

FUJIFILM

Fujifilm X-S1: The bridge camera, reinvented

The Fujifilm X series of premium cameras has a third model – the X-S1 – and just like the two before it, this latest addition sets new standards in design and performance.

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The X-S1 represents a new breed of bridge cameras. Built in Japan to exacting standards, the body has a high-quality look and feel with metal dials, a rubberised coating and superior handling characteristics that will appeal to the discerning photo enthusiast.

In addition, the X-S1 offers a premium picture-taking performance to match its looks. From the high-quality Fujinon 26x optical zoom lens through to the EXR sensor taken from the X10 and the wide range of functions, the X-S1 puts the photographer in complete control.

Maximum optical versatility

The centrepiece of the X-S1 is the Fujinon 26x optical zoom lens. Offering a range of 24-624mm (35mm equivalent) it caters perfectly for every photographic need and features a bright f/2.8 maximum aperture at the wide-angle setting.

This optical range is boosted further by Fujifilm's Intelligent Digital Zoom capability, which effectively doubles the focal range without the drop in picture quality normally associated with digital zoom functions. As a result, the X-S1 offers users an incredible 52x zoom range of 24-1248mm (35mm equivalent).

Optically, the lens comprises 17 glass elements, which includes four aspherical elements and two ED lenses, to deliver images with superb edge-to-edge sharpness and amazing clarity. The lens' construction is of the highest standard, featuring metal cams for smooth zoom control and fast, precise framing. The X-S1 is also ideally suited to capturing subjects close up. In standard mode, the zoom focuses down to 30cm, but by selecting Super Macro Mode, users can focus down to 1cm for frame-filling close-up images. Furthermore, the lens' aperture is made up of nine blades for excellent bokeh effect photography.

Great results in every picture-taking scenario

The X-S1 features the same 2/3-inch 12 megapixel EXR CMOS sensor as the X10 which ensures high quality images regardless of the lighting conditions.

The unique EXR CMOS technology pioneered by Fujifilm allows the user to switch between three modes depending on the lighting conditions – or leave the camera to make its own choice in the Auto EXR mode. Switching between the modes changes the performance of the sensor. The High Resolution option is perfect in bright conditions or when the very best picture quality is the primary aim. Wide Dynamic Range mode should be chosen in scenes of high contrast when the user wants to get details in both shadow and highlight areas of an image, while the High Sensitivity & Low Noise option should be selected for optimum results in low light conditions.

Coupled to the EXR CMOS sensor is the high speed EXR processor, which offers a minimal shutter lag of just 0.01sec and a high speed continuous shooting capability of seven frames-per-second at full resolution (Large JPEG) or 10 frames-per-second at six megapixel resolution (Medium JPEG).

The X-S1 also takes high-quality movies. It captures Full High Definition (1920 x 1080 pixels) video with stereo sound at 30 frames-per-second, which is saved in the H.264 format.

Easy composition and image review

The X-S1 offers a powerful combination of high quality electronic viewfinder and rear LCD to ensure composing and viewing images is quick and simple, regardless of the lighting conditions.

The 0.47-inch electronic viewfinder (EVF) features 1.44 million pixels for superb image clarity and has a wide viewing area of 26 degrees to reduce eye strain. The bright EVF makes it easy to check settings or adjust focus manually.

On the back of the X-S1 is a high quality, tiltable three-inch LCD. It features 460,000 pixels making it easier for users to scroll through menus, assess exposure accuracy and view images. The LCD also offers a useful Daylight mode that overcomes the problem of viewing the screen in bright conditions.

Full user control and picture taking versatility

The X-S1 offers a superb level of functionality whether users want to make picture taking as simple as using a compact or as involved as a fully-manual digital SLR.

For simplicity, the X-S1 will assess the subject and then select the relevant scene mode for the perfect result, automatically switching the EXR CMOS sensor accordingly. Not only does it ascertain the type of scene being photographed, it can also calculate whether an image contains a person, features backlighting or has any subject movement. ISO settings are taken care of too by the Auto ISO mode, which selects the optimum setting between ISO 100 and 3200. Those after more ISO flexibility can select up to ISO 12800 (Small JPEG format only).

Photographers after full control are well catered for with the X-S1. The camera offers a full range of conventional shooting functions (program/aperture-priority/shutter-priority/manual), plus users can also fine tune levels of colour, image sharpness and tone. Additionally, the X-S1 provides four auto bracketing options, eight Film Simulation and white balance functions and a Raw file format.

Fujifilm X-S1 key features

High quality Fujinon 26x optical zoom covering 24-624mm (35mm equivalent) with Intelligent Digital Zoom boosting range up to 1248mm

Superb build quality and finish with rubberised coating and metal dials

12 megapixel EXR CMOS sensor

Up to 10 frames-per-second shooting

Large EVF with 1.44 million pixels and 26 degree viewing angle

Tiltable three-inch rear LCD with Sunny Day mode

Full HD video

PASM modes

Raw file format

Film simulation modes

Macro focusing down to 1cm

Lithium battery providing up to 500 shots per charge

Optical image stabilisation

360° Motion Panorama mode

X-S1 Specification

Number of effective pixels	12.0 million pixels
Image sensor	2/3-inch EXR CMOS with primary colour filter
Storage media	Internal memory (approx. 26 MB) SD/ SDHC/ SDXC(UHS-I) memory card *1
File format (still image)	JPEG (Exif Ver 2.3), RAW (RAF format), RAW+JPEG (Design rule for Camera File system compliant / DPOF-compatible)
(movie)	H.264(MOV) with Stereo sound
Number of recorded pixels	L : <4:3> 4000 x 3000 <3:2> 4000 x 2664 <16:9> 4000 x 2248 <1:1> 2992 x 2992 M : <4:3> 2816 x 2112 <3:2> 2816 x 1864 <16:9> 2816 x 1584 <1:1> 2112 x 2112

S : <4:3> 2048 x 1536 <3:2> 2048 x 1360
<16:9> 1920 x 1080 <1:1> 1536 x 1536

	<Motion Panorama>
	360° Vertical 11520 x 1624 Horizontal 11520 x 1080
	180° Vertical 5760 x 1624 Horizontal 5760 x 1080
	120° Vertical 3840 x 1624 Horizontal 3840 x 1080
Lens (name)	Fujinon 26x optical zoom lens
(focal length)	f=6.1 - 158.6mm, equivalent to 24-624mm on a 35mm camera
(full-aperture)	F2.8 (Wide) - F5.6 (Telephoto)
(constitution)	12 groups 17 lenses (4 aspherical glass moluded lenses included)
Digital zoom	Intelligent digital zoom approx. 2x (1.4) (up to 52x when combined with optical zoom)
Aperture	F2.8-F11(Wide) F5.6-F11(Telephoto) 1/3AV step (controlled 9-blade aperture diaphragm)
Focus distance (from lens surface)	Normal : Wide: Approx. 30cm / 0.9 f t . to infinity Telephoto: Approx. 2.0m / 6.5ft. to infinity Macro: Wide: Approx. 7cm - 3.0m / 2.8in. - 9.8ft. Telephoto: Approx. 2.0m - 3.0m / 6.5ft. - 9.8ft. Super Macro: Approx. 1.0cm -1.0m / 0.4in. - 3.3ft.
Sensitivity	Auto, Equivalent to ISO 100/200/250/320/400/500/640/800/1000/1250/1600/2000/2500/3200/4000*/5000*/6400*/12800* (Standard Output Sensitivity) *ISO4000/5000/6400 : M mode or lower, ISO12800 : S mode
Exposure control	TTL 256-zones metering, Multi, Spot, Average
Exposure mode	Programmed AE, Aperture Priority AE, Shutter Priority AE, Manual
Shooting modes	SP: Natural Light & Flash, Natural Light, Portrait, Portrait Enhancer, Dog, Cat, Landscape, Sport, Night, Night (Tripod), Fireworks, Sunset, Snow, Beach, Party, Flower, Text
(MODE DIAL)	EXR, AUTO, Adv., SP, C3, C2, C1, M, A, S, P,
Image stabiliser	Lens shift type
Face detection	Yes
Exposure compensation	-2.0EV - +2.0EV 1/3EV step
Shutter speed	(Auto mode) 1/4 sec. to 1/4000* sec. , (All other modes) 30 sec. to 1/4000* sec.
Continuous shooting (TOP)	Super High : approx. 10fps (Size M,S) High : approx. 7fps (Size L,M,S) Middle : approx. 5fps (Size L,M,S) Low : approx. 3fps (Size L,M,S) * SD memory card with a class 4 write speed (4 MB/sec.) or better is recommended. * The frame rate varies depending on the shooting conditions or numbers of frames in continuous shooting.
(LAST)	-
(others)	Best Frame capture: Super High : approx. 10fps 8/16 frames (Size M,S) High : approx. 7fps 8frames (Size L,M,S)/16 frames (Size M,S) Middle : approx. 5fps 8frames (Size L,M,S)/16 frames (Size M,S) Low : approx. 3fps 8frames (Size L,M,S)/16 frames (Size ,M,S)
Auto bracketing	AE Bracketing : ±1/3EV,±2/3EV,±1EV Film Simulation Bracketing : PROVIA/STANDARD, Velvia/VIVID, ASTIA/SOFT Dynamic Rang Bracketing : 100%/200%/400% ISO Sensitivity Bracketing : ±1/3EV,±2/3EV,±1EV
Focus (mode)	Single AF / Continuous AF (EXR AUTO, Movie),

		Manual AF (One-push AF mode included)
(type)		TTL contrast AF, AF assist illuminator available
(AF frame selection)		Multi, Area, Tracking
White balance		Automatic scene recognition Preset: Fine, Shade, Fluorescent light (Daylight), Fluorescent light (Warm White), Fluorescent light (Cool White), Incandescent light, Custom, colour temperature selection(2,500K~10,000K)
Self-timer		10 sec./ 2 sec. delay
Flash		Auto flash (super intelligent flash) Effective range: (ISO AUTO(800)) Wide: Approx. 30cm - 8.0m / 0.9ft. - 26.2ft. Telephoto: Approx. 2.0m - 5.0m / 6.5ft. - 16.4ft.
Flash modes		Red-eye removal OFF: Auto, Forced Flash, Suppressed Flash, Slow Synchro. Red-eye removal ON: Red-eye Reduction Auto, Red-eye Reduction & Forced Flash, Suppressed Flash, Red-eye Reduction & Slow Synchro.
Hot shoe		YES
Viewfinder		0.47-inch, approx. 1440,000 dots, TFT colour LCD monitor, approx. 100% coverage Approx. 100% coverage Diopter adjustment : -5 - +3m-1(dpt)
LCD monitor		3.0-inch, approx. 460,000 dots, TFT colour LCD monitor, approx. 100% coverage
Movie recording		1920 x 1080 pixels / 1280 x 720 pixels/ 640 x 480 pixels (30 frames / sec.) with stereo sound Optical zoom (manual) can be used.
Photography functions		EXR mode (EXR Auto / Resolution priority / High ISO & Low noise priority / Dynamic range priority), Face recognition, Face Detection, Auto red-eye removal, Film simulation, Framing guideline, Frame No. memory, Histogram display, Best frame capture, Advanced mode (Motion panorama360, Pro focus, Pro low light), High Speed Movie (70/ 120/ 200 frames/sec.) , Electronic level, One-touch RAW, Advanced Anti Blur
Playback functions		Face Detection, Auto red-eye removal, Multi-frame playback (with micro thumbnail), Protect, Crop, Resize, Slide show, Image rotate, Voice memo, Histogram display, Exposure warning, Photobook assist, Image search, favourites, Mark for upload, Panorama, Erase selected frames, RAW conversing
Other functions		PictBridge, Exif Print, 35 Languages, Time difference, Silent mode, Sutter sound
Terminal	(Video output)	NTSC / PAL selectable with Monaural sound
	(Digital interface)	USB 2.0 High-Speed
	(HDMI output)	HDMI Mini connector
	(External microphone)	φ3.5 Mini with Stereo sound
Power supply		NP-95 Li-ion battery (included)
Dimensions		135(W) x 107 (H) x 149 (D) mm / 5.3 (W) x 4.2 (H) x 5.9 (D) in.
Weight		Approx. 920g / 32.5oz. (including battery and memory card) Approx. 880g / 31.0oz. (excluding battery and memory card)
Operating Temperature		0°C - 40°C
Operating Humidity		10% - 80% (no condensation)
Guide to the number of available frames for battery operation		approx. 460 frames *2 approx. 500 frames (using EVF)
Accessories included		Li-ion battery NP-95 Battery charger BC-65N Shoulder strap Lens cap and Lens cap cord Lens hood USB cable CD-ROM Owner's manual
Optional accessories		Li-ion battery NP-95 Battery charger BC-65N

Shoe Mount Flash EF-42/EF-20
Remote release RR-80

[Click here to watch the Fujifilm X-S1 product video](#) ↗

Availability : first trimester of 2012

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