



Clifton Cameras Product Specification

Fujifilm X100V Camera Full Spec

Model Name

FUJIFILM X100V

Number of effective pixels

26.1 millions pixels

Image sensor

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

Storage media

SD memory card (~2GB) / SDHC memory card (~32GB) / SDXC memory card (~512GB)
UHS-I*1

File format

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

JPEG: Exif Ver 2.3*2,

RAW: 14bit RAW (RAF original format) / RAW+JPEG

Number of recorded pixels

L: <3:2> 6240×4160 / <16:9> 6240×3512 / <1:1> 4160×4160

M: <3:2> 4416×2944 / <16:9> 4416×2488 / <1:1> 2944×2944

S: <3:2> 3120×2080 / <16:9> 3120×1760 / <1:1> 2080×2080

<Panorama>

L: 2160 x 9600 [Horizontal : 9600 x 1440]

M: 2160 x 6400 [Horizontal : 6400 x 1440]

Lens

Type	FUJINON single focal length lens
Focal length	f=23mm (35mm format equivalent : 35mm)
Max. aperture	F2.0
Lens configuration	8 elements in 6 groups (includes 2 aspherical elements)
ND filter	Yes (4 stops)

Aperture

F2 - F16 1/3EV step (controlled with 9-blade aperture diaphragm)

Focus distance

Approx. 10cm to infinity / 3.9in. to infinity

Conversion Lens

WIDE / TELE / OFF



Digital Tele-Converter

35mm*(Nomal), 50mm*, 70mm* *35mm format equivalent

Sensitivity

Standard Output

AUTO1 / AUTO2 / AUTO3 / ISO160~12800 (1/3EV step)

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

Lens Shutter

Shutter Speed

Mechanical Shutter	P mode: 4sec. to 1/4000sec. A mode: 30sec. to 1/4000sec. S/M mode: 15min. to 1/4000sec. 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
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.

Continuous Shooting

Approx. 11fps (JPEG: 38 frames, Lossless compression RAW: 17 frames, Uncompressed RAW: 17 frames)

Approx. 8.0fps (JPEG: 76 frames, Lossless compression RAW: 18 frames, Uncompressed RAW: 18 frames)

Approx. 6.0fps (JPEG: 220 frames, Lossless compression RAW: 21 frames, Uncompressed RAW: 18 frames)

Approx. 5.0fps (JPEG: 458 frames, Lossless compression RAW: 24 frames, Uncompressed RAW: 19 frames)

Approx. 4.0fps (JPEG: endless, Lossless compression RAW: 28 frames, Uncompressed RAW: 20 frames)

Approx. 3.0fps (JPEG: endless, Lossless compression RAW: 34 frames, Uncompressed RAW: 21 frames)

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

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

Approx. 20fps [Only electronic shutter] (JPEG: 32 frames, Lossless compression RAW: 17



frames, Uncompressed RAW: 17 frames)
 Approx. 10fps [Only electronic shutter, 1.25 x Crop] (JPEG: 153 frames, Lossless compression RAW: 18 frames, Uncompressed RAW: 18 frames)
 Approx. 10fps [Only electronic shutter] (JPEG: 81 frames, Lossless compression RAW: 18 frames, Uncompressed RAW: 18 frames)
 Approx. 8.0fps [Only electronic shutter, 1.25 x Crop] (JPEG: 90 frames, Lossless compression RAW: 18 frames, Uncompressed RAW: 18 frames)
 *Recordable frames depends on recording media
 *Speed of continuous shooting depends on shooting environment and shooting frames

Auto 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%)
 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
Type	Intelligent Hybrid AF (TTL contrast AF / TTL phase detection AF)
Low-light Performance	Contrast: -2.0EV Phase Detection: -5.0EV
AF frame selection	Single point AF: EVF / LCD: 13x9 / 25x17 (Changeable size of AF frame) Zone AF: 3x3 / 5x5 / 7x7 from 117 areas on 13x9 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: Daylight, 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)

Flash

Auto flash [Super Intelligent Flash]
 Effective range: (ISO 1600) approx. 30cm - 7.4m/1.0ft. - 24.3ft.
 Guide Number: approx. 4.4 (ISO100 · m)

Mode	TTL MODE (Flash Auto, Standard, Slow Sync.), Manual, Commander, OFF
Sync. Mode	1st Curtain, 2nd Curtain
Red eye removal	FLASH + REMOVAL, FLASH, REMOVAL, OFF

Hot Shoe

Yes (Dedicated TTL Flash compatible)

Hybrid Viewfinder

OVF	Reverse Galilean viewfinder with electronic bright frame display Coverage of frame area v.s. capturing area: approx. 95% Magnifications approx x0.52
EVF	0.5 inch approx. 3.69 millions dots OLED Color Viewfinder (4:3) Coverage of viewing area vs. capturing area: approx. 100% Eyepoint: approx. 16.8mm (from the eyepiece lens), Diopter adjustment: -4~+2m ⁻¹ Magnification: 0.66x with 50mm lens (35mm equivalent) at infinity and diopter set to -1m ⁻¹ Diagonal angle of view: approx. 32° (Horizontal angle of view: approx. 27°) Built-in eye sensor

LCD Monitor

3.0 inch, aspect ratio 3:2

approx. 1.62 millions dots tilting touch screen color LCD monitor (approx. 100% coverage)

Movie Recording

File format	Format: MOV, Compression: MPEG-4 AVC/H.264 Audio: Linear PCM / Stereo sound 2ch / 24bit / 48KHz sampling
File size Frame rate Recording time	[DCI 4K (4096x2160)] 29.97p/25p/24p/23.98p, 200Mbps/100Mbps, up to approx. 10min [4K (3840x2160)] 29.97p/25p/24p/23.98p, 200Mbps/100Mbps, up to approx. 10min [Full HD (2048x1080)] 59.94p/50p/29.97p/25p/24p/23.98p, 200Mbps/100Mbps/50Mbps, up to approx. 15min. [Full HD (1920x1080)] 59.94p/50p/29.97p/25p/24p/23.98p, 200Mbps/100Mbps/50Mbps, up to approx. 15min. [Full HD (1920x1080) High speed rec.] 120p/100p, 200Mbps(recording), up to approx. 6min. *For recording movies, use a SD memory card with UHS Speed Class 3 or higher. *Although movie recording will continue without interruption when the file size reaches 4GB, subsequent

Film Simulation Mode

17 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, Classic Neg) Monochromatic Color

Clarity setting	±5 steps
HDR mode	AUTO, 200%, 400%, 800%, PLUS
Grain Effect	Roughness: STRONG, WEAK, OFF / Size: LARGE, SMALL

Color chrome effect	STRONG, WEAK, OFF
Color chrome Blue	STRONG, WEAK, OFF

Dynamic Range Setting

Still: AUTO, 100%, 200%, 400%

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

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	IEEE802.11b/g/n (standard wireless protocol)
Encryption	WEP / WPA / WPA2 mixed mode
Access mode	Infrastructure

Bluetooth

Standard	Bluetooth Ver 4.2 (Bluetooth low energy)
Operating frequency (Center frequency)	2402 - 2480MHz

Terminal

Digital interface	USB Type-C (USB3.1 Gen1)
HDMI output	HDMI Micro connector (Type D)
Other	Microphone / shutter release input: ø2.5mm

Power Supply

NP-W126S Li-ion battery (included)

Battery life for still images ^{*4}	Approx. 350 / 420 frames (EVF / OVF Normal Mode)
Actual battery life of movie capture ^{*4} *Face detection is set to OFF	[4K] approx. 45min. (29.97p) [Full HD] approx. 50min. (59.94p)
Continuance battery life of movie capture ^{*4} *Face detection is set to OFF	[4K] approx. 50min. (29.97p) [Full HD] approx. 75min. (59.94p)



Dimensions

(W) 128.0mm × (H) 74.8mm × (D) 53.3mm / (W) 5.04in × (H) 2.94in × (D) 2.10in (minimum depth 32.7mm/1.29in)

Weight

Approx. 478g / 16.9oz (including battery and SD memory card)
Approx. 428g / 15.1oz (excluding battery and SD memory card)

Operating Environment

Operating Temperature	0°C~+40°C / 32°F~104°F
Operating Humidity	10%~80% (no condensation)

Start Up Period

Approx. 0.5sec.

Accessories Included

Li-ion battery NP-W126S, USB cable (type A to C), Lens cap, Hot shoe cover, Metal strap clip, Clip attaching tool, Protective cover, Shoulder strap, Owner's manual

*1 Please see the Fujifilm website to check SD 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.

