# Clifton Cameras Product Specification

## Fujifilm X100F Camera Full Spec

**Model Name** FUJIFILM X100F

**Number of effective pixels** 24.3 millions pixels

**Image sensor** 23.6mm x 15.6mm(APS-C)X-Trans CMOS III with primary color filter.

**Storage media** SD Card (-2G) / SDHC Card (-32G) / SDXC Card (-256G) UHS-I\*1

**File format**

Still image

JPEG (Exif Ver.2.3)\*2, RAW : 14bit RAW(RAF original format), RAW+JPEG

Movie

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

**Number of recorded pixels**

L: (3:2) 6000 x 4000 / (16:9) 6000 x 3376 / (1:1) 4000 x 4000

M: (3:2) 4240 x 2832 / (16:9) 4240 x 2384 / (1:1) 2832 x 2832

S: (3:2) 3008 x 2000 / (16:9) 3008 x 1688 / (1:1) 2000 x 2000

<Panorama>

L: 2160 x 9600 (Horizontal : 9600 x 1440)

M: 2160 x 6400 (Horizontal : 6400 x 1440)

**Lens**

name

FUJINON single focal length lens

focal length

f=23mm(35mm format equivalent : 35mm)

full-aperture

F2

constitution

6 groups 8 lenses (1 aspherical glass molded lens included)

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

**Focus distance**

Approx. 10cm - Infinity / 3.9in. - Infinity

**Sensitivity** Standard Output Sensitivity : AUTO1 / AUTO2 / AUTO3(up to ISO12800) / ISO200 to 12800(1/3EV step)

Extended output sensitivity : ISO100 / 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 recording : -3.0EV - +3.0EV)

**Shutter speed**

Mechanical Shutter

4 sec. to 1/4000 sec.(P mode), 30 sec. to 1/4000 sec.(All modes)

Bulb mode(up to 60 min), TIME : 30 sec. to 1/4000 sec.

Electronic Shutter\*3

30 sec. to 1/32000 sec.(P / A / S / M modes)

Bulb mode : 1 sec. fixed, TIME : 1sec to 1/32000sec.

Mechanical + Electronic Shutter

4 sec. to 1/32000 sec.(P mode), 30 sec. to 1/32000 sec.(All modes)

Bulb mode(up to 60 min), TIME : 30 sec. to 1/32000 sec.

**Continuous shooting** Approx. 8.0 fps (JPEG: 60 frames Lossless compression RAW: 25 frame Uncompressed RAW: 23 frames)

Approx. 5.0 fps (JPEG: 68 frames Lossless compression RAW: 28 frame Uncompressed RAW: 25 frames)

Approx. 4.0 fps (JPEG: 73 frames Lossless compression RAW: 29 frame Uncompressed RAW: 25 frames)

Approx. 3.0 fps (JPEG: 81 frames Lossless compression RAW: 32 frame Uncompressed RAW: 27 frames)

\* Recordable frame number may vary depending on the type of memory card used.

\* The frame rate varies with shooting condition and the number of images recorded.

**Auto bracketing** AE Bracketing(±2EV / ±5/3EV / ±4/3EV / ±1EV / ±2/3EV / ±1/3EV)

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**

mode

Single AF / Continuous AF / MF

type

Intelligent Hybrid AF (TTL contrast AF / TTL phase detection AF), AF assist illuminator available

AF frame selection

Single point AF: EVF / LCD / OVF: 13x7 / 25x13 (Changeable size of AF frame among 5 types),

Zone AF: 3x3 / 5x5 / 7x7 from 91 areas on 13x7 grid,

Wide/Tracking AF: (up to 9 area)

\* AF-S : Wide

\* AF-C : Tracking

**White balance** Automatic scene recognition / Custom / Color temperature selection (K) / 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 - 9.0m/1.6ft. - 29.5ft.

Guide Number: approx. 4.6(ISO100 · m)

**Flash modes**

FLASH MODE

TTL(FLASH AUTO / STANDARD / SLOW SYNC.) / MANUAL / COMMANDER / OFF

SYNC. MODE

1ST CURTAIN / 2ND CURTAIN

**Hot shoe** Yes (Dedicated TTL Flash compatible)

**Viewfinder**

(Hybrid viewfinder)

Optical viewfinder

Reverse Galilean viewfinder with electronic bright frame display

0.5x magnification, Coverage of frame area vs. capturing area : approx. 92%

Electronic viewfinder

0.48-in., approx. 2,360K-dot color LCD viewfinder, Coverage of viewing area vs. capturing area : approx. 100%

Eye point : approx. 15mm, Diopter adjustment : -2 ~ +1m-1(dpt), Built-in eye sensor

**LCD monitor** 3.0-inch, aspect ratio 3:2, approx.

1040K-dot TFT color LCD monitor (approx. 100% coverage)

**Movie recording**

Full HD (1920x1080)

59.94p / 50p / 29.97p / 25p / 24p / 23.98P, 36Mbps Continuous recording : up to approx. 14 min.

HD (1280x720)

59.94p / 50p / 29.97p / 25p / 24p / 23.98P, 18Mbps Continuous recording : up to approx. 27 min.

\* Use a card with SD Speed Class with Class 10 or higher

**Photography functions** Face / Eye detection AF, Auto Red-eye Removal, Select custom setting, Panorama, Color space, Setting (Color, Sharpness, D-range, Highlight tone, Shadow tone), Framing guideline, Frame No. memory, Histogram display, Preview depth of focus, Pre-AF, Control ring setting, Focus check, Focus Peak Highlight, Digital Split Image™ \*4, Electronic level, Multiple exposure, Release priority / Focus priority selection, Fn button setting , ISO AUTO control, ISO dial setting(AUTO / COMMAND) , ND Filter , Instant AF setting (AF-S/AF-C), Interlock spot AE & Focus area, Focus area setting, AEL/AFL button setting, Edit/Save Quick menu, Preview exp./WB in manual mode, Shutter Type

**Conversion lens** WIDE / TELE / OFF

**Digital Tele-Converter** 35mm\*(Nomal)、50mm\*、70mm\* \*35mm fomat equivalent

**Film Simulation mode** 15 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+GFilter, Sepia, ACROS, ACROS+Ye Filter, ACROS＋R Filter, ACROS＋G Filter)

**Grain Effect** STRONG , WEAK , OFF

**Dynamic range setting** AUTO, 100%, 200%, 400%

**Advanced filter** Toy camera / Miniature / Pop color / High-key / Low-key / Dynamic tone / Soft focus / Partial color (Red / Orange / Yellow / Green / Blue / Purple)

**Playback functions** RAW conversion, Image rotate, Auto image rotate, Face Detection, Red-eye reduction, Photobook assist, Erase selected frames, Multi-frame playback (with micro thumbnail), Slide show, Protect, Crop, Resize, Panorama, Favorites

**Wireless transmitter**

Standard

IEEE 802.11b / g / n (standard wireless protocol)

Access mode

Infrastructure

**Wireless function** Geotagging, Wireless communication (Image transfer), View & Obtain Images, Remote camera shooting, PC Autosave, instax printer print

**Other functions** Exif Print, 35 Languages, Date/Time, Time difference, Sound & Flash OFF, Performance Setting, Preview exp. in Manual mode, LCD Brightness, LCD Color, Preview Pic. Effect, DISP. Custom Setting , Copyright Setting

**Terminal**

Digital interface

USB2.0 (High-Speed) / micro USB terminal

\* connectable with Remote Release RR-90 (sold separately)

HDMI output

HDMI micro connector (Type D)

Other

Φ2.5mm, stereo mini connector [Microphone]

**Power supply** NP-W126S Li-ion battery (included)

Battery life for still images\*5

Standard : Approx. 270 frames (EVF) / 390 frames (OVF)\*5

Actual battery life of movie capture\*5

\*Face detection is set to OFF

FULL HD: approx. 60 min.

Continuance battery life of movie capture\*5

\*Face detection is set to OFF

FULL HD: approx. 95 min.

**Dimensions** 126.5mm (W) x 74.8mm (H) x 52.4mm (D) / 4.98in. (W) x 2.94in. (H) x 2.06in. (D)

(Minimum Depth : 32.0mm / 1.26 in.)

**Weight** Approx. 469g / 16.5 oz. (including battery and memory card)

Approx. 419g / 14.8 oz. (excluding accessories, battery and memory card)

**Operating Temperature** 0°C - 40°C (+32°F - +104°F)

**Operating Humidity** 10 - 80% (no condensation)

**Battery life for movies** Consecutive movie recording : approx. 80 min. (Face detection is set to OFF)

\* Individual movies cannot exceed approx. 14 min. on Full HD mode, and approx. 27 min. on HD mode in length.

**Starting up period** Approx 0.5 sec.

\* Fujifilm research

**Accessories included** Li-ion battery NP-W126S

Battery charger BC-W126

Shoulder strap

Lens cap

Metal strap clip

Protective cover

Clip attaching tool

USB cable

Owner's manual

\*1 Please see the Fujifilm website (http://www.fujifilm.com/support/digital\_cameras/compatibility/card/x/) to check 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 Digital Split Image is a trademark or a registered trademark of FUJIFILM Corporation.

\*5 Approximate number of frames / period that can be taken with a fully-charged battery based on CIPA standard.

**Memory Card Capacity and Image Quality / Size**

All figures are approximate; file size varies with the scene recorded, producing wide variations in the number of files that can be stored.

Number of images

Modes Still image (L)

Number of recorded pixels 6000 x 4000 (3:2)

Quality JPEG FINE JPEG NORMAL

SDHC memory card 8 GB 809 1210

16 GB 1668 2494

Number of images

Modes Still image (M)

Number of recorded pixels 4240 x 2832 (3:2)

Quality JPEG FINE JPEG NORMAL

SDHC memory card 8 GB 1608 2396

16 GB 3315 4940

Number of images

Modes Still image (S)

Number of recorded pixels 3008 x 2000 (3:2)

Quality JPEG FINE JPEG NORMAL

SDHC memory card 8 GB 3304 4439

16 GB 6253 9149

Number of images

Modes RAW

SDHC memory card 8 GB 232

16 GB 480

Recording time

Modes Movie

Quality FULL HD (1920 x 1080) 60p HD (1280 x 720) 60p

SDHC memory card 8 GB 26 min. 51 min.

16 GB 54 min. 105 min.