

Specifications for Fujifilm FinePix S8200 16.2MP Digital Camera

Model name	FinePix S8200, S8300
Number of effective pixels¹	16.2 million pixels
Image sensor	1/2.3-inch CMOS with primary color filter
Storage media	<ul style="list-style-type: none">• Internal memory (none)• SD / SDHC / SDXC (UHS-I) memory card²
File format	<p>still image</p> <p>JPEG (Exif Ver 2.3) / (Design rule for Camera File system compliant / DPOF-compatible)</p> <p>3D still image</p> <p>MPO compliant</p> <p>movie</p> <p>H.264 (MOV) Linear PCM / stereo sound</p>
Number of recorded pixels	<p>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 / (16:9) 3264 x 1840 S : (4:3) 2304 x 1728 / (16:9) 1920 x 1080</p> <p><Motion Panorama> 360° Vertical : 1632 x 11520 Horizontal : 11520 x 1088 240° Vertical : 1632 x 5760 Horizontal : 5760 x 1088 120° Vertical : 1632 x 3840 Horizontal : 3840 x 1088</p>
Lens	<p>name</p> <p>S8200 : Fujinon 40x optical zoom lens S8300 : Fujinon 42x optical zoom lens</p> <p>focal length</p> <p>S8200 : f=4.3mm - 172.2mm, equivalent to 24 - 960mm on a35mm format S8300 : f=4.3mm - 180.8mm, equivalent to 24 - 1008mm on a 35mm format</p> <p>full-aperture</p> <p>F2.9 (Wide) - F6.5 (Telephoto)</p> <p>constitution</p> <p>12 groups 17 lenses</p>
Digital zoom	<p>S8200 : approx. 2.0x (up to approx. 80x, with 40x optical zoom) S8300 : approx. 2.0x (up to approx. 84x, with 42x optical zoom)</p>

Aperture	F2.9 / F8.4 (Wide) F6.5 / F7.6 / F18.7 (Telephoto) with ND filter
Focus distance (from lens surface)	<p>Normal</p> <ul style="list-style-type: none"> • Wide : Approx. 45cm to infinity / 1.4ft to infinity • Telephoto : Approx. 3.5m to infinity / 11.4ft to infinity <p>Macro</p> <ul style="list-style-type: none"> • Wide : Approx. 7cm - 3.0m / 2.7in. - 9.8ft. • S8200 : Telephoto: Approx. 2.8m to infinity / 9.1ft to infinity • S8300 : Telephoto: Approx. 3.0m to infinity / 9.8ft to infinity <p>Super Macro</p> <ul style="list-style-type: none"> • Wide : Approx. 1cm - 1.0m / 0.3in. - 3.3ft.
Sensitivity	AUTO (400) / AUTO (800) / AUTO (1600), Equivalent to ISO 64/100/200/400/800/1600/3200/6400/12800 (Standard Output Sensitivity)
Exposure control	TTL 256-zone metering, Multi / Spot / Average
Exposure mode	Programmed AE, Shutter priority AE, Aperture priority AE, Manual exposure
Shooting modes	<p>SP</p> <p>Portrait, Baby, Smile, Landscape, Sport, Night, Night (Tripod), Fireworks, Sunset, Snow, Beach, Party, Flower, Text</p> <p>MODE DIAL</p> <p>SR AUTO, AUTO, Adv., P, S, A, M, Custom, Panorama, SP</p>
Image Stabilizer	Lens 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. with mechanical shutter
Continuous shooting	<p>TOP</p> <p>H : approx. 10 fps (max. 10 frames) M : approx. 5.0 fps (max. 10 frames) L : approx. 3.0 fps (max. 10 frames) HS1 : approx. 60 fps (max. 60 frames; image size 1280 x 960) HS2 : approx. 120 fps (max. 60 frames; image size 640 x 480)</p> <p>LAST</p>

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Best Frame capture

H : approx. 10 fps max. 10 frames (Size L,M,S)/max. 20 frames (Size S)
M : approx. 5.0 fps max. 10 frames (Size L,M,S)/max. 20 frames (Size S)
L : approx. 3.0 fps max. 10 frames (Size L,M,S)/max. 20 frames (Size S)

Auto bracketing AE Bracketing ($\pm 1/3$ EV, $\pm 2/3$ EV, ± 1 EV)

Focus

mode

Single AF / Continuous AF (SR AUTO, Movie)

type

TTL 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. 10 sec. / 2 sec. Delay

Flash

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

Normal

- Wide : approx. 40cm - 7.0m / 1.3ft. - 22.9ft.
- Telephoto : approx. 2.5m - 3.6m / 8.2ft. - 11.8ft.

Macro

- Wide : approx. 30cm - 3.0m / 0.9ft. - 9.8ft.
- Telephoto : approx. 2.0m - 3.0m / 6.5ft. - 9.8ft.

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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Electronic Viewfinder	0.2-inch, approx. 201K-dot, color LCD viewfinder approx. 97% coverage
LCD monitor	3.0-inch, approx. 460K-dot, TFT color LCD monitor, approx. 97% coverage
Movie recording	1920 x 1080 pixels (60fps) / 1280 x 720 pixels (30fps) / 640 x 480 pixels (30fps) with stereo sound*. HS 640 x 480 pixels (120fps) / HS 320 x 240 pixels (240fps) / HS 320 x 120 pixels (480fps) <ul style="list-style-type: none"> • * Optical zoom function can be used.
Photography functions	SR AUTO, Adv. mode (Pro Low-Light, Advanced Filter, Natural Light & with Flash, Natural Light, HDR, Zoom Bracketing, Individual shutter 3D) Instant zoom, Face Detection, Auto red-eye removal, Framing guideline, blink detection, Frame No. memory, Histogram display, Motion Panorama, Date stamp
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, Favorites, Mark for upload, Panorama, Erase selected frames
Other functions	PictBridge, Exif Print, 35 Languages, Time difference, Silent mode
Terminal	<p>Video output</p> <p>-</p> <p>Digital interface</p> <p>USB 2.0 High-Speed</p> <p>HDMI output</p> <p>HDMI mini connector</p>
Power supply	4xAA type alkaline batteries (included) / 4xAA type Ni-MH rechargeable batteries (sold separately) / 4xAA type lithium batteries (sold separately)
Dimensions	122.6 (W) x 86.9 (H) x 116.2(D) mm / 4.8 (W) x 3.4(H) x 4.5 (D) in.
Weight	Approx. 670 g / 23.6 oz. (including batteries and memory card) Approx. 577 g / 20.3 oz. (excluding batteries and memory card)
Operating Temperature	0°C - 40°C
Operating Humidity	10% - 80% (no condensation)
Guide to the number of available frames	Alkaline batteries : Approx. 300 frames (AUTO mode) Ni-MH rechargeable batteries : Approx. 500 frames (AUTO mode)

for battery operation

Lithium batteries : Approx. 700 frames (AUTO mode)

- * Fujifilm research based on CIPA standards

Accessories included

4xAA type alkaline batteries
Shoulder strap
USB cable
Lens cap and Lens cap cord
CD-ROM
Owner's manual

Optional accessories

AC Power Adapter AC-5VX
DC coupler CP-04