FUJIFILM X100F

Specifications

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

Dimensions	FULL HD: approx. 95 min. 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