

FUJIFILM GFX 50S Spec Sheet

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|----------------------------|---|---|
| Model name | FUJIFILM GFX 50S | |
| Number of effective pixels | 51.4 million pixels | |
| Image sensor | 43.8mm x 32.9mm Bayer array with primary color filter | |
| Sensor Cleaning System | Ultra Sonic Vibration | |
| Storage media | SD Card (-2G) / SDHC Card (-32G) / SDXC Card (-256G) UHS-I / UHS-II ¹ | |
| File format | Still Image | JPEG (Exif Ver.2.3)*2, RAW : 14bit RAW(RAF original format), RAW+JPEG, 8-bit TIFF(In-camera Raw Conversion Only) |
| | Movie | MOV (MPEG-4 AVC / H.264, Audio : Linear PCM / Stereo sound 48KHz sampling) |
| Number of recorded pixels | L : <4: 3>8256x6192 / <3: 2>8256x5504 / <16: 9>8256x4640 / <1: 1>6192x6192 <65: 24>8256x3048 / <5: 4>7744x6192 / <7: 6>7232x6192 S : <4: 3>4000x3000 / <3: 2>4000x2664 / <16: 9>4000x2248 / <1: 1>2992x2992 <65: 24>4000x1480 / <5: 4>3744x3000 / <7: 6>3504x3000 | |
| Lens Mount | FUJIFILM G mount | |
| Sensitivity | Standard Output | AUTO1/AUTO2/AUTO3 (up to ISO12800) / ISO100 - 12800 (1/3 step) |
| | Extended Output | ISO50 / 25600 / 51200 / 102400 |
| Exposure control | TTL 256-zone metering, Multi / Spot / Average / Center Weighted | |
| Exposure mode | P(Program AE) / A(Aperture Priority AE) / S(Shutter Speed Priority AE) / M(Manual Exposure) | |
| Exposure compensation | -5.0EV - +5.0EV 1/3EV step (Movie: -2.0EV - +2.0EV) | |
| Image Stabilizer | Supported with OIS type lenses | |
| Shutter type | Focal Plane Shutter | |
| Shutter speed | Mechanical Shutter | 4sec. - 1/4000sec (P mode), 60 min. - 1/4000 sec. (All modes) Bulb mode (up to 60min), TIME: 60min. - 1/4000sec. |
| | Electronic Shutter ³ | 4sec - 1/16000sec (P mode), 60min - 1/16000sec (All modes) Bulb mode (up to 60 min), TIME: 60min. - 1/16000sec. |
| | Electronic Front Curtain Shutter ⁴ | 4sec. - 1/4000sec (P mode), 60 min. - 1/4000 sec. (All modes) Bulb mode (up to 60min), TIME: 60min. - 1/4000sec. |
| | Mechanical + Electronic Shutter | 4sec - 1/16000sec (P mode), 60min - 1/16000sec (All modes) Bulb mode (up to 60 min), TIME: 60min. - 1/16000sec. |
| | Electronic Front Curtain Shutter ⁴ + Electronic Shutter | 4sec - 1/16000sec (P mode), 60min - 1/16000sec (All modes) Bulb mode (up to 60 min), TIME: 60min. - 1/16000sec. |
| | Synchronized shutter speed for flash | 1/125sec. or slower |
| Continuous shooting | Approx. 3.0 fps (JPEG : Endless Lossless compression RAW : 13 Frames Uncompressed RAW : 8 Frames) When Using the Electronic Front Curtain Shutter Approx. 1.8 fps (JPEG : Endless Lossless Compression RAW : Endless Uncompressed RAW : 8 Frames) * Recordable frame depends on recording media. | |
| Auto bracketing | AE Bracketing (2/3/5/7/9 frames) ±1/3EV - ±3EV, 1/3EV step Film Simulation Bracketing (Any 3 types of film simulation selectable) Dynamic Range Bracketing (100%, 200%, 400%) ISO sensitivity Bracketing (±1/3EV, ±2/3EV, ±1EV) White Balance Bracketing (±1, ±2, ±3) | |
| Focus | Mode | Single AF / Continuous AF / MF |
| | Type | TTL Contrast AF |
| | AF frame selection | Single Point AF: EVF / LCD: 13x9 / 25x17 (Changeable Size of AF Frame Among 6 Types) Zone AF: 3x3 / 5x5 / 7x7 from 117 Areas on 13x9 Grid Wide/Tracking AF: (Up to 9 Area) *AF-S: Wide *AF-C: Tracking |
| White balance | Automatic scene recognition / Custom / Color temperature selection (K) / Preset : Daylight, Shade, Fluorescent light (Daylight), Fluorescent light (Warm White), Fluorescent light (Cool White), Incandescent light, Underwater | |
| Self-timer | 10sec. / 2sec. | |
| Interval timer Shooting | YES Setting : Interval, Number of shots, Starting time | |
| Flash modes | SYNC. MODE | 1ST CURTAIN / 2ND CURTAIN / AUTO FP(HSS) |
| *When EF-X500 is set | FLASH MODE | TTL (FLASH AUTO / STANDARD / SLOW SYNC.) / MANUAL / OFF |
| Hot shoe | Yes (Dedicated TTL Flash compatible) | |
| Viewfinder | 0.5 inch Approx. 3.69 millions dots OLED Color Viewfinder Coverage of Viewing Area vs. Capturing Area : Approx. 100% Eyepoint : Approx. 23mm (from the Rear End of the Camera's Eyepiece) , Diopter Adjustment: -4 - +2m-1 Magnification: 0.85x with 50mm Lens (35mm Equivalent) at infinity and Diopter set to -1.0m-1 Diagonal Angle of View: Approx. 40° (Horizontal Angle of View: Approx. 33°) Built-In Eye Sensor | |
| LCD monitor | 3.2 inch, Aspect Ratio 4:3, Approx. 2,360K-dot Tilt-Type, Touch Screen Color LCD Monitor (Approx. 100% Coverage) | |
| Sub LCD monitor | 1.28 inch, Aspect Ratio 1:1, 128x128-dot Monochrome LCD Monitor | |
| Movie recording | [Full HD (1920x1080)] 29.97p / 25p / 24p / 23.98p 36Mbps up to Approx. 30 min. [HD (1280x720)] 29.97p / 25p / 24p / 23.98p 18Mbps up to Approx. 30min. | |
| Photography functions | Color, Sharpness, Highlight tone, Shadow tone, Noise reduction, Long exposure NR, Lens Modulation Optimizer, Color space, Pixel mapping, Select custom setting, Edit/Save custom setting, Store AF mode by orientation, Rapid AF, AF point display, Pre-AF, Face/Eye detection AF, AF+MF, Focus peak highlight, Focus check, Interlock spot AE & focus area, Instant AF setting (AF-S/AF-C), Depth-of-field scale, Release/Focus priority, Touch screen mode, Mount adapter setting, Red eye removal, Movie AF mode, RGB Histogram, Highlight alert, Electronic level, Preview depth of field, AE lock, AF lock, AF-ON, Multiple exposure | |
| Touch Screen Mode | Shooting Mode | Touch AF, Focus Area, OFF |
| | Playback Mode | Swipe, Zoom, Pinch-in / Pinch-out, Double-tap, Drag |
| Film Simulation mode | 15 modes (PROVIA / Standard, Velvia / Vivid, ASTIA / Soft, Classic Chrome, PRO Neg.Hi, PRO Neg.Std, Black&White, Black&White+Ye Filter, Black&White+R Filter, Black&White+G Filter, Sepia, ACROS, ACROS+Ye Filter, ACROS + R Filter, ACROS + G Filter) | |
| Grain Effect | STRONG, WEAK, OFF | |
| Color Chrome Effect | STRONG, WEAK, OFF | |
| Dynamic range setting | AUTO, 100%, 200%, 400% | |
| Playback functions | Switch slot, RAW conversion, Erase, Erase selected frames, Crop, Resize, Protect, Image rotate, Red eye removal, Voice memo setting, Copy, Photobook assist, Multi-frame playback (with micro thumbnail), Favorites, RGB histogram, Highlight alert | |
| Wireless transmitter | Standard | IEEE 802.11b / g / n (standard wireless protocol) |
| | Access mode | Infrastructure |
| | Encryption | WEP / WPA / WPA2 mixed mode |
| Wireless function | Geotagging, Wireless communication (Image transfer), View & Obtain Images, Remote camera shooting, instax printer print | |
| Other functions | Exif Print, Date/Time, Time difference, 35 Languages, My menu setting, Sensor cleaning, Battery age, Sound set-up, EVF brightness, EVF color, LCD brightness, LCD color, Image disp, Auto rotate displays, Preview exp./WB in manual mode, Preview pic. effect, Framing guideline, Autorotate PB, Focus scale units, Disp. custom setting, Sub monitor setting, Focus lever setting, Edit/Save Quick menu, Function(Fn) setting, Selector button setting, Command dial setting, Shutter AF, Shutter AE, Shoot without lens, Focus ring, AE/AF-Lock mode, Expo. Comp. button setting, Touch screen setting, Lock, Auto power off, Shooting stand by mode, Auto power save, Frame No., Save org image, Edit file name, Card slot setting, Switch slot, Movie file destination, Copyright info | |
| Terminal | Digital interface | USB3.0 (High-Speed) / micro USB terminal |
| | HDMI output | *connectable with Remote Release RR-90 (sold separately) |
| | Others | HDMI Micro connector (Type D) ø3.5mm, stereo mini connector (Microphone) / ø3.5mm, stereo mini connector (Headphone) / ø2.5mm, Remote Release Connector DC IN 15V Connector *Compatible with AC-15V (Optional) Only / Hot shoe / Synchronized terminal |
| Power supply | NP-T125 Li-ion battery (included) | |
| | Battery life for still images ⁵ | Approx. 400frames When GF63mmF2.8 R WR is set. (Auto power save ON) |
| | Continuance battery life of movie capture ⁵ | Full HD : approx. 145 min. *Face detection is set to OFF |
| | Actual battery life of movie capture ⁵ | Full HD : approx. 70 min. *Face detection is set to OFF |
| Dimensions | 147.5mm (W) x 94.2mm (H) x 91.4mm (D) / 5.81in. (W) x 3.71in. (H) x 3.60in. (D) (Minimum Depth : 41.6mm / 1.64in.) | |
| Weight | Approx. 825g / 29.1 oz. (including battery and memory card), Approx 920g / 32.5 oz. (including EVF) Approx. 740g / 26.1 oz. (excluding accessories, battery and memory card) | |
| Operating Temperature | -10°C - 40°C (+14°F - +104°F) | |
| Operating Humidity | 10% - 80% (no condensation) | |
| Starting up period | Approx. 0.4 sec. * Fujifilm research | |
| Accessories included | Li-ion battery NP-T125, Battery charger BC-T125, Plug adapter, Body cap, Shoulder strap, Metal strap clip, Metal strap clip lock, Cable protector, Interchangeable electronic view finder EVF-GFX1, Hot shoe cover(Body/EVF), Connector cover(EVF), Vertical Battery Grip connector cover, Sync terminal cover, Owner's manual | |

*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 The Electronic Shutter may not be suitable for fast-moving objects. Flash can not be used.

*4 When using the electronic front curtain shutter, the continuous shooting speed drops and using high speed shutter, the shutter switches to mechanical shutter. (1/640 sec. to 1/4000 sec.)

*5 Approximate number of frames or movie recording time that can be taken with a fully-charged based on CIPA Standard.

Memory Card Capacity and Image Quality / Size

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|-------------|------|------------------|--|
| Still Image | 8GB | Number of images | RAW 66 / RAW (Lossless compressed) 127 / L:(4:3/SUPER FINE) 254 / L:(4:3/FINE) 381 / L:(4:3/NORMAL) 607 |
| | 16GB | | RAW137 / RAW (Lossless compressed) 265 / L:(4:3/SUPER FINE) 524 / L:(4:3/FINE) 785 / L:(4:3/NORMAL) 1253 |
| Movie | 8GB | Recording time | Full HD(1920x1080) 26min. / HD(1280x720) 51min. |
| | 16GB | | Full HD(1920x1080) 54min. / HD(1280x720) 105min. |

* For recording movies, use a card with UHS Speed Class 1 or higher.

* Although movie recording will continue without interruption when the file size reaches 4 GB, subsequent footage will be recorded to a separate file which must be viewed separately.