

Number of effective pixels

26.1 millions pixels

Image sensor

23.5mm x 15.6mm (APS-C) X-Trans CMOS 4 with primary color filter

Sensor Cleaning System

Ultra Sonic Vibration

Storage media

SD Card (-2GB) / SDHC Card (-32GB) / SDXC Card (-2TB)

UHS-I

File format (Still)

DCF: Compliant with Design rule for Camera File system (DCF2.0)

JPEG: Exif Ver.2.32

RAW: 14bit RAW (RAF original format)

TIFF

Number of recorded pixels

L: [3:2] 6240x4160 [16:9] 6240x3512 [1:1] 4160x4160

M: [3:2] 4416x2944 [16:9] 4416x2488 [1:1] 2944x2944

S: [3:2] 3120x2080 [16:9] 3120x1760 [1:1] 2080x2080

Lens Mount

FUJIFILM X mount

Sensitivity Standard Output

Auto1 / Auto2 / Auto3 (up to ISO12800) / ISO160-12800 (1/3 step)

Sensitivity Extended Output

ISO80/100/125/25600/51200

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

-5.0EV--+5.0EV 1/3EV step (Movie: -2.0EV--+2.0EV)

Shutter type

Focal Plane Shutter

Shutter speed

Mechanical Shutter: P mode: 4sec. to 1/4000sec. A mode: 30sec. to 1/4000sec.

S/M mode: 60min. to 1/4000sec. Bulb mode: up to 60min.

Electronic Shutter: P mode: 4sec. to 1/32000sec. A mode: 30sec. to 1/32000sec.

S/M mode: 15min. to 1/132000sec. Bulb mode: 1 sec. Fixed

Mechanical + Electronic shutter: P mode: 4sec. to 1/132000sec. A mode: 30sec. to 1/32000sec.

S/M mode: 15min. to 1/32000sec. Bulb mode: up to 60min.

Shutter speed Movie

DCI4K/4k: 1/4000 to 1/24

FHD: 1/4000 to 1/24

Synchronized shutter speed for flash

1/180 or slower

Continuous shooting

Approx. 30fps [Only electronic shutter, 1.25 x Crop] (JPEG: 29 frames Lossless compressed RAW: 17 frames Compressed RAW: 17 frames Uncompressed RAW: 17 frames)

Approx. 20fps [Only electronic shutter, 1.25 x Crop] (JPEG: 79 frames Lossless compressed RAW: 17 frames Compressed RAW: 20 frames Uncompressed RAW: 17 frames)

Approx. 10fps [Only electronic shutter, 1.25 x Crop] (JPEG: 153 frames Lossless compressed RAW: 18 frames Compressed RAW: 26 frames Uncompressed RAW: 18 frames)

Approx. 20fps [Only electronic shutter] (JPEG: 32 frames Lossless compressed RAW: 17 frames Compressed RAW: 17 frames Uncompressed RAW: 17 frames)

Approx. 10fps [Only electronic shutter] (JPEG: 81 frames Lossless compressed RAW: 18 frames Compressed RAW: 21 frames Uncompressed RAW: 18 frames)

Approx. 8fps (JPEG: 105 frames Lossless compressed RAW: 18 frames Compressed RAW: 23 frames Uncompressed RAW: 18 frames)

Approx. 5fps (JPEG: 458 frames Lossless compressed RAW: 24 frames Compressed RAW: 46 frames Uncompressed RAW: 19 frames)

Approx. 4fps (JPEG: endless frames Lossless compressed RAW: 28 frames Compressed RAW: 107 frames Uncompressed RAW: 20 frames)

Approx. 3fps (JPEG: endless frames Lossless compressed RAW: 34 frames Compressed RAW: 480 frames Uncompressed RAW: 21 frames)

Pre-shot: Approx. 30fps [Only electronic shutter, 1.25 x Crop] (max. 10 frames while half press, max. 15 frames after full press, total max. 25 frames)

Pre-shot: Approx. 20fps [Only electronic shutter, 1.25 x Crop] (max. 10 frames while half press, max. 48 frames after full press, total max. 58 frames)

Pre-shot: Approx. 10fps [Only electronic shutter, 1.25 x Crop] (max. 10 frames while half press, max. 110 frames after full press, total max. 120 frames)

AE Bracketing

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

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 Bracketing (AUTO, MANUAL)

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: EVF / LCD: 13 x9 / 25 x17 (Changeable size of AF frame)

Zone AF: 3 x3 / 5 x5 / 7 x7 from 117 areas on 13 x9 grid

Wide/Tracking AF: 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, Starting time, Interval timer shooting exposure smoothing)

Flash Sync Mode

Flash Mode

1ST Curtain / 2ND Curtain / Auto FP(HSS)

Flash Mode

Attached EF-X8: TTL (TTL Auto / Standard / Slow Sync.), Manual, Commander, Off

Attached Shoe Mount Flash: TTL (TTL AUTO (P mode) / Standard / Slow Sync.) / Manual / Multi / Off

Hot shoe

Yes (Dedicated TTL Flash compatible)

Viewfinder EVF

0.39" OLED Color Viewfinder

Resolution: Approx. 2.36 million dots

Coverage: Approx. 100%

Approx. 17.5mm (from the Rear End of the Camera's Eyepiece)

Diopter Adjustment: -4+2m-1

Magnification: 0.62x with 50mm Lens (35mm Equivalent) at infinity and Diopter set to -1.0m-1

Diagonal Angle of View: approx. 31 Degree (Horizontal angle of view: approx. 26 Degree)

Built-In Eye Sensor

LCD monitor

3.0 inch Tilt-Type Touch Screen Color LCD Monitor

Aspect Ratio: 3:2

1.62 Million dots

Touch Screen Shooting Mode

Shooting, AF, Focus Area, Off, Double Tap Setting, Touch Function Setting, EVF Touch Screen Area Setting

Touch Screen Playback Mode

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

File format (Movie)

MOV (MPEG-4 AVC/H.264, Audio: Linear PCM / Stereo sound 24bit / 48KHz sampling)

MP4 (MPEG-4 AVC/H.264, Audio: AAC)

Movie compression

Long GOP

File size / Frame rate

DCI 4K (4096 x2160) 29.97p/25p/24p/23.98p 200Mbps/100Mbps up to approx. 30min

4K (3840 x2160) 29.97p/25p/24p/23.98p 200Mbps/100Mbps up to approx. 30min

Full HD (2048 x1080) 59.94p/50p/29.97p/25p/24p/23.98p 200Mbps/100Mbps/50Mbps up to approx. 30min.

Full HD (1920 x1080) 59.94p/50p/29.97p/25p/24p/23.98p 200Mbps/100Mbps/50Mbps up to approx. 30min.

Full HD (1920 x1080) High speed rec. 240p/200p/120p/100p 200Mbps

240p / 200p 200Mbps (recording) up to approx. 3min.

120p / 100p 200Mbps (recording) up to approx. 6min.

Film Simulation mode

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

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, ETERNA BLEACH BYPASS), Monochromatic Color

Clarity setting

+/-5 steps

HDR mode

Auto, 200%, 400%, 800%, 800% +

Grain Effect

Roughness: Strong, Weak, Off Size: Large, Small x 109

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%

Dynamic range setting (Movie)

100%, 200%, 400%

ISO restriction (DR1005%: 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

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

Wireless Transmitter Encryption

WEP / WPA / WPA2 mixed mode

Wireless Transmitter Access Mode

Infrastructure

Bluetooth Standard

Bluetooth Ver. 4.2(Bluetooth low energy)

Bluetooth Operating frequency

2402 – 2480MHz

Terminal – Digital Interface

USB Type-C (USB3.2 Gen1x1)

Terminal – HDMI Output

HDMI micro connector (Type D)

Terminal – Others

3.5mm, stereo mini connector (for Microphone and Remote Release), Hot shoe

Power supply

NP-W126S Li-ion battery (included)

Battery Life for Still Images

Approx. 380 frames (Normal Mode) When XF35mmF1.4 R is set.

Actual Battery Life for Movie Capture

[4K] approx. 45min. (29.97p)

[Full HD] approx. 50min. (59.94p)

Continuance Battery Life

For Movie Capture: [4K] approx. 60min. (29.97p)

[Full HD] approx. 70min. (59.94p)

Operating Temperature

32 Deg F – 104 Deg F (0 Degree C – +40 Degree C)

Operating Humidity

10%–80% (no condensation)

Starting up period

Approx. 0.4sec.

Dimensions (W x H x D)

121.3 x 72.9 x 32.7mm

Minimum Depth: 32.7mm

Weight

Approx. 364g (Including battery and SD memory card)

Approx. 315g (Excluding battery and SD memory card)