

Specifications

Model Name	FUJIFILM X20
Number of effective pixels	12.0 million pixels
Image sensor	2/3-inch X-Trans CMOS II with primary color filter
Storage media	<ul style="list-style-type: none">• Internal memory• SD/ SDHC/ SDXC(UHS-I) memory card^{*1}
File format	<p>still image JPEG (Exif Ver 2.3)², RAW (RAF format), RAW+JPEG (Design rule for Camera File system compliant / DPOF-compatible)</p> <p>movie MOV (H.264, Audio : Linear PCM / stereo sound)</p>
Number of recorded pixels	<p>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</p> <p>< 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</p>
Lens	<p>name Fujinon 4x optical zoom lens</p> <p>focal length f=7.1 - 28.4mm, equivalent to 28-112mm on a 35mm format</p> <p>full-aperture F2.0 (Wide) - F2.8 (Telephoto)</p> <p>constitution 9 groups 11 lenses (3 aspherical glass molded lenses included)</p>
Digital zoom	Intelligent digital zoom approx. 2x (up to 8 x when combined with optical zoom)
Aperture	F2.0 - F11 (Wide) F2.8 - F11 (Telephoto) 1/3EV step (controlled 7 - blade aperture diaphragm)

Focus distance (from lens surface)	<p>Normal</p> <ul style="list-style-type: none"> • Wide : Approx. 50cm / 1.6ft. to infinity • Telephoto : Approx. 80cm / 2.6ft. to infinity <p>Macro</p> <ul style="list-style-type: none"> • Wide : Approx. 10cm - 3.0m / 3.9in. - 9.8ft. • Telephoto : Approx. 50cm - 3.0m / 1.6ft. - 9.8ft. <p>Super Macro</p> <ul style="list-style-type: none"> • Approx. 1.0cm -1.0m / 0.4in. - 3.3ft.
Sensitivity	AUTO (Control available up to ISO3200), Equivalent to ISO 100/200/250/320/400/500/640/800/1000/1250/1600/2000/2500/3200/4000/5000/6400/12800 (Standard Output Sensitivity)
Exposure control	TTL 256-zone metering, Multi / Spot / Average
Exposure mode	Programmed AE, Aperture Priority AE, Shutter Priority AE, Manual
Shooting modes	<p>SP</p> <p>Portrait, Portrait Enhancer, Landscape, Sport, Night, Night (Tripod), Fireworks, Sunset, Snow, Beach, Party, Flower, Text, Underwater</p> <p>MODE DIAL</p> <p>AUTO, ADVANCED SR AUTO, P, S, A, M, C1, C2, Movie, SP, Adv.</p>
Image Stabilizer	Lens shift type
Face detection	YES
Exposure compensation	-2.0EV - +2.0EV 1/3EV step
Shutter speed	<p>(Auto mode) 1/4 sec. to 1/4000* sec. , (All other modes) 30 sec. to 1/4000* sec.</p> <ul style="list-style-type: none"> • * 1/4000sec. at small aperture, 1/1000sec. at full aperture
Continuous shooting	<p>TOP</p> <p>Super High : approx. 12 fps (max. 11 frames*) High : approx. 9.0 fps (max. 13 frames*) Middle : approx. 6.0 fps (max. 20 frames*) Low : approx. 3.0 fps (max. 39 frames*)</p>

- * Max. number of frames can be shot in JPEG setting

LAST

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Best Frame capture

Super High : approx. 12 fps (max. 8 frames*)
 High : approx. 9.0 fps (max. 8 frames*)
 Middle : approx. 6.0 fps (max. 8 frames*)
 Low : approx. 3.0 fps (max. 8 frames*)

- * Max. number of frames can be shot in JPEG setting

Auto bracketing

AE Bracketing : $\pm 1/3EV$, $\pm 2/3EV$, $\pm 1EV$
 Film Simulation Bracketing : Any 3 type of Film Simulation selectable
 Dynamic Range Bracketing : 100% / 200% / 400%
 ISO sensitivity Bracketing : $\pm 1/3EV$, $\pm 2/3EV$, $\pm 1EV$

Focus

mode

Single AF / Continuous AF / MF

type

Intelligent Hybrid AF (TTL contrast AF / TTL phase detection 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, Underwater, Custom, Color temperature selection

Self-timer

Approx. 10 sec. / 2 sec. delay

Flash

Auto flash (Super intelligent Flash)
 Effective range (ISO AUTO):

Normal

- Wide : Approx. 30cm - 7.0m / 11.7in. - 22.9ft.
- Telephoto : Approx. 50cm - 5.0m / 1.6ft. - 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	Advanced Optical Viewfinder (equipped with Digital Trans Panel) Approx. 85% coverage Built-in eye sensor
LCD monitor	2.8-inch, approx. 460K-dot, TFT color LCD monitor, approx. 100% coverage
Movie recording	1920 x 1080 pixels (60fps) / 1280 x 720 pixels (60fps) / 640 x 480 pixels (30fps) with stereo sound Optical zoom (manual) can be used. <ul style="list-style-type: none">* SD memory card with a class 10 write speed (10 MB/sec.) or better is recommended.
Photography functions	ADVANCED SR AUTO, Face Detection, Auto Red-eye Removal, Film Simulation, Framing guideline, Frame No. memory, Histogram display, Best frame capture, Adv. mode (Motion panorama360, Pro focus, Pro low light, Multiple Exposure), High Speed Movie (80/150/250 fps) , Electronic level, Advanced Anti Blur, Focus Peak Highlight
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, RAW Conversion.
Other functions	PictBridge, Exif Print, 35 Languages, Time difference, Silent mode
Terminal	Video output - Digital interface USB 2.0 High-Speed/ Microphone input (only with MIC-ST1 w/adapter sold separately) HDMI output HDMI mini connector
Power supply	NP-50 Li-ion battery (included) CP-50 with AC power adapter AC-5VX (sold separately)
Dimensions	117.0 (W) x 69.6 (H) x 56.8 (D) mm / 4.6 (W) x 2.7 (H) x 2.2 (D) in.
Weight	Approx. 353 g / 12.4 oz. (including battery and memory card)

Approx. 333 g / 11.7 oz. (excluding battery and memory card)

Operating Temperature

0 - 40°C

Operating Humidity

10 - 80% (no condensation)

Guide to the number of available frames for battery operation

Approx. 270 frames (LCD : ON, AUTO mode)^{*3}

Accessories included

Li-ion battery NP-50
Battery charger BC-50B
Shoulder strap
Lens cap
USB cable
CD-ROM (Viewer software, RAW File Converter etc.^{*4})
Owner's manual

Optional accessories

Li-ion battery NP-50
Battery charger BC-45W
Lens hood LH-X10
Protector Filter PRF-52^{*5}
Lens Hood and Protector Filter LHF-X20
Leather case LC-X20
Shoe Mount Flash EF-42/EF-20/EF-X20
DC coupler CP-50
AC power adapter AC-5VX
Stereo microphone MIC-ST1

- *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 Fujifilm research based on CIPA standards
- *4 OS compatibility.
Viewer software : Windows 8 / 7 / Vista / XP
Raw File Converter : Windows 8 / 7 / Vista / XP, Mac OS X 10.6 - OS X 10.8
- *5 Lens hood LH-X10 required.