

Specs

Lens Configuration

16 elements in 12 groups

(includes 3 aspherical and 1 ED aspherical elements)

Focal Length

16-80mm

35mm Equivalent Focal Length

24-122mm

Angle of View

83.2-20.1

Maximum Aperture

F4

Minimum Aperture

F22

Number of Aperture Blades

9 (rounded diaphragm opening)

Aperture Step Size

1/3EV (16 steps)

Minimum Focusing Distance (cm)

35

Minimum Focusing Distance (in)

13.78

Maximum Magnification

0.25x (Telephoto)

Lens Diameter (mm)

78.3

Lens Length (mm)

88.9

Lens Length (in)

3.5

Lens Length - Extended (mm)

131.5

Lens Length - Extended (in)

5.18

Lens Weight (g)

440

Lens Weight (lb)

0.97

Filter Size

72mm

Number of Effective Pixels

40.2 millions pixels

Image Sensor

23.5mm x 15.6mm (APS-C) X-Trans CMOS 5 HR with primary color filter

Sensor Cleaning System

Ultra Sonic Vibration

Storage Media

SD Card (-2GB) / SDHC Card (-32GB) / SDXC Card (-2TB) / UHS-I / UHS-II / Video Speed Class V90 / CFexpress Type B Card (-2TB) *Please visit <https://fujifilm-x.com/support/compatibility/cameras> to check memory card compatibility.

File format (Still)

JPEG-Exif Ver.2.32, HEIF-4:2:2 10bit, RAW-14bit RAW (RAF original format), TIFF-8bit / 16bit RGB (In-camera Raw Conversion Only)

*Exif 2.32 is a digital camera file format that contains a variety of shooting information for optimal printing

Number of Recorded Pixels

L: [3:2] 7728 x 5152 [16:9] 7728 x 4344 [1:1] 5152 x 5152

M: [3:2] 5472 x 3648 [16:9] 5472 x 3080 [1:1] 3648 x 3648

S: [3:2] 3888 x 2592 [16:9] 3888 x 2184 [1:1] 2592 x 2592

Digital Tele-Converter

2.0x, 1.4x, OFF

Lens Mount

FUJIFILM X mount

Sensitivity Standard Output

STILL: AUTO1/ AUTO2/ AUTO3/ ISO12512800 (1/3 step)

MOVIE: AUTO/ ISO12512800 (1/3 step)

Sensitivity Extended Output

STILL: ISO80/ ISO100/ ISO25600/ ISO51200

MOVIE: ISO25600

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: -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

Image Stabilizer Compensation Effect

Up to 7.0 stops (based on CIPA standard). Pitch/yaw shake only, with XF35mmF1.4 R lens attached.

Image Stabilizer Digital Image Stabilization

Yes, movie mode only

Image Stabilizer IS MODE BOOST

Yes, movie mode only

Shutter Type

Focal Plane Shutter

Shutter Speed Mechanical Shutter

P mode: 30 sec to 1/8000

A mode: 30sec to 1/8000

S/M mode: 15min to 1/8000

Bulb mode: up to 60min

Shutter Speed Electronic Shutter

P mode: 30 sec to 1/80000

A mode: 30sec to 1/80000

S/M mode: 15min to 1/80000

Bulb mode: 1sec Fixed

Shutter Speed Electronic Front curtain Shutter

P mode: 30 sec to 1/8000

A mode: 30sec to 1/8000

S/M mode: 15min to 1/8000

Bulb mode: up to 60min

Shutter Speed Mechanical + Electronic Shutter

P mode: 30 sec to 1/80000

A mode: 30sec to 1/80000

S/M mode: 15min to 1/80000

Bulb mode: up to 60min

*Mechanical shutter works until 1/8000sec.

Shutter Speed E-Front + Mechanical Shutter

P mode: 30 sec to 1/8000

A mode: 30sec to 1/8000

S/M mode: 15min to 1/8000

Bulb mode: up to 60min

E116

*Electronic front curtain shutter works until 1/2000sec.

Shutter Speed E-Front + Mechanical + Electronic Shutter

P mode: 30 sec to 1/80000

A mode: 30sec to 1/80000

S/M mode: 15min to 1/80000

Bulb mode: 1sec Fixed. *Electronic front curtain shutter works until 1/2000sec, Mechanical shutter works until 1/8000sec. *The Electronic Shutter may not be suitable for fast-moving objects or handheld shooting. Flash can not be used.

Shutter Speed Movie

6.2K: 1/8000 to 1/24

DCI 4K/4K: 1/8000 to 1/4 sec.

FHD: 1/8000 to 1/4 sec.

Synchronized Shutter Speed for Flash

Mechanical Shutter: 1/250sec. or slower

Electronic Shutter: 1/125sec. or slower

Continuous Shooting

Electronic Shutter Approx. 20fps (1.29x Crop) (JPEG: 168 frames ,Compressed RAW: 72, Lossless Compressed RAW 41, Uncompressed RAW: 37 frames, Uncompressed RAW + JPEG: 23 frames)

Electronic Shutter Approx. 13fps (1.29x Crop) (JPEG: 1000+ frames ,Compressed RAW: 104, Lossless Compressed RAW: 53, Uncompressed RAW: 23 frames, Compressed RAW + JPEG: 56, Lossless compressed RAW + JPEG: 44, Uncompressed RAW + JPEG: 23)

Electronic Shutter Approx. 10fps (1.29x Crop) (JPEG: 1000+ frames ,Compressed RAW: 1000+, Lossless Compressed RAW 70, Uncompressed RAW: 25 frames, Compressed RAW + JPEG: 72 frames, Lossless compressed RAW + JPEG: 53 frames, Uncompressed RAW + JPEG: 23 frames)

Mechanical Shutter Approx. 15fps (JPEG: 119frames ,Compressed RAW: 39 frames, Lossless Compressed RAW 22 frames, Uncompressed RAW: 19 frames, Compressed RAW + JPEG 27 frames)

Mechanical Shutter Approx. 10fps (JPEG: 1000+ frames ,Compressed RAW: 56 frames, Lossless Compressed RAW 29 frames, Uncompressed RAW: 19 frames, Compressed RAW + JPEG: 34 frames)

Mechanical Shutter Approx. 7.0fps (JPEG: 1000+ frames ,Compressed RAW: 1000+ frames, Lossless Compressed RAW 33 frames, Uncompressed RAW: 20 frames, Compressed RAW + JPEG: 45 frames, Lossless compressed RAW + JPEG: 22 frames, Uncompressed RAW + JPEG: 20 frames)

Electronic Shutter Approx. 20fps (1.29x Crop) (While half press 20 frames ,After full press 140 frames)

Electronic Shutter Approx. 13fps (1.29x Crop) (While half press 13 frames ,After full press 300 frames,)

Electronic Shutter Approx. 10fps (1.29x Crop) (While half press 10 frames ,After full press 370 frames,)

Electronic Shutter Approx. 13fps (While half press 13 frames ,After full press 70 frames,)

*Recordable frames depends on recording media

*Speed of continuous shooting depends on shooting environment and shooting frames

AE Bracketing

AE Bracketing (Frames: 2, 3, 5, 7, 9 Step: by 1/3EV step, up to 3EV steps)

Film simulation bracketing (Any 3 types of film simulation selectable)

Dynamic Range Bracketing (100%, 200%, 400%)

Focus Mode

Single AF/ Continuous AF/ MF

Focus Type

Intelligent Hybrid AF (TTL contrast AF / TTL phase detection AF)

Focus Low-light Performance

Contrast: -4.0EV

Phase Detection: -7.0EV

*XF50mmF1.0 attached

AF Frame Selection

Single point AF: 139/ 2517 (Changeable size of AF frame)

Zone AF: 33/ 55/ 77 from 117 areas on 139 grid

Wide/Tracking AF AF-S: Wide/ AF-C: Tracking

All

White Balance

Auto (WHITE PRIORITY, AUTO, AMBIENCE PRIORITY)/ Custom1 - 3/ Color temperature selection (2500K10000K)/

Preset Daylight, Shade, Fluorescent Light-1, Fluorescent Light-2, Fluorescent Light-3, Incandescent Light,

Underwater

Self-timer

10sec./2sec.

Interval Timer Shooting

Yes (Setting : Interval, Number of shots, Starting time, Interval timer shooting exposure smoothing)

Flash

EF-X8 Guide Number approx. 11 (ISO200m) / approx. 8 (ISO100m)

Flash Sync Mode

EF-X8: 1st Curtain/ 2nd Curtain

Shoe Mount Flash: 1st Curtain/ 2nd Curtain AUTO FP (HSS)

Synchronized terminal: 1st Curtain/ 2nd Curtain.

Flash Mode

TTL (TTL AUTO / STANDARD / SLOW SYNC.) / MANUAL / COMMANDER / OFF Shoe Mount Flash TTL (TTL

AUTO) / STANDARD / SLOW SYNC.) / MANUAL / MULTI

* When EF-X500 is set/ OFF Synchronized terminal MANUAL

Hot Shoe

Yes (Dedicated TTL Flash compatible)

Viewfinder EVF

0.5 inch approx. 3.69 million dots OLED Color Viewfinder

Coverage of viewing area vs. capturing area: approx. 100%

Eyepoint: approx. 24mm (from the Rear End of the camera's Eyepiece) Diopter adjustment: -5~+3m-1

Magnification: 0.80 with 50mm lens (35mm equivalent) at infinity and Diopter set to -1.0m-1

Diagonal angle of view: approx. 40 (Horizontal angle of view: approx. 32) Built-in eye sensor

LCD Monitor

3.0 inch Tilt-Type (Three Direction) Touch Screen Color LCD Monitor

Aspect Ratio 3:2

Resolution: Approx. 1.84 million dots

Touch Screen Shooting Mode

Shooting, AF, Focus Area, OFF, Double Tap Setting (ON/OFF), Touch Function Setting (ON/OFF), EVF Touch Screen Area Setting

Touch Screen Playback Mode

Swipe, Pinch-in / Pinch-out, Double-tap, Drag

File format (Movie)

HEVC/ H.265

Audio: Linear PCM / Stereo sound (24bit / 48KHz sampling)

MPEG-4, AVC/ H.264

Audio: Linear PCM / Stereo sound (24bit / 48KHz sampling)

MP4, MPEG-4, AVC/ H.264

Audio: AAC

Movie Compression

All Intra/Long-GOP

File Size / Frame Rate / Recording Time

6.2K [16:9] - 62403150

29.97p/ 25p/ 24p/ 23.98p

360Mbps/ 200Mbps/ 100Mbps/ 50Mbps

DCI 4K [17:9] - 40962160

59.94p/ 50p/ 29.97p/ 25p/ 24p/ 23.98p

360Mbps/ 200Mbps/100Mbps/50Mbps

4K [16:9] - 38402160

59.94p/ 50p/ 29.97p/ 25p/ 24p/ 23.98p

720Mbps/ 360Mbps/ 200Mbps/ 100Mbps/ 50Mbps

Full HD [17:9] -20481080

59.94p/ 50p/ 29.97p/ 25p/ 24p/ 23.98p

360Mbps/ 200Mbps/ 100Mbps/ 50Mbps

Full HD [16:9] - 19201080

59.94p/ 50p/ 29.97p/ 25p/ 24p/ 23.98p

360Mbps/ 200Mbps/ 100Mbps/ 50Mbps

Full HD High speed rec. [17:9] - 2048x1080

240p/200p/ 120p/ 100p

360Mbps(recording)/ 200Mbps(recording)

Full HD High speed rec. [16:9] - 1920x1080

240p/200p/ 120p/ 100p/

360Mbps(recording)/ 200Mbps(recording)

*For recording movies, use a SD memory card with UHS Speed Class 3 or higher.

*For recording movies in 360Mbps, use a SD memory card with Video Speed Class 60 or higher.

*Selectable bitrate will be changed depends on the setting.

*Recording length can shorten depending on the temperature and/or shooting conditions

Film Simulation Mode

19 modes (PROVIA/Standard, Velvia/Vivid, ASTIA/Soft, Classic Chrome, PRO Neg.Hi, PRO Neg.Std, Classic Neg.,

Nostalgic Neg., ETERNA Cinema, ETERNA BLEACH BYPASS, ACROS, ACROS + Ye Filter, ACROS + R Filter

ACROS + G Filter, Black & White, Black & White + Ye Filter, Black & White + R Filter, Black & White + G Filter,

Sepia)

Clarity setting

5 steps

Monochromatic Color

Yes

Grain Effect

Roughness STRONG, WEAK, OFF, Size LARGE, SMALL

Color Chrome Effect

STRONG, WEAK, OFF

Color chrome Blue

STRONG, WEAK, OFF

Smooth Skin Effect

STRONG, WEAK, OFF

Dynamic Range Setting

AUTO, 100%, 200%, 400%

ISO restriction (DR100%: No limit, DR200%: ISO320 or more, DR400%: ISO640 or more)

Dynamic Range Setting (Movie)

100%, 200%, 400%

ISO restriction (DR100%: No limit, DR200%: ISO320 or more, DR400%: ISO640 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

IEEE802.11a/b/g/n/ac (standard wireless protocol)

Wireless Transmitter Encryption

WEP/WPA/WPA2 mixed mode

Wireless Transmitter Access Mode

Infrastructure

Terminal - Digital Interface

USB Type-C (USB3.2 Gen2x1)

Terminal - HDMI Output

HDMI connector (Type D)

Terminal - Others

3.5mm, stereo mini connector (Microphone), 2.5mm, Remote Release Connector, Hot shoe, Synchronized terminal

Power Supply

NP-W235 Li-ion battery (included)

Battery Life for Still Images

Economy Mode Approx. 740 frames, Normal Mode Approx. 580 frames

*When XF35mmF1.4 R is set

Actual Battery Life for Movie Capture

6.2K Approx. 90min. (29.97p)

4K Approx. 80min. (59.94p)

Full HD Approx. 90min. (59.94p)

Full HD Approx. 100min. (120P)

Continuance Battery Life for Movie Capture

6.2K Approx. 130min. (29.97p)

4K Approx. 130min. (59.94p)

Full HD Approx. 150min. (59.94p)

Approximate External Camera Dimensions

(W) 129.5mm x (H) 91mm x (D) 63.8mm - Minimum Depth 37.9mm

Approximate External Lens Dimensions

78.3mm x 88.9mm (Wide)/ 131.5mm (Telephoto)

Camera Width (mm)

129.5

Camera Height (mm)

91

Camera Depth (mm)

63.8

Camera Minimum Depth (mm)

37.9

Camera Width (in)

5.09

Camera Height (in)

3.58

Camera Depth (in)

2.51

Camera Minimum Depth (in)

1.49

Camera Body Weight

Approx. 557g including battery and memory card, Approx. 476g excluding battery and SD memory card

Operating Temperature

-10C-40C/ 14F-104F

Operating Humidity

10% - 80% (no condensation)

Start Up Period

Approx. 0.49sec.

What's Included

FLCP-72 II Lens cap

RLCP-001 Rear lens cap

Lens hood

Wrapping cloth

Li-ion battery NP-W235

AC power adapter AC-5VJ

Plug adapter

USB cable

Headphone Adapter

Shoulder strap

Body cap

Hot shoe cover

Sync terminal cover

Owner's manual