

Specifications for Fujifilm FinePix F850EXR 16MP Digital Camera

Model name	FinePix F850EXR
Number of effective pixels	16.0 million pixels
Image sensor	1/2-inch EXR CMOS with primary color filter
Storage media	• Internal memory (approx. 21MB) • SD/SDHC/SDXC(UHS-I) memory card^{*1}
File format	still image JPEG (Exif Ver 2.3)^{*2}, (Design rule for Camera File system compliant / DPOF-compatible) movie H.264 (MOV) Linear PCM / stereo sound
Number of recorded pixels	Still image L : (4:3) 4608 x 3456 / (3:2) 4608 x 3072 / (16:9) 4608 x 2592 / (1:1) 3456 x 3456 M : (4:3) 3264 x 2448 / (3:2) 3264 x 2176 / (16:9) 3264 x 1840 / (1:1) 2432 x 2432 S : (4:3) 2304 x 1728 / (3:2) 2304 x 1536 / (16:9) 1920 x 1080 / (1:1) 1728 x 1728 <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 20x optical zoom lens focal length f=4.6 - 92mm, equivalent to 25 - 500mm on a 35mm format full-aperture F3.5(Wide) - F5.3(Telephoto) constitution 11 groups 14 lenses
Digital zoom	EXR Auto mode : Intelligent digital zoom approx. 2x (up to approx. 40x, with 20x optical zoom)

	Other than EXR Auto mode : Intelligent digital zoom approx. 3.4x (up to approx. 68x, with 20x optical zoom)
Aperture	F3.5 / F7.1 / F10(Wide) F5.3 / F11 / F16(Telephoto) with ND filter
Focus distance (from lens surface)	Normal Wide : Approx. 45cm / 1.4ft. to infinity Telephoto : Approx. 2.5m / 8.2ft. to infinity Macro Wide : Approx. 5cm - 3.0m / 1.9in. - 9.8ft. Telephoto : Approx. 1.3m - 3.0m / 4.2ft. - 9.8ft.
Sensitivity	Auto, Equivalent to ISO 100 / 200 / 400 / 800 / 1600 / 3200 / 6400* / 12800* (Standard Output Sensitivity) * 6400 : M mode or lower, ISO12800 : S mode
Exposure control	TTL 256-zone metering, Multi / Spot / Average
Exposure mode	Programmed AE, Aperture Priority AE, Shutter Priority AE, Manual exposure
Shooting modes	SP Portrait, Portrait enhancer, Landscape, Sport, Night, Night (Tripod), Fireworks, Sunset, Snow, Beach, Underwater, Party, Flower, Text MODE DIAL EXR, P, S, A, M, SP, Adv, AUTO
Image stabilizer	CMOS shift type
Exposure compensation	-2.0EV - +2.0EV 1/3EV step
Shutter speed	(Auto mode) 1/4 sec. to 1/2000 sec., (All other modes) 8 sec. to 1/2000 sec.
Continuous shooting	TOP H : approx. 9.0 fps (max. 5 frames) M : approx. 6.0 fps (max. 5 frames) L : approx. 3.0 fps (max. 5 frames) SH : approx. 13 fps (max.19 frames ; Size M,S) Last -

Best Frame capture

H : approx. 9.0 fps 7 frames (Size L,M,S)
M : approx. 6.0 fps 7 frames (Size L,M,S)
L : approx. 3.0 fps 7 frames (Size L,M,S)
SH : approx. 13 fps 14 frames (Size M,S)

Auto Bracketing

AE Bracketing : $\pm 1/3\text{EV}$, $\pm 2/3\text{EV}$, $\pm 1\text{EV}$
Film Simulation Bracketing : PROVIA / STANDARD, Velvia / VIVID, ASTIA / SOFT
Dynamic Range Bracketing : 100% / 200% / 400%

Focus

Mode

Single AF / Continuous AF (EXR AUTO, Movie)

Type

TTL contrast AF, AF assist illuminator available

AF frame selection

Center, Multi, Tracking

White balance

Automatic scene recognition

Preset

Fine, Shade, Fluorescent light (Daylight), Fluorescent light (Warm White),
Fluorescent light (Cool White), Incandescent light, Underwater, Custom

Self-timer

Approx. 10 sec. / 2 sec. Delay / Auto release

Flash

Auto flash (super i-flash)
Effective range : (ISO AUTO)

Normal

- Wide : Approx. 15cm - 3.7m / 5.9in. - 12.1ft.
- Telephoto : Approx. 90cm - 2.4m / 2.9ft. - 7.8ft.

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

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LCD monitor

3.0-inch, approx. 920K-dot, TFT color LCD monitor, approx. 100% coverage

Movie recording	1920 x 1080 pixels / 1280 x 720 pixels (60 fps) / 640 x 480 pixels (30 fps) with stereo sound. Optical zoom function can be used.
Photography functions	EXR mode (EXR Auto / Resolution priority / High ISO & Low noise priority / Dynamic range priority), Face Detection, Auto red-eye removal, Film simulation, Auto release, Framing guideline, Power management, Frame No. memory, Adv. mode (Advanced Filter : Toy Camera / Miniature / Pop Color / High-Key / Low-Key / Dynamic Tone / Soft Focus / Partial Color, Motion panorama 360, Pro focus, Pro low light, Multiple exposure), High Speed Movie (80 / 160 / 320 fps), Advanced Anti Blur, Date stamp, Monitor Sunlight mode, Recording movie in the EXR Auto mode : Automatic Scene Selection
Playback functions	Face Detection, Auto red-eye removal, Multi-frame playback (with micro thumbnail), Crop, Resize, Slide show, Image rotate, Exposure warning, Auto rotate playback, Photobook assist, Image search, Favorites, Mark for upload, Panorama, Erase selected frames, Histogram display
Other functions	PictBridge, Exif Print, Print Image Matching II, 35 Languages, Time difference, Silent mode
Terminal	Video output - Digital interface USB 2.0 High-Speed HDMI output HDMI Mini connector
Power supply	NP-50A Li-ion battery (included) / CP-50 with AC power adapter AC-5VX (sold separately)
Dimensions	105.1(W) x 63.3(H) x 36.0(D) mm / 4.1(W) x 2.4(H) x 1.4(D) in. (Minimum depth: 24.9mm / 0.9in.)
Weight	Approx. 230g / 8.1oz. (including battery and memory card) Approx. 210g / 7.4oz. (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. 250 frames (AUTO mode) * Fujifilm research based on CIPA standards
Accessories	Li-ion battery NP-50A

included

Battery charger BC-50B
Plug Adapter
Hand strap
USB cable
CD-ROM³
Owner's manual

**Optional
accessories**

Li-ion battery NP-50
Battery charger BC-45W
DC coupler CP-50
AC power adapter AC-5VX