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)

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)

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

Lens Mount

Fujifilm X mount

Sensitivity Standard Output

Still: AUTO1/ AUTO2/ AUTO3/ ISO125-12800 (1/3 step)

MOVIE: AUTO/ ISO125-12800 (1/3 step)

Sensitivity Extended Output

Still: ISO80/I SO100/ 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 XF35mm F1.4 R lens attached.

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: 4sec to 1/8000

    A mode: 30sec to 1/8000

    S/M mode: 15min to 1/8000

    Bulb mode: up to 60min

    Electronic Shutter: P mode: 4sec to 1/80000

    A mode: 30sec to 1/80000

    S/M mode: 15min to 1/80000

    Bulb mode: 1sec Fixed

    Electronic Front Curtain Shutter: P mode: 4sec to 1/8000

    A mode: 30sec to 1/8000

    S/M mode: 15min to 1/8000

    Bulb mode: up to 60min

    Mechanical + Electronic Shutter: P mode: 4sec to 1/80000

    A mode: 30sec to 1/80000

    S/M mode: 15min to 1/80000

    Bulb mode: up to 60min

    E-Front + Mechanical Shutter: P mode: 4sec to 1/8000

    A mode: 30sec to 1/8000

    S/M mode: 15min to 1/8000

    Bulb mode: up to 60min

    E-Front + Mechanical + Electronic Shutter: P mode: 4sec to 1/80000

    A mode: 30sec to 1/80000

    S/M mode: 15min to 1/80000

    Bulb mode: 1sec Fixed

Shutter Speed Movie

    8K: 1/8000 to 1/24 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: 1000+ frames,Compressed RAW: 1000+,Lossless Compressed RAW 1000+,Uncompressed RAW: 202 frames)

Electronic Shutter Approx. 13fps (1.29x Crop) (JPEG: 1000+ frames,Compressed RAW: 1000+,Lossless Compressed RAW 1000+,Uncompressed RAW: 1000+ frames)

Electronic Shutter Approx. 10fps (1.29x Crop) (JPEG: 1000+ frames,Compressed RAW: 1000+,Lossless Compressed RAW 1000+,Uncompressed RAW: 202 frames)

Mechanical Shutter Approx. 15fps (JPEG: 1000+ frames,Compressed RAW: 1000+ frames,Lossless Compressed RAW 1000+frames,Uncompressed RAW:400 frames)

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

Mechanical Shutter Approx. 7.0fps (JPEG: 1000+ frames,Compressed RAW: 1000+ frames, Lossless Compressed RAW 1000+frames,Uncompressed RAW: 1000+frames)

Electronic Shutter Approx. 20fps (1.29x Crop) (While half press 20 frames ,After full press 1000+ frames)

Electronic Shutter Approx. 13fps (1.29x Crop) (While half press 13 frames ,After full press 1000+ frames)

Electronic Shutter Approx. 10fps (1.29x Crop) (While half press 10 frames ,After full press 1000+ frames)

Electronic Shutter Approx. 13fps (While half press 13 frames ,After full press 1000+ 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

AF Frame Selection

　Single point AF: 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

　Auto (WHITE PRIORITY, AUTO, AMBIENCE PRIORITY)/ Custom1 - 3/ Color temperature selection (2500K-10000K)/ 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

Hot Shoe

　Yes (Dedicated TTL Flash compatible)

Viewfinder EVF

　0.5 inch approx. 5.76 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 x with 50mm lens (35mm equivalent) at infinity and Diopter set to -1.0m-1

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

LCD Monitor

3.0 inch vari-angle Touch Screen Color LCD Monitor

Aspect Ratio 3:2

Resolution: Approx. 1.62 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

Sub LCD Monitor

1.28 (3.25cm) Monochrome LCD Monitor, Aspect Ratio 1:1, Dots 128x128-dot

File Format (Movie)

MOV/ Apple ProRes (422, HQ, LT)

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

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/Rec Time

8K (16:9) - 7680 x4320

29.97p/ 25p/ 24p/ 23.98p

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

6.2K (16:9) - 6240 x3150

29.97p/ 25p/ 24p/ 23.98p

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

DCI 4K (17:9) - 4096 x2160

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

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

4K (16:9) - 3840 x2160
59.94p/ 50p/ 29.97p/ 25p/ 24p/ 23.98p
720Mbps/ 360Mbps/ 200Mbps/ 100Mbps/ 50Mbps
Full HD (17:9) -2048 x1080
59.94p/50p/29.97p/25p/24p/23.98p
720Mbps/360Mbps/200Mbps/100Mbps/50Mbps

Full HD (16:9) - 1920 x1080
59.94p/ 50p/ 29.97p/ 25p/ 24p/ 23.98p
720Mbps/ 360Mbps/ 200Mbps/ 100Mbps/ 50Mbps

Full HD High speed rec. (17:9) - 2048x1080
240p/200p/120p/100p
720Mbps(rec)/360Mbps(rec)/200Mbps(rec)

FHD High speed rec. (16:9) - 1920x1080
240p/200p/120p/100p/720Mbps(rec)/360Mbps(rec)/200Mbps(rec)

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

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)

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

Bluetooth Standard

Bluetooth Ver. 4.2 (Bluetooth low energy)

Bluetooth Operating Frequency

2402 - 2480MHz

Terminal - Digital Interface

USB Type-C (USB3.2 Gen2x1)

Terminal - Hdmi Output

HDMI connector (Type A)

Terminal - Others

3.5mm, stereo mini connector (Microphone), 3.5mm, stereo mini connector (Headphone), 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. 720 frames, Normal Mode Approx. 580 frames

Actual Battery Life For Movie Capture

8K Approx. 70min. (29.97p),4K Approx. 75min. (59.94p),Full HD Approx. 85min. (59.94p), Approx. 90min (120p)

Continuance Battery Life

For Movie Capture: 8K Approx. 100min. (29.97p),4K Approx. 120min. (59.94p),Full HD Approx. 140min. (59.94p)

Operating Temperature

-10 Degree C-40 Degree C

Operating Humidity

10% - 80% (no condensation)

Starting Up Period

Approx. 0.49sec.

Battery Info

Required, included

Battery Material

Lithium ion

Battery Type

Non-universal

Battery Quantity

1

Dimensions (W x H x D)

136.3 x 92.9 x 84.6mm

Minimum Depth: 42.8mm

Weight

660g (Approx.) (Including battery and memory card)

579g (Approx.) (Excluding battery and memory card)