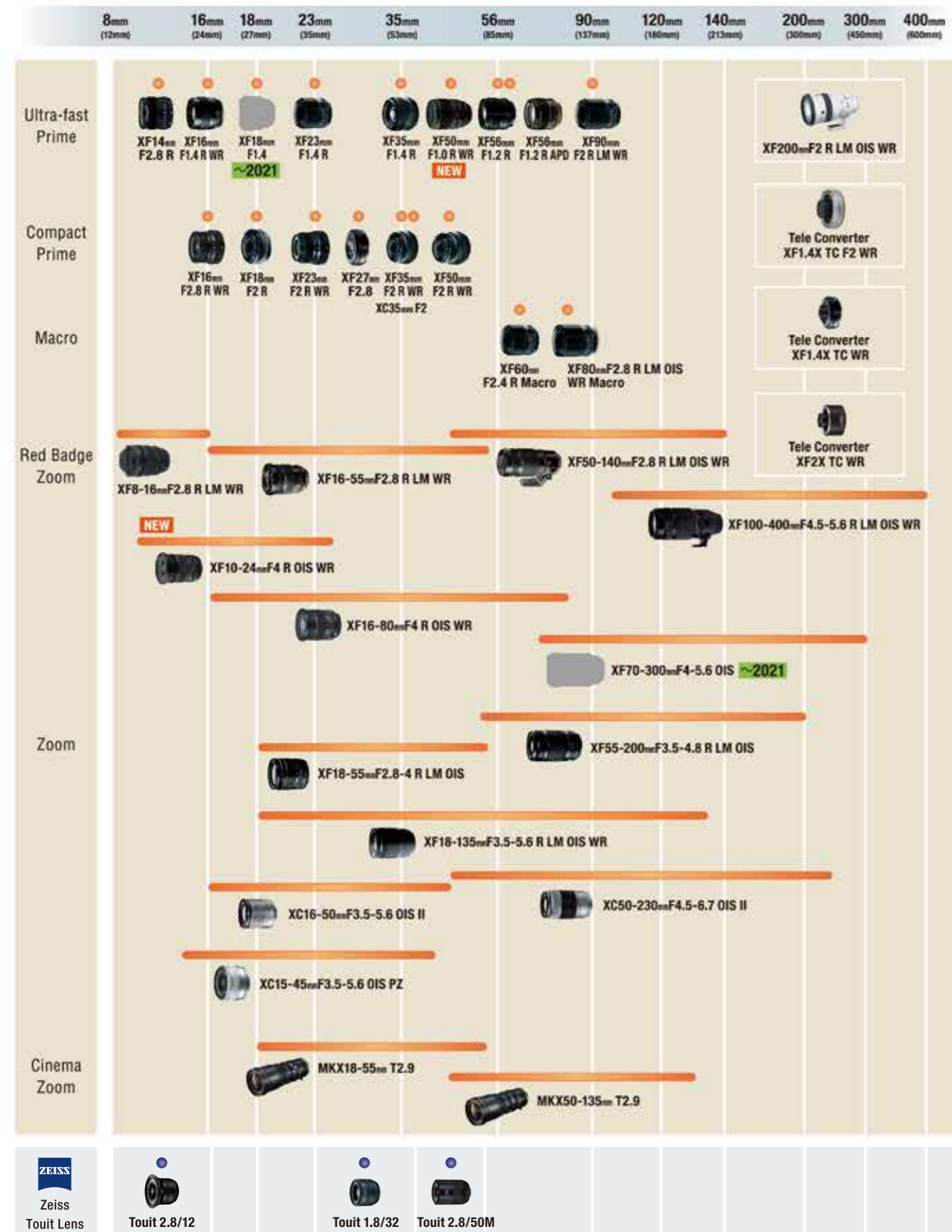
This lens covers a wide range of focal lengths, from wide-angle (equivalent to 27mm in the 35mm film format) through a standard field of view to telephoto, so it's suitable for anything from landscapes and architecture to portraits and sports photography. The dust-resistant and splash-resistant lens also features an image stabilization function for added reliability. An ideal alternative to prime lenses, ensuring you'll never miss a shot through changing lenses.



X-T1 : F5.6 1/420sec. ISO200 **Faruk Akbas / Turkey**

# X MOUNT Lens Roadmap

The combination of FUJINON lenses and X Series bodies delivers exceptional image quality.



Focal length (35mm format equiv.) / The roadmap is as of February, 2020. / Specifications are subject to change. / MK Lens is for cinema application

## ZEISS Autofocus Lenses for X Mount

Renowned ZEISS Touit lenses match perfectly with the Fujifilm X Mount System.

Find more information about these lenses at

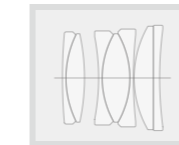
<http://www.zeiss.com/>

# X Accessories

## Tele Converter

Extend the focal length by 1.4x and 2.0x without compromising image quality

### XF1.4X TC WR

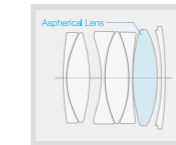


· Approx. Ø58mm x 15mm  
· Approx.130g



Compatible with :  
XF80mmF2.8 R LM OIS WR Macro/  
XF50-140mmF2.8 R LM OIS WR/  
XF100-400mmF4.5-5.6 R LM OIS WR

### XF1.4X TC F2 WR

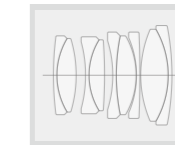


· Approx. Ø58mm x 15mm  
· Approx.130g



Compatible with :  
XF80mmF2.8 R LM OIS WR Macro/  
XF50-140mmF2.8 R LM OIS WR/  
XF100-400mmF4.5-5.6 R LM OIS WR/  
XF200mmF2 R LM OIS WR

### XF2X TC WR



· Approx. Ø58mm x 30.2mm  
· Approx.170g



Compatible with :  
XF80mmF2.8 R LM OIS WR Macro/  
XF50-140mmF2.8 R LM OIS WR/  
XF100-400mmF4.5-5.6 R LM OIS WR

## Tele Conversion Lens

**TCL-X100S II** (Silver)  
**TCL-X100B II** (Black)  
Compatible with:  
X100V/X100T/X100F



## Wide Conversion Lens

**WCL-X100S II** (Silver)  
**WCL-X100B II** (Black)  
Compatible with:  
X100V/X100T/X100F



## M Mount Adapter

The M Mount adapter lets you use an incredibly wide selection of lenses with an X Mount-equipped camera body. Made from the same high-grade metal material used in X Mount cameras and the XF lens X Mount, the adapter is engineered to ensure a high-precision fit. It also features electronic contacts for communicating signals with the camera body and a function button that lets users smoothly choose settings and functions for the mounted lens (Shoot Without Lens, focal length settings, various image corrections, etc.) \*1 Also in the case of the X-Pro1, the bright frame in the Optical Viewfinder mode changes according to the lens focal length setting for easy shooting.\*2



Compatible with:  
X-H1/X-Pro2/X-Pro1/X-T3/X-T2/X-T1/X-T30/X-T20/X-T10/X-T100/X-E3  
X-E2S/X-E2/X-E1/X-M1/X-A5/X-A3/X-A2/X-A1/X-A20/X-A10

\*1 X-Pro1 requires firmware version 1.11 or higher.  
\*2 The bright frame may not be displayed for lenses with certain focal lengths.

## Macro Extension Tube

Fits between camera body and interchangeable lens to enable macro photography at a higher magnification ratio. Available in 11mm and 16mm, depending on the level of magnification required.



MCEX-11

MCEX-16



XF35mmF1.4 R (x0.17)



XF35mmF1.4 R with MCEX-11 (x0.47)



XF35mmF1.4R with MCEX16 (x0.61)

# Shoe Mount Flash

Expression of Light



**EF-60**

FUJIFILM's first,  
radio controlled  
wireless clip-on flash

**EF-W1**

A commander  
that broadens  
the field of creativity



**EF-X500**

High Speed Sync &  
Multi Flash Lighting  
Compatibility



**EF-X20**

Compact & Stylish,  
Manipulation of Light  
with Intuitive Dial Operation



EF-60 GFX 100 : F5.6 1/1000 sec. ISO400 Leo Pan / China



EF-60 X-T4 : F2.8 1/125 sec. ISO200 Ioannis Tsouloulis / Belgium



# Shoe Mount Flash



**EF-X500** X-Pro2 : XF16-55mmF2.8 R LM WR F2.8 1/125 sec. ISO400 Bert Stephani / Belgium



**EF-X20** X70 : 18.5mm F8 1/4 sec. ISO1600 Bert Stephani / Belgium

Specifications		EF-60	EF-X500	EF-X20	
<b>Type</b>	Type	SHOE MOUNT FLASH	SHOE MOUNT FLASH	SHOE MOUNT FLASH	
	Compatible cameras	Fujifilm GFX100, GFX 50S, GFX 50R, X-H1, X-Pro3, X-Pro2, X-T4, X-T3, X-T2, X-T1, X-S10, X-T30, X-T20, X-E3, X100V, X100F Limited features are available for other X series cameras with hot-shoe, FinePix HS20EXR, HS30EXR, and HS50EXR	Fujifilm GFX100, GFX 50S, GFX 50R, X-H1, X-Pro3, X-Pro2, X-T4, X-T3, X-T2, X-T1, X-S10, X-T30, X-T20, X-E3, X100V, X100F Limited features are available for other X series cameras with hot-shoe, FinePix HS20EXR, HS30EXR, and HS50EXR	X series cameras with hot-shoe, FinePix HS20EXR, HS30EXR, HS50EXR, SL1000, S1, and SL300	
	Flash head	Guide Number	The maximum Guide No. is approx. 60(ISO100·m)/196.85(ISO100·ft.) *when focal length coverage is set to 200mm in 35mm format	The maximum Guide No. is approx. 60(ISO100·m)/196.85(ISO100·ft.) *when focal length coverage is set to 200mm in 35mm format	The maximum Guide No. is approx. 20(ISO100·m)/65.62(ISO100·ft.)
	Flash coverage	24mm-200mm (in 35mm format) 16mm (in 35mm format) when using built-in diffuser	24mm-105mm (in 35mm format) 20mm (in 35mm format) when using built-in diffuser	28mm (in 35mm format) 20mm (in 35mm format) when using built-in diffuser	
	Bounce angle	Up: 90°, Down: 0°, Left: 180°, Right: 180°	Up: 90°, Down: 10°, Left: 135°, Right: 180°	—	
<b>Exposure Control</b>	Color temperature	Approx. 5,300K (at full flash)	Approx. 5,600K (at full flash)	Approx. 5,600K (at full flash)	
	Flash control modes	TTL, Manual	TTL, Manual, Repeating(Multi)	TTL, Manual	
	TTL flash compensation	From -2.0EV to +2.0EV, in steps of 1/3EV. *Selected value may not be reached depending on shooting conditions	From -5.0EV to +5.0EV, in steps of 1/3EV. *Selected value may not be reached depending on shooting conditions	From -10EV to +1.0EV, in steps of 1/3EV. *Selected value may not be reached depending on shooting conditions *TTL flash compensation may be specified at the camera menu in addition	
	Manual flash power control	1/1-1/256, in step of 1/3EV (flash emission) 1/1-1/32, in step of 1/3EV (FP(HSS) emission)	1/1-1/512, in step of 1/3EV *Some setting may limited when FP(high-speed sync)	1/1-1/64, in step of 1EV	
	Repeating flash power control	—	1/4-1/512, in step of 1/3EV	—	
	FP(high-speed sync.)	Available	Available	—	
<b>Charge</b>	Minimum recycling time	(Full flashing, fully charged) approx. 3 seconds (Ni-MH battery)	(Full flashing, fully charged) approx. 2.5 seconds (Ni-MH batteries)	(Full flashing, fully charged) approx. 5 seconds (Ni-MH batteries)	
	Number of Flashes	(Full flashing, fully charged) approx. 170 flashes (Ni-MH battery)	(Full flashing, fully charged) approx. 170 flashes (Ni-MH batteries)	(Full flashing, fully charged) approx. 90 flashes (Ni-MH batteries)	
<b>Radio Wireless flash control</b>	Type	2.4GHz NAS*1	—	—	
	Wireless options	Remote (TTL, Manual, OFF)	—	—	
	Communication channels	Channel 1 to 8 (Auto is available)	—	—	
	Remote groups	A, B, and C	—	—	
	Compatible commander device	Fujifilm EF-W1, and Nission Air10S	—	—	
<b>Optical Wireless flash control</b>	Type	Optical pulses	Optical pulses	—	
	Wireless options	Remote (TTL, Manual, OFF)	Commander (TTL/Manual/Repeating/OFF) Remote (TTL/Manual/Repeating/OFF)	—	
	Communication channels	Channel 1 to 4	Channel 1 to 4	—	
	Remote groups	A, B, and C	A, B, and C	—	
	Compatible commander device	Fujifilm EF-X500	Fujifilm EF-X500	—	
<b>Other features</b>	Secondary flash function	Available (SD(MODE-P), and SF(MODE-N))	Available (MODE-P(SD), and MODE-N(SF))	Available (MODE-P(SD), and MODE-N(SF))	
	LED Video Light	Available (built-in)	Available (built-in)	—	
	LED AF assist lamp	Available (built-in)	Available (built-in)	—	
	LED eye-catch light	Available (built-in)	Available (built-in)	—	
	Reflector panel	Available (built-in)	Available (built-in)	—	
	Diffuser	Available (Supplied)	Available (Supplied)	—	
	Supplies	Soft case, Mini stand, Diffuser	Soft case, Mini stand, Diffuser	Soft case, Adaptor for setting tripod	
<b>Power source</b>	Power source	4 x AA batteries (Ni-MH battery, LR6 Alkaline battery)	4 x AA batteries (Ni-MH battery, LR6 Alkaline battery)	2 x AAA batteries (Ni-MH battery, LR03 Alkaline battery)	
	External power source	—	BATTERY PACK EP-BP1(Optional) supported	—	
<b>Dimensions - Weight</b>	Dimensions	Approx. 97mm(H) x 73mm(W) x 113mm(D) Approx 3.82 in.(H)x2.87 in.(W)x 4.45 in.(D)	Approx. 124mm(H) x 67.2mm(W)x107.3mm(D) Approx 4.88 in.(H)x2.65 in.(W)x 4.22 in.(D)	Approx. 36.0mm(H)x59.5mm(W)x50.0mm(D)/ Approx 1.42 in.(H)x2.34 in.(W)x 1.97 in.(D)	
	Weight	Approx. 300g/10.58oz. (without battery)	Approx. 380g/13.4oz., (without battery)	Approx. 100g/3.53 oz. (without battery)	

## Remote Release

### RR-100

Compatible with:  
X-H1/X-Pro3/X-Pro2/X-T4/X-T3/X-T2  
X-T1/X-S10/X-T30/X-T20/X-T10/X-T200  
X-T100/X-E3/X-E2S/X-E2/X-E1/X-A7  
X-A5/X100V/X100F/X100T  
X70/XF10/X30



RR-100

## Stereo Microphone

### MIC-ST1

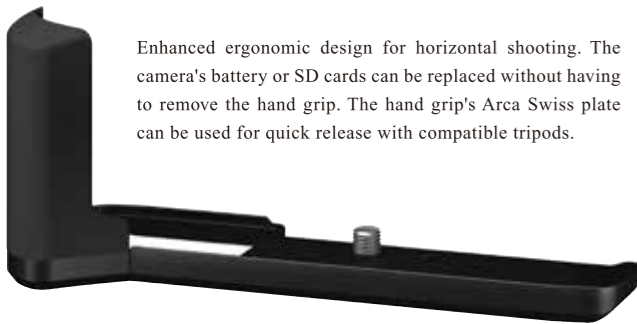
Allows users to set the microphone level while checking the level meter on the camera. It features a 2.5mm jack, and can be fitted with a conversion adapter to connect to supported X Series models. \*The included adapter is required to convert the terminal for camera connection.

Compatible with: X-H1/X-Pro3/X-Pro2  
X-T4/X-T3/X-T2/X-T1/X-S10/X-T30  
X-T20/X-E3/X-E2S/X-A7/XT200/X100V  
X100F/X100T/X30



## Hand Grip

Enhanced ergonomic design for horizontal shooting. The camera's battery or SD cards can be replaced without having to remove the hand grip. The hand grip's Arca Swiss plate can be used for quick release with compatible tripods.



< Metal Hand Grip >

### MHG-XPRO3

Compatible with: X-Pro3

### MHG-E3

Compatible with: X-E3



< Vertical Grip >

### VG-XT4

Compatible with: X-T4

### VBP-XH1

Compatible with: X-H1

### VG-XT4

The vertical battery grip is dust- and moisture-resistant and operates at temperatures as low as minus 10 degrees Celsius. It fits two batteries and, when combined with a third battery in the camera body, delivers up to approx. 1,450 frames in the Normal mode and 1,700 frames in the Economy mode.

Compatible with: X-T4



## Leather Case

### BLC-XE3

This half case, specifically designed for the X-E3, is made from genuine leather for a luxury feel and has a contoured grip for a solid hold. Users can access the SD card and battery without removing the camera from the case, which comes supplied with a wrapping cloth for the camera.

Compatible with: X-E3



### BLC-XM1/BLC-XT10

This half case, specifically designed for the X-M1/ X-T20, is made of genuine leather for a luxury feel. Users can access the SD card and battery, or mount the camera on a tripod without removing the camera from the case.

Compatible with:  
X-T10/X-T20/X-T30

### GB-001

This grip strap gives a more assured hold when fitted to a camera body. It can be combined with a hand grip to achieve an even higher level of stability.

Compatible with:  
X-H1/X-Pro3/X-Pro2/X-T1/X-T2  
X-T3/X-T4/X-S10/X-T30/X-T20/X-E3/X-E2S  
X-A7/X-A5/X-A3/X-T200/X-A20  
X-S1/X100V/X100F



### LC-X100V

Compatible with:  
X100V

## Protector Filter

A clear protection filter with a transmittance rate of over 99.7%. The thin, multi-layer Super EBC coating protects the lens surface without compromising its colour reproduction performance.



< Compatible Lenses and Cameras >

PRF-39	XF27mmF2.8 XF60mmF2.4 R Macro
PRF-43	XF35mmF2 R WR XF23mmF2 R WR
PRF-46	XF50mmF2 R WR
PRF-49S	X100V(AR-X100 required)/X100F(AR-X100 required) X100T(AR-X100 required) X100S(AR-X100 required)/X100(AR-X100 required) X70(LH-X70 required)/XF16mmF2.8 R WR WCL-X100 II
PRF-52	X10(LH-X10 required)/X20(LH-X10 required) X30(LH-X10 required)/XF18mmF2 R XF35mmF1.4 R XC15-45mmF3.5-5.6 OIS PZ
PRF-58	XF14mmF2.8 R XF18-55mmF2.8-4 R LM OIS XC50-230mmF4.5-6.7 OIS II

PRF-62	XF23mmF1.4 R XF56mmF1.2 R /APD XF80mmF2.8 R LM OIS WR Macro XF90mmF2 R LM WR XF55-200mmF3.5-4.8 R LM OIS X-S1
PRF-67	XF16mmF1.4 R WR XF18-135mmF3.5-5.6 R LM OIS WR TCL-X100 II
PRF-72	XF10-24mmF4 R OIS XF10-24mmF4 R OIS WR XF16-80mmF4 R OIS WR XF50-140mmF2.8 R LM OIS WR
PRF-77	XF50mmF1.0 R WR XF16-55mmF2.8 R LM WR XF100-400mmF4.5-5.6 R LM OIS WR
PRF-105	XF200mmF2 R LM OIS WR

## Software



### 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.

### FUJIFILM X Webcam

Once a X WEBCAM supported camera is connected to Mac or PC via a USB cable, the FUJIFILM X Webcam allows users to create a web-conferencing environment with much higher image quality.

### RAW FILE CONVERTER EX 3.0 powered by SILKYPIX

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

### Fujifilm X Acquire

Once a tether shooting enabled camera is connected to Mac or PC via a USB cable, the FUJIFILM X Acquire allows users to transfer images taken with the camera to the Mac or PC directly and save them in a specified folder.

## Others

Body Cap  
BCP-001

Lens Rear Cap  
RLCP-001

Lens Front Cap  
FLCP-105

Lens Front Cap  
FLCP-77

Lens Front Cap  
FLCP-72II

Lens Front Cap  
FLCP-67II

Lens Front Cap  
FLCP-62II

Lens Front Cap  
FLCP-58II

Lens Front Cap  
FLCP-52II

Lens Front Cap  
FLCP-49

Lens Front Cap  
FLCP-46

Lens Front Cap  
FLCP-43

Lens Front Cap  
FLCP-39II

Lens Front Cap  
FLCP-8-16

Lens plate  
MLP-75XF  
compatible with  
ARCA SWISS

Lens Hood for 16mm  
LH-XF16

Lens Hood for 23mmF1.4  
LH-XF23

Lens Hood  
for 23mmF2 / 35mmF2  
LH-XF35-2 (Black)  
LH-XF35-2 S (Silver)

Lens Hood for X100V  
LH-X100 (Silver)  
LH-X100 B (Black)  
compatible with:  
X100V/X100F/X100T/X100S  
X100, includes Adapter Ring

Eye cup  
EC-XT S / EC-XT M

EC-XT L / EC-XH W

compatible with:  
X-H1/X-T1/X-T2/X-T3/X-T4  
\*EC-XH W may interfere with  
LCD monitor  
for some models

Cover Kit for X-T4  
CVR-XT4

Adapter Ring for X100V  
AR-X100 (Silver)

AR-X100B (Black)

compatible with:  
X100V/X100F/X100T/X100S/X100

Battery  
NP-W235

NP-W126S

Clip on flash  
EF-X8



### Capture One Pro/ Capture One Pro FUJIFILM

Optional

\*See Phose One's website  
for details of compatible cameras.



### Capture One Express FUJIFILM

Free Download



### FUJIFILM Tether Shooting Plug-in / Tether Shooting Plug-in PRO + Adobe® Lightroom® Classic

Optional

\*See Phose One's website  
for details of compatible cameras.

Capture One Pro Fujifilm is a photographic workflow application specifically designed for the GFX and X series cameras and utilizing the diverse and powerful editing functions of Capture One Pro. It is available for purchase from Capture One website. The Software offers a cataloging function to manage your individual images or sessions of shooting, whilst enabling fast and precise control throughout your workflow from tethered shooting to RAW processing. The Capture Pilot function lets you view and check images you have taken wirelessly on a table device, etc

This software supports RAW conversion of files from the GFX and X Series range of cameras. The software uses a unique cataloging format to manage pictures, enabling fast processing of individual images regardless of the quality or size. FUJIFILM's unique Film Simulation modes can be applied during RAW conversion so that you can add an artistic flair or traditional film look and feel. This RAW conversion software is available as a free download from Capture One Website.

The Plug-in enables tether shooting function for Lightroom Classic with the compatible FUJIFILM cameras. Once the compatible camera is connected to Mac or PC via a USB cable, the plug-in allows users to import captured images directly to Lightroom Classic.

In addition to the features of "Tether Shooting Plug-in", "Tether Shooting Plug-in PRO" has Control Panel which can check captured images and to control the camera. The Control Panel PREVIEW window allows users to check transferred images in quicker than Lightroom window. The Control Panel also allows users to check shooting angles with LIVE VIEW, to set shooting conditions from computer, to operate interval/bracketing shootings and to backup/restore all the camera settings.

# Technology < Optics >

## All-Lens-Group (ALG) Focusing

Focusing ALG

Adoption of the ALG focusing approach of moving all lens groups together minimizes aberrations and fluctuations due to the focus position and maximizes lens performance across the focus drive range. Because there is no change in the relative position of the lens groups during focusing, the in-focus plane is sharp and the description of the out-of-focus plane does not change, which means no degradation of the bokeh effect due to the focus distance. This lens design approach requires moving many lens groups and consequently a powerful driving mechanism. XF lenses adopt a high-torque DC coreless motor for exceptionally responsive performance.



XF35mmF1.4 R



## Inner Focusing

Because the weight of the elements within a lens affects auto focus speed, it makes sense for them to be as light as possible. In the zoom lenses, XF23mmF1.4 R, and XF56mmF1.2 R an internal

focusing method is used for high-speed auto focus, moving the relatively small and light-weight lens elements installed from the center to the back of the lens, to bring the subject rapidly into focus.

## Floating Focusing

Floating Focusing

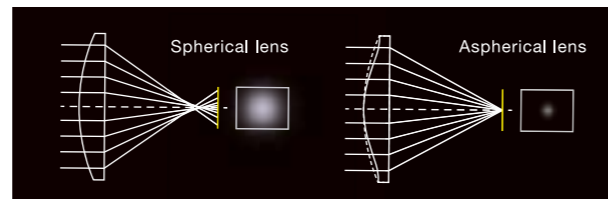
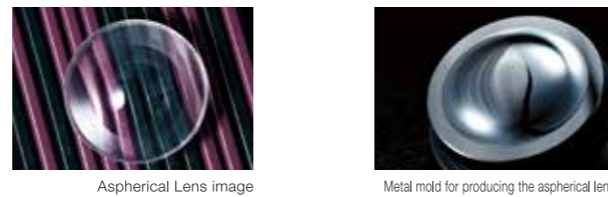
High image quality throughout the focus range. The Floating Focus System is designed to deliver high image quality throughout the focus range. It uses two focus groups that work

in conjunction with each other depending on the focusing distance to correct various aberrations.

## Aspherical Lens

Aspherical Lens

Aspherical lenses eliminate and correct aberrations to deliver premium image quality. A single aspherical lens has the effect of multiple spherical lenses, thereby reducing the total number of elements and enabling the development of more compact-sized lenses. XF/XC lenses contain aspherical lenses along with other glass elements molded in a precise metal die. This enables high-performance lens coatings to be added, such as HT-EBC, that combat flare and ghosting.

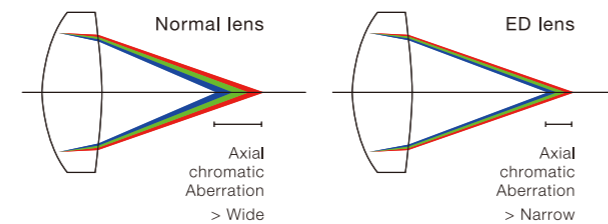


## ED / Super ED Lens

ED Lens

Super ED Lens

In the case of conventional optical glass lenses, the longer the focal length, the more difficult correction of chromatic aberration becomes. Color fringing results from light rays of different wavelengths focusing at different points. The solution is extra low dispersion glass which has different dispersion characteristics from conventional optical glass. It can correct various aberrations, produce color fringing-free quality from edge to edge, and achieve sharp high-contrast descriptive performance. ED glass lenses have superb characteristics, but their manufacture is extremely difficult, and the larger the diameter of the lens, the higher the precision of



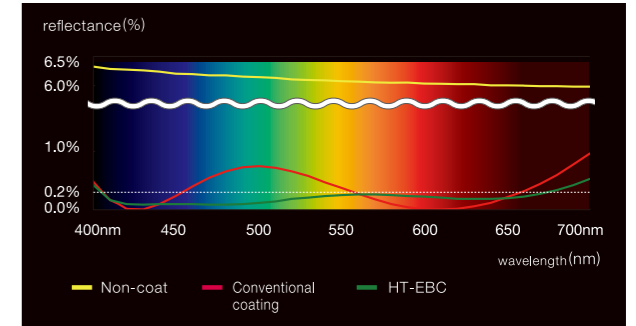
processing (polishing) technology that is demanded. The same advanced polishing technology that produces the ultra large-scale ED glass lens elements used in acclaimed Fujinon broadcast lenses is also used to create the premium XF lens.

## < Coating & Glass >

### HT-EBC (High Transmittance Electron Beam Coating)

HT-EBC

HT-EBC (High Transmittance Electron Beam Coating) is the multi-layer coating technology developed to enhance the many high-performance lens elements used in broadcast lenses. Lenses with HT-EBC boast a high transmittance (99.8%) and low reflectivity (0.2%) over a broad wavelength band and deliver uniform performance that extends to light in the visible spectrum. This high transmittance rate enables the transmission of reds, blues and other light that dramatically influence photographic expression to the sensor surface. Thanks to the excellent applicability of the process, the entire lens surface can be treated with highly durable HT-EBC, realizing high edge-to-edgetransmittance. XF lenses treated with HT-EBC are also highly resistant to ghosting and lens flares caused by stray light. For the photographer, this advanced coating technology means more freedom in selecting angles and composing the shot.

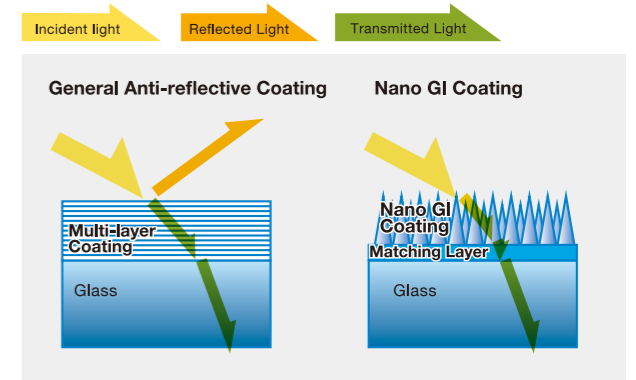


Transmittance Rate Comparison

### Nano GI Coating

Nano GI Coating

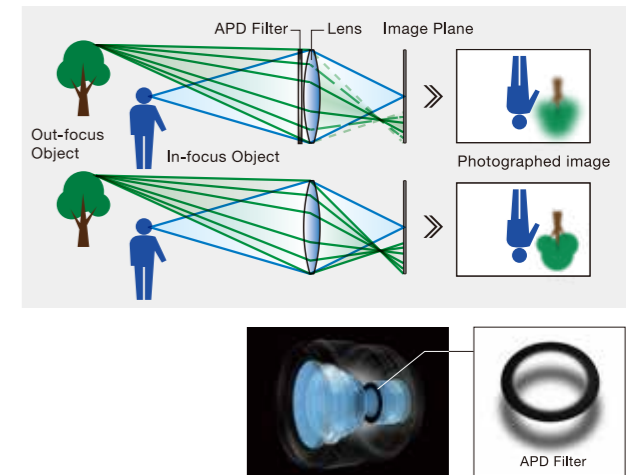
A new-generation of coating technology that reduces reflected light by placing cone-shaped "Boehmite" nanoparticles, smaller than the wavelength of visible light, over the lens surface in a moth-eye structure. The technology seamlessly adjusts the differences in the refraction index between air and glass to prevent reflections and produce clear images with reduced flare and ghosting. The use of an index-matching layer further enhances the coating's effect. This can be applied to a diverse range of glass materials with low to high refractive indices.



### APD Filter

APD Filter

An optical filter that reduces the amount of light passing through the perimeter of the lens to create silky bokeh effects. Light-absorbing nanoparticles are synthesized on thin film to create a compact and lightweight APD filter offering optimum gradation from the perimeter to the centre of an image. This filter has been introduced to the 56mm F1.2 R APD ahead of others in the lineup.



### Making Sense of lens names

To tell what a lens does and how it will help your photography, just look at the letters and numbers in its name. They have the following meanings:

1. Lens series (XF or XC) / 2. Focal Length / 3. Maximum aperture of the lens / 4. Presence of an aperture ring / 5. Refers to "Linear Motor" / 6. Indicates the use of an "Optical Image Stabilizer" / 7. Indicates Weather Resistance ability / 8. Indicates the Capability for Macro photography / 9. Refers to "APD Filter" / 10. Refers to "Power Zoom"

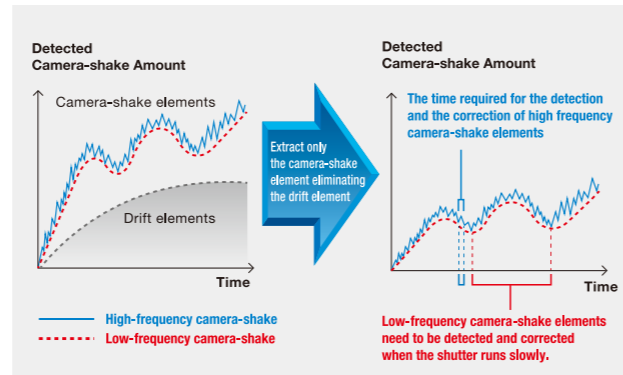
XF18-135mm F3.5-5.6 R LM OIS WR  
 1 2 3 4 5 6 7  
 XF 60mm F2.4 R Macro 8  
 XF 56mm F1.2 R APD 9  
 XC 15-45mm F3.5-5.6 OIS PZ 10

## Image Stabilization

OIS

Fujifilm's image stabilization technology boasts the world's best performance, equivalent to over 5 stops (based on CIPA standards). It uses a high-precision gyro sensor with quartz oscillators for advanced signal-detection performance. Fujifilm's unique Drift Tracking technology, which extracts only the camera-shake elements of detected signals, enables the correction of low-frequency camera shake that occurs at slow shutter speeds.

\* 'Drift' refers to low-frequency signals that occur with a gyro sensor and constitutes noise that hampers the detection of camera-shake signals.



## LM (Linear Motor)

LM

The Linear Motor technology, which directly moves lens elements in the non-contact state, enables silent operation and excellent response. XF18-55mmF2.8-4R LM OIS and XF55-200mm F3.5-4.8R LM OIS incorporates the Linear Motor technology into the focusing unit and image stabilization unit to achieve

high-speed and high-precision focusing as well as advanced image stabilization. With excellent energy efficiency, the technology demonstrates its strong benefit in video recording and other shooting conditions that involve constant lens movements.

## Triple Linear Motor

Triple LM

The Triple Linear Motor system is a new technology involving three actuators, positioned at 120 degree intervals on the optical axis, to deliver silent operation and excellent response in large-diameter lenses. Since the actuators are positioned to form

an equilateral triangle around the lens's centre of balance, the drive unit's center of balance matches the point of force. The minimal drive loss and outstanding torque deliver rapid movement of lens elements in large lenses.

## Quad Linear Motor

Quad LM

Powerful motor delivers exceptional focusing performance. This newly-developed motor uses four magnets in the focus unit to ensure the XF90mm works quickly, quietly and accurately. The smooth operation is achieved by matching the emphasis of the actuator, the gravity point of the drive unit, and the center of the guide axis that supports the focus unit.



## Stepping Motor

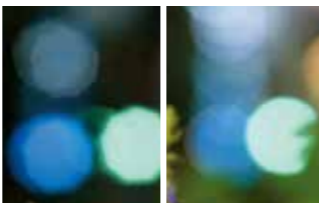
STM

Improving autofocus, the stepping motor turns one step per pulse allowing a high level of control, and because it directly drives the focus lens without using a gear, it is silent and more suitable for movie shooting. The simple structure also helps downsize the focus unit. The AF drive system of the XF 10-24mmF4 R OIS, XC 16-50mmF3.5-5.6 OIS and XC 50-230mm F4.5-6.7 OIS lenses all adopts the stepping motor.



## Circular Aperture

The beautiful bokeh effect of the XF/XC lens is a reflection of Fujifilm's uncompromising attention to the shape and the manufacture of the aperture diaphragm blades. The aperture consists of multiple diaphragm blades, which usually have an identical radius (R, angle).



Non-circular aperture      Circular aperture

## 1/3-Step Aperture Ring

For photographers who are particular about even the slightest difference in exposure and depth of the field, XF lenses let you adjust the aperture in steps of 1/3 EV. These tiny increments on a relatively small diameter lens mean that the rotation angle for each step is very small; consequently, there is a need for clear tactile confirmation of how much the aperture is adjusted as the user rotates the ring. XF lenses adopt a rotation angle of 4 degrees per 1/3 stop. Each full stop also gives a stronger clicking sensation than that of 1/3 stops, so that you can feel how much the aperture is adjusted while keeping your eye on the viewfinder. Also in the case of the zoom lens with an aperture ring that operates any focal distance setting, the enhancement of the clicking sensation and the setting of a slightly larger rotation angle of 6 degrees per 1/3 stop lets you shift from maximum to minimum aperture in one simple action.



## Metal Lens Barrel & Exterior Finish

The XF lenses embody premium quality. The lens barrel and exterior elements are made of high quality aluminum. Especially the finely machined rings are individually milled from a solid metal block, and every detail of every part is carefully finished to ensure comfort of operation and consistently high quality. When mounted on the body, the balance, appearance and even the way it feels when held for a shot are designed to multiply the pleasure of photography.



## Weather Resistance / Dust Resistance / Freeze Resistance

WR

WR/-10°C

The lens barrel is sealed at various points to enhance its air-tightness and prevent dust and water ingress. The XF50-140mm F2.8 R LM OIS features a design that absorbs the temperature difference between the outer and inner parts of the lens to minimize the impact on optical parts and also uses electronic parts that guarantee operation in low temperatures down to -10°C.

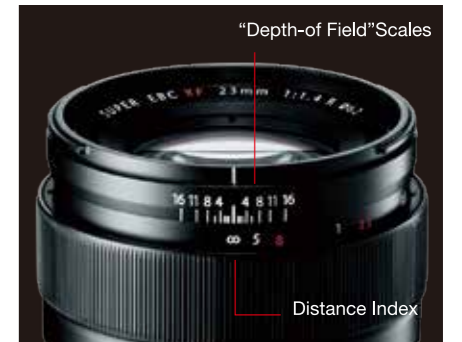


## AF/MF Switch Mechanism with Distance Index

AF/MF

The XF14mmF2.8 R and XF23mm F1.4 R lenses have an AF/MF switch mechanism, which allows manual focusing using the lenses' distance index and depth-of-field scales by moving the focus ring back and forth. Additionally, an S-AF+MF stand-by MF mode, which allows fine adjustment using the focus ring after autofocusing without having to switch focus mode, will be available for all the XF lenses.

\*New firmware that enables stand-by MF mode for each camera body will be available from November 2014



## X MOUNT

X-mount acquired its high optical design flexibility owing to its short flange back distance and wide opening, thus achieving high resolution all the way to the edge of the image. Moreover, X Mount features 10 contact pins for communication of the unique optical profile of the mounted lens and other data to the camera body and for electronic control of the lens. Referencing these data, the camera body can perform optimum image processing and produce images with enhanced resolution and an improved S/N ratio.



# Specification

		Lens configuration	• Focal length (35mm format equivalent) • Angle of view	• Max.aperture • Min.aperture	• Aperture control Number of blades • Step size	Focus range	Max. magnification	• External dimensions • Weight (excluding caps, hoods, and tripod collar foot) • Filter size
<b>XF14mmF2.8 R</b>		10 elements in 7 groups (includes 2 aspherical and 3 ED elements)	• f=14mm (21mm) • 90.8°	• F2.8 • F22	• 7 (rounded diaphragm opening) • 1/3EV (19 steps)	Normal : 30cm-∞ Macro : 18cm-∞	0.12x	• Ø65.0mm x 58.4mm • 235g • Ø58mm
<b>XF16mmF1.4 R WR</b>		13 elements in 11 groups (includes 2 aspherical and 2 ED elements)	• f=16mm (24mm) • 83.2°	• F1.4 • F16	• 9 (rounded diaphragm opening) • 1/3EV (22 steps)	15cm-∞	0.21x	• Ø73.4mm x 73.0mm • 375g • Ø67mm
<b>XF16mmF2.8 R WR</b>		10 elements in 8 groups (includes 2 aspherical elements)	• f=16mm (24mm) • 83.2°	• F2.8 • F22	• 9 (rounded diaphragm opening) • 1/3EV (19 steps)	17cm-∞	0.13x	• Ø60.0mm x 45.4mm • 155g • Ø49mm
<b>XF18mmF2 R</b>		8 elements in 7 groups (includes 2 aspherical elements)	• f=18mm (27mm) • 76.5°	• F2.0 • F16	• 7 (rounded diaphragm opening) • 1/3EV (19 steps)	Normal : 0.8m-∞ Macro : 18cm-2.0m	0.14x	• Ø64.5mm x 33.7mm • 116g • Ø52mm
<b>XF23mmF1.4 R</b>		11 elements in 8 groups (includes 1 aspherical element)	• f=23mm (35mm) • 63.4°	• F1.4 • F16	• 7 (rounded diaphragm opening) • 1/3EV (22 steps)	Normal : 0.6m-∞ Macro : 28cm-∞	0.1x	• Ø72.0mm x 63.0mm • 300g • Ø62mm
<b>XF23mmF2 R WR</b>		10 elements in 6 groups (includes 2 aspherical elements)	• f=23mm (35mm) • 63.4°	• F2 • F16	• 9 (rounded diaphragm opening) • 1/3EV (19 steps)	22cm-∞	0.13x	• Ø60mm x 51.9mm • 180g • Ø43mm
<b>XF27mmF2.8</b>		7 elements in 5 groups (includes 1 aspherical element)	• f=27mm (41mm) • 55.5°	• F2.8 • F16	• 7 (rounded diaphragm opening) • 1/3EV (16 steps)	Normal : 0.6m-∞ Macro : 34cm-∞	0.1x	• Ø61.2mm x 23.0mm • 78g • Ø39mm
<b>XF35mmF1.4 R</b>		8 elements in 6 groups (includes 1 aspherical element)	• f=35mm (53mm) • 44.2°	• F1.4 • F16	• 7 (rounded diaphragm opening) • 1/3EV (22 steps)	Normal : 0.8m-∞ Macro : 28cm-2.0m	0.17x	• Ø65.0mm x 50.4mm • 187g • Ø52mm

		Lens configuration	• Focal length (35mm format equivalent) • Angle of view	• Max.aperture • Min.aperture	• Aperture control Number of blades • Step size	Focus range	Max. magnification	• External dimensions • Weight (excluding caps, hoods, and tripod collar foot) • Filter size
<b>XF35mmF2 R WR</b>		9 elements in 6 groups (includes 2 aspherical elements)	• f=35mm (53mm) • 44.2°	• F2 • F16	• 9 (rounded diaphragm opening) • 1/3EV (19 steps)	35cm-∞	0.135x	• Ø60.0mm x 45.9mm • 170g • Ø43mm
<b>XF50mmF1.0 R WR</b>		12 elements in 9 groups (includes 1 aspherical element and 2 ED elements)	• f=50mm (76mm) • 31.7°	• F1.0 • F16	• 9 (rounded diaphragm opening) • 1/3EV (25steps)	0.7m	0.08x	• Ø87mm x 103.5mm • 845g • Ø77mm
<b>XF50mmF2 R WR</b>		9 elements in 7 groups (includes 1 ED aspherical element)	• f=50mm (76mm) • 31.7°	• F2 • F16	• 9 (rounded diaphragm opening) • 1/3EV (19 steps)	39cm-∞	0.15x	• Ø60.0mm x 59.4mm • 200g • Ø46mm
<b>XF56mmF1.2 R APD / XF56mmF1.2 R</b>		11 elements in 8 groups (includes 1 aspherical and 2 ED elements + APD filter for APD version)	• f=56mm (85mm) • 28.5°	• F1.2 • F16	• 7 (rounded diaphragm opening) • 1/3EV (23 steps) *1/2EV, from max.aperture to next step, only.	Normal : 0.7m-∞ Macro : 0.7m-3.0m	0.09x	• Ø73.2mm x 69.7mm • 405g • Ø62mm
<b>XF60mmF2.4 R Macro</b>		10 elements in 8 groups (includes 1 aspherical and 1 ED elements)	• f=60mm (91mm) • 26.6°	• F2.4 • F22	• 9 (rounded diaphragm opening) • 1/3EV (20 steps)	Normal : 0.6m-∞ Macro : 26.7cm-2.0m	0.5x	• Ø64.1mm x 63.6mm • 215g • Ø39mm
<b>XF80mmF2.8 R LM OIS WR Macro</b>		16 elements in 12 groups (includes 1 aspherical, 3 ED and 1 super ED elements)	• f=80mm (122mm) • 20.1°	• F2.8 • F22	• 9 (rounded diaphragm opening) • 1/3EV (19 steps)	25cm-∞	1x	• Ø80.0mm x 130mm • 750g • Ø62mm
<b>XF90mmF2 R LM WR</b>		11 elements in 8 groups (includes 3 ED elements)	• f=90mm (137mm) • 17.9°	• F2 • F16	• 7 (rounded diaphragm opening) • 1/3EV (19 steps)	0.6m-∞	0.2x	• Ø75.0mm x 105mm • 540g • Ø62mm
<b>XF200mmF2 R LM OIS WR</b>		19 elements in 14 groups (includes 2 ED and 1 super ED elements)	• f=200mm (305mm) • 8.1°	• F2 • F22	• 9 (rounded diaphragm opening) • 1/3EV (22 steps)	1.8m-∞	0.12x	• Ø122mm x 205.5mm • 2,265g • Ø105mm • XF1.4X TC F2 WR included.

\* Basis on CIPA standard with X-SERIES mirrorless digital camera, at tele-end.

# Specification

		Lens configuration	• Focal length (35mm format equivalent) • Angle of view	• Max.aperture • Min.aperture	• Aperture control Number of blades • Step size	Focus range	Max. magnification	• External dimensions • Weight (excluding caps, hoods, and tripod collar foot) • Filter size
<b>XF8-16mmF2.8 R LM WR</b>		20 elements in 13 groups (includes 4 aspherical, 3 ED, 3 super ED elements)	• f=8-16mm (12 - 24mm) • 121°-83.2°	• F2.8 • F22	• 9 (rounded diaphragm opening) • 1/3EV (19 steps)	25cm-∞	0.1x (Telephoto)	• Ø88mm x 121.5mm • 805g
<b>XF10-24mmF4 R OIS WR</b>		14 elements in 10 groups (includes 4 aspherical, 4 ED elements)	• f=10-24mm (15-36mm) • 110°-61.2°	• F4 • F22	• 7(rounded diaphragm opening) • 1/3EV (16 steps)	24cm	0.16x (Telephoto)	• Ø77.6mm x 87mm • 385g • Ø72mm
<b>XF16-55mmF2.8 R LM WR</b>		17 elements in 12 groups (includes 3 aspherical and 3 ED elements)	• f=16-55mm (24-84mm) • 83.2°-29°	• F2.8 • F22	• 9(rounded diaphragm opening) • 1/3EV (19 steps)	Normal : 0.6m-∞ Macro : [Wide]30cm-10m [Telephoto]40cm-10m	0.08x(Wide) 0.16x (Telephoto)	• Ø83.3mm x 106.0mm(Wide)/129.5mm(Telephoto) • 655g • Ø77mm
<b>XF16-80mmF4 R OIS WR</b>		16 elements 12 groups (includes 3 aspherical elements and 1 ED aspherical element)	• f=16-80mm (24-122mm) • 83.2°-20.1°	• F4 • F22	• 9 (rounded diaphragm opening) • 1/3EV (16 steps)	35cm-∞	0.25x	• Ø78.3mm x 88.9mm(Wide)/131.5mm(Telephoto) • 440g • Ø72mm
<b>XF50-140mmF2.8 R LM OIS WR</b>		23 elements in 16 groups (includes 5 ED and 1 super ED elements)	• f=50-140mm (76-213mm) • 31.7°-11.6°	• F2.8 • F22	• 7(rounded diaphragm opening) • 1/3EV(19 steps)	Normal : 1m-∞ Macro : 1m-3m	0.06x(Wide) 0.12x (Telephoto)	• Ø82.9mm x 175.9mm • 995g • Ø72mm
<b>XF18-55mmF2.8-4 R LM OIS</b>		14 elements in 10 groups (includes 3 aspherical and 1 ED elements)	• f=18-55mm (27-84mm) • 76.5°-29.0°	• F2.8-F4.0 • F22	• 7(rounded diaphragm opening) • 1/3EV(19 steps)	Normal : 0.6m-(whole zoom position) Macro : [Wide]30cm-10m [Telephoto]40cm-10m	0.15x (Telephoto)	• Ø65.0mm x 70.4mm(Wide)/97.9mm(Telephoto) • 310g • Ø58mm
<b>XF18-135mmF3.5-5.6 R LM OIS WR</b>		16 elements in 12 groups (includes 4 aspherical and 2 ED elements)	• f=18-135mm (27-206mm) • 76.5°-12°	• F3.5-F5.6 • F22	• 7(rounded diaphragm opening) • 1/3EV (17 steps)	Normal : 0.6m-∞ Macro : 45cm-∞	0.27x (Telephoto)	• Ø75.7mm x 97.8mm(Wide)/158mm(Telephoto) • 490g • Ø67mm

		Lens configuration	• Focal length (35mm format equivalent) • Angle of view	• Max.aperture • Min.aperture	• Aperture control Number of blades • Step size	Focus range	Max. magnification	• External dimensions • Weight (excluding caps, hoods, and tripod collar foot) • Filter size
<b>XF55-200mmF3.5-4.8 R LM OIS</b>		14 elements in 10 groups (includes 1 aspherical, 1 ED and 1 super ED elements)	• f=55-200mm (84-305mm) • 29.0°-8.1°	• F3.5-F4.8 • F22	• 7(rounded diaphragm opening) • 1/3EV (17 steps)	Normal : 1.1m-∞ Macro : 1.1m-3m	0.18x (Telephoto)	• Ø75mm x 118mm(Wide)/177mm(Telephoto) • 580g • Ø62mm
<b>XF100-400mmF4.5-5.6 R LM OIS WR</b>		21 elements in 14 groups (includes 5 ED and 1 super ED elements)	• f=100-400mm (152-609mm) • 16.2°-4.1°	• F4.5-F5.6 • F22	• 9(rounded diaphragm opening) • 1/3EV (15 steps)	1.75m-∞	0.19x (Telephoto)	• Ø94.8mm x 210.5mm(Wide)/270mm(Telephoto) • 1,375g • Ø77mm
<b>XC15-45mmF3.5-5.6 OIS PZ</b>		10 elements in 9 groups (includes 3 aspherical and 2 ED elements)	• f=15-45mm (23-69mm) • 86.9°-35.0°	• F3.5-F5.6 • F22	• 7(rounded diaphragm opening) • 1/3EV (17 steps)	[Wide]13cm-∞ [Telephoto]35cm-∞	0.24x (Wide)	• Ø62.6mm x 44.2mm(Collapsed position)/65.2mm(Wide)/62.1mm(Telephoto) • 135g • Ø52mm
<b>XC50-230mmF4.5-6.7 OIS II</b>		13 elements in 10 groups (includes 1 aspherical and 1 ED elements)	• f=50-230mm (76-350mm) • 31.7°-7.1°	• F4.5-F6.7 • F22	• 7(rounded diaphragm opening) • 1/3EV(15 steps)	Normal : 1.1m-∞ Macro : 1.1m-3m	0.2x (Telephoto)	• Ø69.5mm x 111mm(Wide)/177mm(Telephoto) • 375g • Ø58mm
<b>MKX18-55mmT2.9</b>		22 elements in 17 groups (includes 2 ED and 6 super ED elements)	• f=18-55mm (27-84mm) • 76.5°-29.0°	• F2.8 • F22-Close	• 9(rounded diaphragm opening) • None	0.85m / 2ft. 9in.-∞ [with wide macro function 38cm / 1ft. 2.9in. - (at wide end)]	-	• Ø87mm x 206.6mm • 1,080g • Ø82mm
<b>MKX50-135mmT2.9</b>		22 elements in 17 groups (includes 2 ED and 2 super ED elements)	• f=50-135mm (76-206mm) • 31.7°-12.0°	• F2.8 • F22-Close	• 9(rounded diaphragm opening) • None	1.2m / 3ft. 11in.-∞ [with wide macro function 0.85m / 2ft. 9in. - (at wide end)]	-	• Ø87mm x 206.6mm • 1,100g • Ø82mm

\* Basis on CIPA standard with X-SERIES mirrorless digital camera, at tele-end.

X-T2	→ Cover	<b>Jakub Cejpek / Czech Republic</b>
X-H1	→ P.2-3	<b>Jonas Dyrh Rask / Denmark</b>
XF14mmF2.8 R	→ P.10	<b>Pascal Xicluna / France</b>
XF16mmF1.4 R WR	→ P.10	<b>Mindy Tan / Singapore</b>
XF16mmF2.8 R WR	→ P.11	<b>Jonas Dyrh Rask / Denmark</b>
XF18mmF2 R	→ P.12	<b>Riley Joseph / Canada</b>
XF23mmF1.4 R	→ P.13	<b>Gathot Subroto / Indonesia</b>
XF23mmF2 R WR	→ P.14	<b>Klaus Bo / Denmark</b>
XF27mmF2.8	→ P.14	<b>Knut Koivisto / Sweden</b>
XF35mmF2 R WR	→ P.14	<b>Max De Martino / Italy</b>
XF35mmF1.4 R	→ P.15	<b>Mia Galde / Sweden</b>
XF50mmF1.0 R WR	→ P.16	<b>Doruk Seymen / Turkey</b>
XF50mmF2 R WR	→ P.16	<b>Pawel Kosicki / Poland</b>
XF56mmF1.2 R / XF56mmF1.2 R APD	→ P.17	<b>Putra Djohan / Indonesia</b>
XF60mmF2.4 R Macro	→ P.17	<b>Simone Sbaraglia / Italy</b>
XF80mmF2.8 R LM OIS WR Macro	→ P.18	<b>Yunfeng Du / China</b>
XF90mmF2 R LM WR	→ P.18	<b>Pål Laukli / Norway</b>
XF200mmF2 R LM OIS WR	→ P.19	<b>John Rourke / UK</b>
XF8-16mmF2.8 R LM WR	→ P.20	<b>Bin Zhang / China</b>
XF10-24mmF4 R OIS WR	→ P.21	<b>Kankavee Kanjanadecha / Thailand</b>
XF16-55mmF2.8 R LM WR	→ P.21	<b>Daniel Malikyar / UK</b>
XF16-80mmF4 R OIS WR	→ P.22	<b>Scott Grant / Canada</b>
XF50-140mmF2.8 R LM OIS WR	→ P.22	<b>ADE / China</b>
XF18-55mmF2.8-4 R LM OIS	→ P.24	<b>Darren Brogan / UK</b>
XF55-200mmF3.5-4.8 R LM OIS	→ P.25	<b>Heinz Zak / Austria</b>
XF100-400mmF4.5-5.6 R LM OIS WR	→ P.26	<b>Martin Farkas / Slovakia</b>
XF18-135mmF3.5-5.6 R LM OIS WR	→ P.27	<b>Faruk Akbas / Turkey</b>

Specifications are subject to change without notice.

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