

Specifications

Model name	FinePix HS50EXR
Number of effective pixels ^{*1}	16.0 million pixels
Image sensor	1/2-inch EXR CMOS II with primary color filter
Storage media	• Internal memory • SD / SDHC / SDXC(UHS-I) memory card^{*2}
File format	still image JPEG (Exif Ver 2.3)^{*3}, RAW (RAF format), RAW+JPEG (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 42x optical zoom lens focal length f=4.4 - 185mm, equivalent to 24 - 1000mm on a 35mm format full-aperture F2.8 (Wide) - F5.6 (Telephoto) constitution 12 groups 17 lenses
Digital zoom	Intelligent digital zoom approx. 2.0x (up to approx. 84x, with 42x optical zoom)

Aperture	F2.8-F11 (Wide) F5.6-F11(Telephoto) 1/3EV step
Focus distance (from lens surface)	Normal • Wide : Approx. 45cm to infinity / 1.4ft. to infinity • Telephoto : Approx. 3.0m to infinity / 9.8ft. to infinity Macro • Wide : Approx. 7cm - 3.0m / 2.7in. - 9.8ft. • Telephoto : Approx. 2.5m - 5.0m / 8.2ft. - 16.4ft. Super Macro • Approx. 1.0cm - 1.0m / 0.4in. - 3.2ft.
Sensitivity	Auto, Equivalent to ISO 100 / 200 / 400 / 800 / 1600 / 3200 / 6400* / 12800* (Standard Output Sensitivity) • * ISO6400 : image size M or lower, ISO12800 : image size S
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, Party, Flower, Text MODE DIAL EXR, AUTO, P, S, A, M, C, PANORAMA, SP1, SP2, Adv.
Image stabilizer	Lens shift type
Exposure compensation	-2.0EV - +2.0EV 1/3EV step
Shutter speed	(Auto mode) 1/4sec. to 1/4000sec., (All other modes) 30sec. to 1/4000sec. (combined mechanical and electronic shutter)
Continuous shooting	TOP H : approx. 11fps (max. 5 frames) M : approx. 6.0fps (max. 5 frames) L : approx. 3.0fps (max. 11 frames) SH : approx. 16fps (max. 13 frames ; Size M,S) LAST -

	Best Frame capture H : approx. 11fps 7 frames (Size L,M,S) M : approx. 6.0fps 7 frames (Size L,M,S) L : approx. 3.0fps 7 frames (Size L,M,S) SH : approx. 16fps 7/14 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 / STD, Velvia / VIVID, ASTIA / SOFT Dynamic Range Bracketing : 100% / 200% / 400%
Focus	mode Single AF / Continuous AF (EXR AUTO, Movie) / Manual AF (One-push AF mode included) type Intelligent Hybrid AF: Phase Detection AF / Contrast AF, AF assist illuminator available AF frame selection Center, 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
Self-timer	Approx. 10sec. / 2sec. delay / Auto release
Flash	Auto flash (super i-flash) Effective range : (ISO AUTO) Normal • Wide : Approx. 30cm - 8.0m / 1ft. - 26.2ft. • Telephoto : Approx. 2.5m - 4.0m / 8.2ft. - 13.1ft.
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
Electronic Viewfinder	0.26-inch., approx. 920K-dot, color LCD viewfinder approx. 100% coverage

LCD monitor	3.0-inch, approx. 920K-dot, TFT color LCD monitor, Vari-Angle, 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 (manual) can be used.
Photography functions	EXR mode, High Speed Movie (120 / 240 / 480 frames/sec.), Face Detection, Auto Red-eye removal, Advanced mode (Pro focus, Pro low light, Multiple exposure), Motion Panorama 360, Film simulation, Electronic level, Histogram display, Focus check, Focus peaking in Manual focus mode, Framing guideline, Frame No. memory, Best frame capture, Advanced Anti Blur, Date stamp, Recording movie in the EXR Auto mode : Automatic Scene Selection, Advanced filter (Toy Camera / Miniature / Pop Color / High-Key / Low-Key / Dynamic Tone / Partial Color / Soft Focus), Microphone-level adjustment
Playback functions	Face Detection, Auto Red-eye removal, Multi-frame playback (with micro thumbnail), Protect, Crop, Resize, Slide show, Image rotate, histogram display, exposure warning, Photobook assist, image search, Favorites, Mark for upload, Panorama, Erase selected frames
Other functions	PictBridge, Exif Print, 35 Languages selection, Time difference, Silent mode
Terminal	Digital interface USB 2.0 High-Speed HDMI output HDMI Mini connector Audio input Ø2.5mm external microphone
Power supply	Li-ion battery NP-W126 (included)
Dimensions	134.9(W) x 101.3(H) x 145.9(D) mm / 5.3(W) x 4.0(H) x 5.7(D) in.
Weight	Approx. 808g / 28.5oz. (including battery and memory card) Approx. 758g / 26.7oz. (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. 500 frames (AUTO mode) * Fujifilm research based on CIPA standards

Accessories included

Li-ion battery NP-W126
Battery charger BC-W126
Shoulder strap
USB cable
Lens hood
Lens cap and Lens cap cord
CD-ROM
Owner's manual

Optional accessories

Li-ion battery NP-W126
Battery charger BC-W126
Remote Release RR-80A
Shoe Mount Flash EF-42 / EF-20 / EF-X20
Protector Filter PRF-58
Stereo microphone MIC-ST1

- *1 Number of effective pixels: The number of pixels on the image sensor which receive input light through the optical lens, and which are effectively reflected in the final output data of the still image.
- *2 Please see the Fujifilm website to check memory card compatibility.
- *3 Exif 2.3 is a digital camera file format that contains a variety of shooting information for optimal printing.

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	Quality	4608 x 3456 (4 : 3)		4608 x 3072 (3 : 2)		4608 x 2592 (16 : 9)		3456×3456 (1 : 1)	
		JPEG FINE	JPEG NORMAL	JPEG FINE	JPEG NORMAL	JPEG FINE	JPEG NORMAL	JPEG FINE	JPEG NORMAL
Standard memory capacity	4 GB	600	960	680	1080	800	1280	800	1280
	8 GB	1210	1910	1360	2150	1600	2540	1600	2540

Number of recorded pixels		2304×1728 (4 : 3)		2304×1536 (3 : 2)		1920×1080 (16 : 9)		1728×1728 (1 : 1)	
Quality		JPE G FIN E	JPEG NOR MAL	JPEG FINE	JPEG NORMA L	JPEG FINE	JPEG NORMA L	JPE G FIN E	JPEG NOR MAL
SDHC C mem ory card	4 G B	188 0	3540	2110	4020	3440	6340	246 0	4630
	8 G B	374 0	7050	4200	7990	6840	12610	489 0	9220
Number of images									
Modes									RAW
SDHC memory card									
									4 GB
									150
									8 GB
									300
Recording time									
Modes					Movie ^{*4}				
Number of recorded pixels					Movie recording time				
Quality			FULL HD (1920 x 1080) ^{*5}		HD (1280 x 720) ^{*6}		VGA (640 x 480) ^{*7}		
			4 GB		13min.		25min.		112min.
SDHC memory card			8 GB		26min.		51min.		223min.

- ^{*4} Use a  card or better when shooting HD movie and High speed movie.
- ^{*5} Individual movie files cannot exceed approx. maximum 14 minutes.
- ^{*6} Individual movie files cannot exceed approx. maximum 27 minutes.
- ^{*7} Individual movie files cannot exceed approx. maximum 115 minutes.