

	FinePix S9900W	FinePix S9800
Number of effective pixels	16.2 million pixels	16.2 million pixels
Image sensor	1/2.3-inch CMOS with primary color filter Total number of pixels: 16.79 million pixels	1/2.3-inch CMOS with primary color filter Total number of pixels: 16.79 million pixels
Storage media	Internal memory (approx. 38MB) SD/SDHC/SDXC (UHS-I) memory card *1	Internal memory (approx. 38MB) SD/SDHC/SDXC (UHS-I) memory card
File format (still image)	JPEG (Exif Ver 2.3 '2') (Design rule for Camera File system compliant / DPOF-compatible)	JPEG (Exif Ver 2.3 '2') / (Design rule for Camera File system compliant / DPOF-compatible)
(movie)	Movie File Format : MOV Movie Video Compression : H.264 Audio : Linear PCM Stereo	Movie File Format : MOV Movie Video Compression : H.264 Audio : Linear PCM Stereo
Number of recorded pixels	L : <4:3>4608 x 3456 <3:2>4608 x 3072 <16:9>4608x2592 <1:1> 3456 x3456 M : <4:3>3264 x 2448 <3:2>3264 x 2176 <16:9>3264x1840 <1:1> 2432 x2432 S : <4:3>2304x 1728 <3:2>2304 x 1536 <16:9>1920x1080 <1:1> 1728 x1728 Motion Panorama 360 Vertical : 11520x1624 Horizontal : 11520x1080 180 Vertical : 5760x1624 Horizontal : 5760 x 1080 120 Vertical : 3840x1624 Horizontal : 3840x1080	L : <4:3>4608 x 3456 <3:2>4608 x 3072 <16:9>4608x2592 <1:1> 3456 x3456 M : <4:3>3264 x 2448 <3:2>3264 x 2176 <16:9>3264x1840 <1:1> 2432 x2432 S : <4:3>2304x 1728 <3:2>2304 x 1536 <16:9>1920x1080 <1:1> 1728 x1728 Motion Panorama 360 Vertical : 11520x1624 Horizontal : 11520x1080 180 Vertical : 5760x1624 Horizontal : 5760 x 1080 120 Vertical : 3840x1624 Horizontal : 3840x1080
Lens	Fujinon 50 x optical zoom lens	Fujinon 50 x optical zoom lens
focal length	f= 4.3mm - 215mm equivalent to 24mm- 1200mm on a 35mm format	f= 4.3mm - 215mm equivalent to 24 - 1200mm on a 35mm format
full-aperture constitution	F2.9(Wide) - F6.5 (Telephoto) 17 elements in 12 groups (includes 3 aspherical and 2 extra low dispersion elements)	F2.9(Wide) - F6.5 (Telephoto) 17 elements in 12 groups (includes 3 aspherical and 2 extra low dispersion elements)
Digital zoom	Intelligent digital zoom approx. 2.0 x (up to approx. 100 x, with 50x optical zoom)	Intelligent digital zoom approx. 2.0 x (up to approx. 100 x, with 50x optical zoom)
Aperture	F 2.9/F 8.4 (Wide) F 6.5/F 7.8/F 19.0(Telephoto) with ND filter	F 2.9/F 8.4 (Wide) F 6.5/F 7.8/F 19.0(Telephoto) with ND filter
Focus distance (from lens surface)	Normal: Wide: Approx. 40 cm to infinity/1.3 ft. to infinity, Telephoto: Approx. 3.5m to infinity/ 11.4 ft. to infinity Macro: Wide: Approx. 7cm - 3.0m /2.7 in.-9.8 ft. Telephoto: Approx. 3.5m - 5.0m /11.4 ft - 16.4 ft Super Macro: Wide: Approx. 1cm - 1.0m /0.3 in.- 3.2 ft.	Normal: Wide: Approx. 40 cm to infinity/1.3 ft. to infinity, Telephoto: Approx. 3.5m to infinity/ 11.4 ft. to infinity Macro: Wide: Approx. 7cm - 3.0m /2.7 in.-9.8 ft. Telephoto: Approx. 3.5m - 5.0m /11.4 ft - 16.4 ft Super Macro: Wide: Approx. 1cm - 1.0m /0.3 in.- 3.2 ft.
Sensitivity	AUTO/AUTO(400)/AUTO(800)/AUTO(1600)/AUTO(3200) Equivalent to ISO-100/200/400/800/1600/3200/6400/12800 (Standard Output Sensitivity)	AUTO/AUTO(400)/AUTO(800)/AUTO(1600)/AUTO(3200) Equivalent to ISO-100/200/400/800/1600/3200/6400/12800 (Standard Output Sensitivity)
Exposure control	TTL 256-zone metering : Spot, Multi, Average	TTL 256-zone metering : Spot, Multi, Average
Exposure mode	Programmed AE, Shutter Priority AE, Aperture Priority AE, Manual exposure	Programmed AE, Shutter Priority AE, Aperture Priority AE, Manual exposure
Shooting modes (Scene Position)	Portrait, Baby, Smile & shoot, Landscape, Sport, Night, Night (Tripod), Fireworks, Sunset, Snow, Beach, Party, Flower, Text	Portrait, Baby, Smile & shoot, Landscape, Sport, Night, Night (Tripod), Fireworks, Sunset, Snow, Beach, Party, Flower, Text
(MODE)	SR AUTO, AUTO, Adv., SP, Panorama, P, S, A, M, Custom	SR AUTO, AUTO, Adv., SP, Panorama, P, S, A, M, Custom
Image Stabilizer	Lens shift type	Lens shift type
Anti Blur mode	—	—
Face detection	Yes	Yes
Exposure compensation	-2.0EV—+2.0EV 1/3EV step	-2.0EV—+2.0EV 1/3EV step
Shutter speed	(Auto mode) 1/4 sec. to 1/1700 sec. (All other modes) 8 sec. to 1/1700 sec. with mechanical shutter	(Auto mode) 1/4 sec. to 1/1700 sec. (All other modes) 8 sec. to 1/1700 sec. with mechanical shutter
Continuous shooting (TOP) *The frame rate and the recorded number of frames varies with shooting conditions .	H: approx. 10 fps max. 10 frames M: approx. 5.0 fps max. 10 frames L: approx. 3.0 fps max. 10 frames SH1: approx.60 fps max.60 frames (Max. number of recorded pixels :1080x960) SH2: approx.120 fps max.60 frames (Max. number of recorded pixels :640x480) * Use a card with SD Speed Class with "Class10" or higher.	H: approx. 10 fps max. 10 frames M: approx. 5.0 fps max. 10 frames L: approx. 3.0 fps max. 10 frames SH1: approx.60 fps max.60 frames (Max. number of recorded pixels :1080x960) SH2: approx.120 fps max.60 frames (Max. number of recorded pixels :640x480) * Use a card with SD Speed Class with "Class10" or higher.
(LAST)		
(others)	Best Frame capture approx. 10 fps 10 frames (Size L,M,S)/20 frames (Size S) * Use a card with SD Speed Class with "Class10" or higher.	Best Frame capture approx. 10 fps 10 frames (Size L,M,S)/20 frames (Size S) * Use a card with SD Speed Class with "Class10" or higher.
Auto bracketing	AE Bracketing ±1/3EV, ±2/3EV, ±1EV	AE Bracketing ±1/3EV, ±2/3EV, ±1EV
Focus (mode) (type)	Single AF/Continuous AF TTL contrast AF, AF assist illuminator available	Single AF/Continuous AF TTL contrast AF, AF assist illuminator available
(AF frame selection)	Center, Multi, Area, Tracking	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	Automatic scene recognition Preset: Fine, Shade, Fluorescent light (Daylight), Fluorescent light (Warm White), Fluorescent light (Cool White), Incandescent light, Custom
Self-timer	10 sec./2 sec. delay	10 sec./2 sec. delay
Interval shooting	Yes	Yes
Flash	Manual pop-up flash (i-Flash)	Manual pop-up flash (i-Flash)
	Effective range: (ISO AUTO) Normal Wide: approx. 40 cm - 7.0 m/ 1.3 ft. - 22.9 ft., Telephoto: approx. 2.5 m - 3.6 m/ 8.2 ft. - 11.8 ft. Macro Wide: approx. 30 cm - 3.0 m/ 0.9 ft. - 9.8 ft., Telephoto: approx. 2.0 m - 3.0 m/ 6.5 ft. - 9.8 ft.	Effective range: (ISO AUTO) Normal Wide: approx. 40 cm - 7.0 m/ 1.3 ft. - 22.9 ft., Telephoto: approx. 2.5 m - 3.6 m/ 8.2 ft. - 11.8 ft. Macro Wide: approx. 30 cm - 3.0 m/ 0.9 ft. - 9.8 ft., Telephoto: approx. 2.0 m - 3.0 m/ 6.5 ft. - 9.8 ft.
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.	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	-	-

Electronic Viewfinder	0.2-inch., approx. 920K-dot, color LCD viewfinder approx. 97% coverage for shooting, 100% for playing back	0.2-inch., approx. 920K-dot, color LCD viewfinder approx. 97% coverage for shooting, 100% for playing back
LCD monitor	3.0-inch, approx. 460K-dot, TFT color LCD monitor, approx. 97% coverage for shooting, 100% for playing back	3.0-inch, approx. 460K-dot, TFT color LCD monitor, approx. 97% coverage for shooting, 100% for playing back
Movie recording	Full HD 1920x1080 60i (max 29 min) HD 1280x 720 60p 640x480 30p with stereo sound. Wind filter Optical or digital zoom function can be used. * Use a card with SD Speed Class with "Class10" or higher.	Full HD 1920x1080 60i (max 29 min) HD 1280x 720 60p 640x480 30p with stereo sound. Wind filter Optical or digital zoom function can be used. * Use a card with SD Speed Class with "Class10" or higher.
Photography functions	SR AUTO, High Speed Movie (120/240/480 frames/sec), Adv. mode (Advanced Filter for still image : Toy camera / Miniature/ Pop color / High-key / Low-key / Dynamic tone / Soft Focus/ Cross Screen/ Fish-eye / Partial color / Sketch, Advanced filter for movie : Toy camera / Pop color / High-key / Low-key / Fish-eye / Partial color, Pro Low-Light, HDR, Natural Light & with Flash, Zoom Bracketing, Instant zoom, Framing guideline, Frame No. memory, Histogram display, Date stamp	SR AUTO, High Speed Movie (120/240/480 frames/sec), Adv. mode (Advanced Filter for still image : Toy camera / Miniature/ Pop color / High-key / Low-key / Dynamic tone / Soft Focus/ Cross Screen/ Fish-eye / Partial color / Sketch, Advanced filter for movie : Toy camera / Pop color / High-key / Low-key / Fish-eye / Partial color, Pro Low-Light, HDR, Natural Light & with Flash, Zoom Bracketing, Instant zoom, Framing guideline, Frame No. memory, Histogram display, Date stamp
Playback functions	Multi-frame playback (with micro thumbnail), Protect, Crop, Resize, Slide show, Image rotate, Histogram display, exposure warning, Photobook assist, Image search, Red eye removal, Copy, Print order(DPOF), Wireless communication, PC auto save, Favorites, Mark for upload, Panorama, Erase selected frames, Movie edit	Multi-frame playback (with micro thumbnail), Protect, Crop, Resize, Slide show, Image rotate, Histogram display, exposure warning, Photobook assist, Image search, Red eye removal, Copy, Print order(DPOF), Favorites, Mark for upload, Panorama, Erase selected frames, Movie edit
Other functions	PictBridge, Exif Print, 35 Languages, Time difference, Silent mode, Discharge function	PictBridge, Exif Print, 35 Languages, Time difference, Silent mode, , Discharge function
Wireless transmitter (access mode)	IEEE 802.11b/g/n (standard wireless protocol)	—
Wireless function	Geotagging / Wireless communication (Image transfer) / View & Obtain Images / Remote camera shooting / PC Autosave	—
Terminal (Video output)	—	—
(Digital interface)	USB2.0(High-Speed) Multi USB terminal	USB2.0(High-Speed) Multi USB terminal
(HDMI output)	HDMI Mini connector (Type C)	HDMI Mini connector (Type C)
(Audio input)	—	—
Power supply	4xAA type alkaline batteries (included) 4xAA type Ni-MH rechargeable batteries (sold separately), 4xAA type lithium batteries (sold separately)	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)x3.4(H)x4.6(D)in.	122.6 (W) x 86.9 (H) x 116.2(D) mm / 4.8(W)x3.4(H)x4.6(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)	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 (+32°F — +104°F)	0°C—40°C (+32°F — +104°F)
Operating Humidity	10%—80% (no condensation)	10%—80% (no condensation)
Battery life for still images*3	Alkaline batteries: Approx. 300frames (AUTO mode) Ni-MH rechargeable batteries : Approx 500 frames (AUTO mode) Lithium batteries : Approx. 700 frames (AUTO mode)	Alkaline batteries: Approx. 300frames (AUTO mode) Ni-MH rechargeable batteries : Approx 500 frames (AUTO mode) Lithium batteries : Approx. 700 frames (AUTO mode)
Accessories included	4xAA type alkaline batteries Shoulder strap USB cable Lens cap and Lens cap cord CD-ROM*4 Owner's manual	4xAA type alkaline batteries Shoulder strap USB cable Lens cap and Lens cap cord CD-ROM*4 Owner's manual
Optional accessories	AC Power Adapter AC-5VX DC coupler CP-04	AC Power Adapter AC-5VX DC coupler CP-04

*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 Approximate number of frames / period that can be taken with a fully-charged battery based on CIPA standard.

*4 OS compatibility

Viewer software: Windows 8.1/8/7/Vista