X100F Specification

Model name		FUJIFILM X100F
Number of effective pixels		24.3 million pixels
Image sensor		23.6mm×15.6mm (APS-C) X-Trans CMOS III with primary color filter.
Storage media		SD Card (~ 2GB) / SDHC Card (~ 32GB) / SDXC Card (~ 256GB) 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> 6000×4000 / <16:9> 6000×3376 / <1:1> 4000×4000
		M: <3:2> 4240×2832 / <16:9> 4240×2384 / <1:1> 2832×2832
		S: <3:2> 3008×2000 / <16:9> 3008×1688 / <1:1> 2000×2000
		<Panorama>
		L: 2160×9600 (Horizontal: 9600×1440)
		M: 2160×6400 (Horizontal: 6400×1440)
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 to infinity / 3.9in. to infinity
Sensitivity	Standard Output	AUTO1/AUTO2/AUTO3 (up to ISO12800) / ISO200 - 12800 (1/3EV step)
	Extended Output	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: -3.0EV - +3.0EV)
Shutter speed	Mechanical Shutter	4sec. to 1/4000sec. (P mode), 30sec. to 1/4000sec. (All modes)
		Bulb mode (up to 60min.)
		TIME: 30sec. to 1/4000sec.
	Electronic Shutter*3	30sec. to 1/32000sec. (P/A/S/M modes)
		Bulb mode: 1sec. fixed
		TIME: 30sec. to 1/32000sec.
	Mechanical + Electronic Shutter	4sec. to 1/32000sec.(P mode), 30sec. to 1/32000sec. (All modes)
		Bulb mode(up to 60min.)
		TIME: 30sec. to 1/32000sec.
Continuous shooting		Approx. 8.0fps (JPEG: 60 frames Lossless compression RAW: 25 frame Uncompressed RAW: 23 frames)
		Approx. 5.0fps (JPEG: 68 frames Lossless compression RAW: 28 frame Uncompressed RAW: 25 frames)
		Approx. 4.0fps (JPEG: 73 frames Lossless compression RAW: 29 frame Uncompressed RAW: 25 frames)
		Approx. 3.0fps (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: 13×7 / 25×13 (Changeable size of AF frame among 5 types)
		Zone AF: 3×3 / 5×5 / 7×7 from 91 areas on 13×7 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: (ISO1600) 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
		0.5× 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 adjustmen: -2 to +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 1920×1080: 59.94p / 50p / 29.97p / 25p / 24p / 23.98p, 36Mbps
		Continuous recording: up to approx. 14min.
		HD 1280×720: 59.94p / 50p / 29.97p / 25p / 24p / 23.98p, 18Mbps
		Continuous recording: up to approx. 27min.
		*Use a card with SD Speed Class with CLASS⑩ 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,
		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./WB 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	ø2.5mm, stereo mini connector (Microphone) / ø2.5mm, 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. 60min.
	Continuance battery life of movie capture*5 *Face detection is set to OFF	Full HD: approx. 95min.
Dimensions		126.5mm(W) × 74.8mm(H) × 52.4mm(D) / 4.98in.(W) × 2.94in.(H) × 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)
Starting up period		Approx. 0.5 sec.
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 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.

FUJIFILM
Value from Innovation

X100F

THE ORIGIN
X100's Brave New World

http://fujifilm-x.com/x100f/

Specifications are subject to change without notice
For more information, please visit our website
http://www.fujifilm.com/products/digital_cameras/index.html

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The X100F signifies the achievement of new heights in Fujifilm's endless pursuit of perfection in photography.
Perfection means creating a system that allows photographers to control, frame, and create with style, ease, and purpose.
A long-anticipated iteration of the X100 series, the X100F is a powerful addition to FUJIFILM X Series,
offering photographers the versatility of endless creativity.

X100F

Control

The Joy of Full Operational Control

| Shutter Speed Dial | Built-in ISO Dial | Exposure Compensation Dial | Aperture Ring |

Intuitive Analog Operation The X100F inherits X Series' traditional design philosophy. Practical and beautiful, the X100F allows you to check exposure settings with a quick glance at its top plate even when the camera is turned off. The layout of the original X Series model, X100, persists in this new model, with dials surrounding the shutter release button. The shutter speed dial and the exposure compensation dial, made of milled metal for premium tactile quality, are knurled for added operability and comfort.

Built-In ISO Dial The X100F features the ISO dial built into the shutter speed dial, reminiscent of film cameras from yesteryear. You can adjust the ISO by lifting the outer portion of the dial and selecting the desired ISO number shown in the small viewing window. Set the ISO Dial to "A" and select "Command" in the ISO DIAL SETTING (A) in the camera menu to enable quick ISO adjustments with the Front Command Dial.

"C" Position for Enabling ±5-Step Exposure Compensation The ergonomically placed exposure compensation dial supports compensation of up to ±3-step in 1/3 steps. Put the dial into "C" position and operate the Front Command Dial to achieve exposure compensation of up to ±5-step while checking the results in your EVF in real time. This lets you capture perfectly exposed moments exactly as intended.

| Selector Buttons | Command Dials | Focus Lever |

Rear Button Layout, Allowing You to Carry Out All Operations with One Hand All operational features that are frequently used while shooting are concentrated to the right of the X100F's LCD monitor for easy and quick operation with your right thumb. Now, you're free to carry out all operations while holding the camera firmly in one hand, allowing you to direct full attention to your subject.

Focus Lever for Quick Selection of Focus Areas The X100F is the first lens-integrated X Series camera that features the Focus Lever. It moves in eight directions (up / down, right / left and diagonally) so that you can swiftly move your AF point selection while maintaining composition.

Viewfinder

Hybrid Viewfinder

Advanced Hybrid Viewfinder The Advanced Hybrid Viewfinder combines the features of an optical viewfinder (OVF) and electronic viewfinder (EVF). Operate the viewfinder switch lever at the front of the camera body to instantly switch between OVF and EVF. You can also apply the electronic display which shows a focus area over the OVF screen to take advantage of Focus Peaking and Digital Split Image functions even in the OVF mode for accurate focusing in real time.

Electronic Viewfinder (EVF)

Optical Viewfinder (OVF)
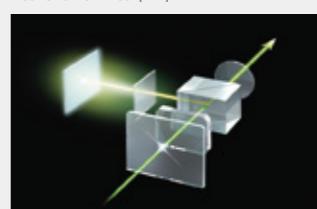
Advanced Hybrid Viewfinder
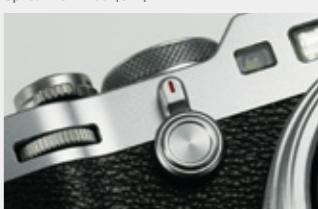
Viewfinder Switch Lever at the Front of the Camera Body

Electronic Rangefinder (ERF) The Electronic Rangefinder shows the EVF in a small window at the bottom right corner of the OVF. The EVF in the ERF mode has 100% finder coverage and can display a focus area in 2.5x and 6x magnification. While composing with the OVF, you can check the EVF window for exposure, white balance and other details to be reflected in your actual pictures. Use the MF Assist function for highly accurate manual focusing.

Electronic Rangefinder (ERF)
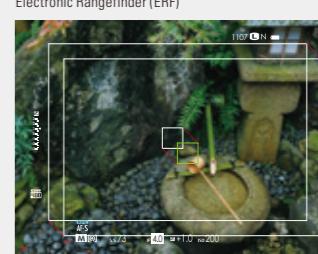
Real Time Parallax Correction Parallax, i.e. a displacement of the shooting frame in the viewfinder from the actual area to be photographed especially in close-ups, is automatically corrected in real time. Even in OVF mode, the X100F automatically corrects the position of the shooting frame and focus area upon focusing, and displays them correctly for more accurate composition.

FUJIFILM X100F + Toshimitsu Takahashi
1/45sec. F4.0 ISO3200

Film Simulation

Traditional Colors of Fujifilm

PROVIA Standard
Standard mode that accommodates a diverse range of scenes

Velvia Vivid
Reproduction of vivid primary colors, ideal for landscape and nature photography

ASTIA Soft
Soft tones combined with a saturated pop of colors.

ACROS Monochrome
New monochrome mode with perfectly rich gradation

CLASSIC CHROME
Added tonal depth for a documentary photography look

PRO Neg. Hi
Natural skin tone reproduction

PRO Neg. Std
Soft tones with low saturation for unique snapshots
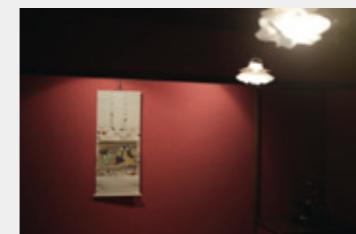
MONOCHROME (+Ye/R/G FILTER)
Standard monochrome mode that accommodates a diverse range of scenes

SEPIA
Warm sepia tone for a retro effect

Film Simulation A manufacturer of photographic film for over 80 years, Fujifilm has always been dedicated to achieving premium image quality across both analog and digital spectrums. The X100F features 15 Film Simulation options including PROVIA/Standard, Velvia/Vivid and ASTIA/Soft, which are named after Fujifilm's most renowned photographic films. They deliver warm skin tones, crisp blue hues of the sky and vivid green of lush greenery exactly as your mind remembers in your memory. This is the first X100 Series model to feature ACROS, delivering smooth gradation, deep blacks and beautiful textures that set it apart from the conventional Monochrome mode.

Performance

0.08 seconds*[1]	0.2 seconds*[2]	approx. 0.5 seconds	0.01 second	8.0fps
Fastest AF Speed	Shortest Shooting Interval	Startup Time	Shortest Shutter Release Time Lag	Fastest Continuous Shooting Frame Rate

Newly Developed APS-C Sensor, X-Trans CMOS III The X100F features the X-Trans CMOS III sensor specifically designed for the X Series. The X-Trans CMOS III uses an aperiodic color filter array to eliminate the need for an optical low-pass filter. The 24.3MP APS-C sensor controls noise beautifully despite its increased pixel count, allowing the standard sensitivity range to be boosted to ISO12800, which was in the extended sensitivity range in previous models. Additionally, the phase detection area has been expanded to enable phase detection AF, allowing the camera to function with greater speed and accuracy than ever before.
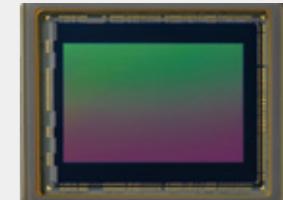
All New Engine, X-Processor Pro The X100F uses newly developed X-Processor Pro as its image processing engine, achieving processing speeds of about 4 times faster than previous models. It draws out the full capability of the X-Trans CMOS III sensor which supports high-speed data read to dramatically improve response time. The X-Processor Pro also helps display a moving subject more smoothly, thanks to the improvement of the refresh rate to 60fps for the LCD monitor and EVF's Live View mode. The engine has reduced the camera's startup time to 0.5 seconds, shortening the time required from powering on to shooting - so you won't miss a beat.
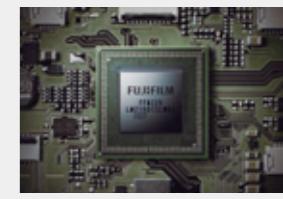
Autofocus

Expanded Phase Detection AF Area and Enhancement of Basic AF Performance
The X100F features phase detection AF using phase detection pixels on the sensor. The phase detection area on the sensor has been increased by approx. 230% as compared to previous models. The camera uses 91 focus points (up to 325 points) for high-speed and high-accuracy focusing as compared to 49 points in previous models The AF algorithm itself has been revised to ensure accurate focusing even in difficult conditions such as low-contrast scenes in overcast weather.
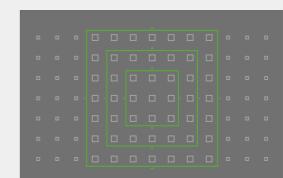
Choice of Six AF Modes to Suit Each Scene The X100F offers AF-S for stationary subjects and AF-C for moving subjects. For both options, you can choose either Single Point AF, Zone AF or Wide / Tracking AF, in which the camera automatically selects multiple areas for focusing. In the Single Point AF and Zone AF modes, use the Focus Lever beside the LCD monitor to instantaneously change the location and size of focus areas.

*[1] Fujifilm research based on CIPA guidelines. *[2] MF Mode.

FUJIFILM X100F + Toshimitsu Takahashi
1/64sec. F2.0 ISO200

FUJIFILM X100F + Toshimitsu Takahashi
1/64sec. F2.0 ISO500

Functions

Functions That Inspire a Fresh Perspective

Adv. Filter   ND Filter   Multiple Exposure   Electronic Shutter   Movie Video Recording

Drive Mode The X100F offers video recording, single-frame shooting, continuous shooting of 3fps, 4fps, 5fps or 8fps, as well as five types of auto bracketing, i.e. exposure, ISO sensitivity, dynamic range, Film Simulation and white balance.

Advanced Filters Use this function to apply various filter effects to broaden your scope of artistic expressions. There are eight filters available, including High Key for reduced contrast and brighter tones overall, Toy Camera for a retro appearance, and Partial Color for retaining a specific color range and turning the rest into monochrome. You can check the filter effect in real time while shooting through your EVF and LCD.

Toy Camera   Miniature   Pop Color   High Key

Low Key   Dynamic Tone   Soft Focus   Partial Color
(Red / Orange / Yellow / Green / Blue / Purple)
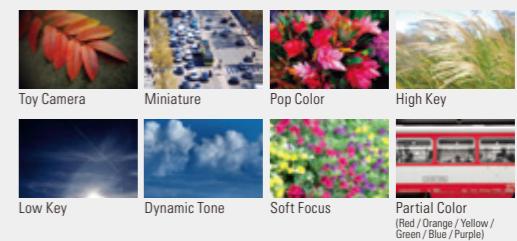
ND Filter for Manipulating Light The X100F's lens has a built-in ND filter which is useful when shooting with the aperture wide open in bright light or when opting to use a slow shutter speed. The 3-stop ND filter cuts down the amount of light to 1/8; it can be turned ON or OFF easily with the function button or from the camera menu.

ND Filter OFF   ND Filter ON

Ultra-Fast Electronic Shutter at 1/32000sec. Featuring a durable leaf shutter that withstands 100,000 actuations and an electronic shutter with silent operation, the X100F is a formidable photographic tool. When operating on electronic shutter, the camera delivers an ultra-high shutter speed of up to 1/32000 sec to achieve correct exposure even in strong daylight or when shooting with the aperture wide open. You can switch the shutter sound setting to OFF in a quiet church or during a concert for total discretion.

Auto Macro For Close-up Shots Automatically switch to an AF mode optimized for close-up photography. Minimum working distance: 10cm. Outstanding shooting range and exceptional performance in a variety of scenes set this lens apart.


Extended Full-HD Video Recording Full HD video recording is supported in six frame rates (59.94p / 50p / 29.97p / 25p / 24p / 23.98p) with improved AF tracking performance as compared to previous models. You can adjust aperture, shutter speed and exposure compensation settings while recording. Film Simulation effects can also be applied to video for versatile and artistic video output.

Velvia   ACROS
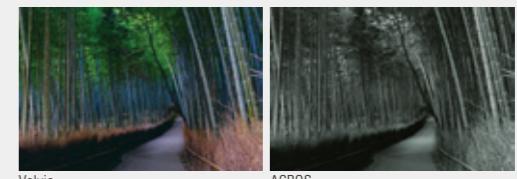
Accessories

Accessories for Broadening Your Photographic Expressions

28mm*	**35mm***	**50mm***	* Equiv. 35mm format
With Wide Conversion Lens	Normal	With Tele Conversion Lens	

Conversion Lenses The WCL-X100 II Wide Conversion and the TCL-X100 II Teleconversion Lenses expand the X100F's shooting field while perfectly retaining the advanced image quality and performance of the camera's fixed FUJINON 23mmF2 Prime Lens. Their elegant design, created specifically for the X100 Series, is in total harmony with the X100F. These conversion lenses are optically designed to draw out the performance of X100F's lens to the maximum extent, delivering premium image quality without affecting the lens' f-stop value. The camera body automatically recognizes when a conversion lens is mounted and displays framing guidelines indicating the shooting area when in OVF mode.

Original (Without Wide Conversion Lens)   With Wide Conversion Lens   Original (Without Teleconversion Lens)   With Teleconversion Lens

Digital Teleconverter Activate the Digital Teleconverter to achieve an angle of view equivalent to 50mm or 70mm in addition to the built-in 35mm perspective. This function is perfect for discreetly getting a little closer or to accentuate certain features in your frame. Using the EVF or LCD to check your image in real time allows you to maintain full concentration on your subject matter while shooting.

CONTROL RING SETTING
STD
WB
DIGITAL TELE-CONV.

35mm*(Normal)   50mm*   70mm*   * Equiv. 35mm format

Wide Conversion Lens	**Teleconversion Lens**	**Lens Hood**	**Protector Filter**
WCL-X100S II (Silver) WCL-X100B II (Black)	TCL-X100S II (Silver) TCL-X100B II (Black)	LH-X100 (Silver) LH-X100 B (Black)	PRF-49S

Shoe-Mount Flash	**Shoe-Mount Flash**	**Leather Case**
EF-X500	EF-X20	LC-X100F BW (Brown) LC-X100F B (Black)

FUJIFILM X100F + Toshimitsu Takahashi
1/100sec. F5.6 ISO200 / with Wide Conversion Lens