



LEICA S3

Technical data.



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| Product | Leica S3 |
| Order no. | 10 827 10 832 (US-Version) |
| Camera type | Medium Format DSLR |
| Sensor | |
| Type | Leica CMOS-Sensor with microlenses |
| Size | 30 x 45 mm (Leica ProFormat) |
| Aspect Ratio | 3:2 |
| Resolution | 64 Mio pixel |
| Pixel Pitch | 4.6 µm |
| Dynamic Range | Up to 15 f-stops |
| Color Resolution | 14 Bit per pixel |
| JPEG Color Space | sRGB/Adobe® RGB/ECI RGB 2.0 |
| White Balance | Presets: daylight, clouds, shade, tungsten, HMI, neon warm, neon cool, flash, grey card, LiveView grey card, autoWB, color temperature (Kelvin) |
| Lowpass Filter | No (for maximal detail transfer) |
| IR Filter | On sensor |
| Moirée Reduction | Workflow software |
| ISO | ISO 100, ISO 200, ISO 400, ISO 800, ISO 1600, ISO 3200, ISO 6400, ISO 12500, ISO 25000, ISO 50000, autoISO |
| Meta Data | Meta-Data Copyright Information |
| Lens | |
| Lens Mount | Leica S mount designed for Leica S lenses |
| Crop Factor | 0.8 equivalent to 35 mm format |
| Focussing | |
| Type | Predictive TTL autofocus with central cross sensor and phase detection |
| AF Modes | AFs(single) = single focus, AFc(continuous) = predictive focus tracking, manual override |
| AF Look | Shutter release button, joystick |
| MF | Via lens with electronic focusing aid |
| Exposure Mode | |
| Exposure Metering | TTL (through the lens) |
| Exposure Metering Modes | Multifield (5 field), center weighted, spot (3.5 %) |
| Exposure Lock | Shutter release button, joystick |
| Metering Range | (2.5 and ISO 100) Spot: EV 2.7–20, multifield and center weighted: EV 1.2–20 |

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| Exposure Modes | P: full automatic (with manual exposure shift), T: exposure time priority, A: aperture priority, M: manual exposure control |
| Exposure Compensation | ± 3 f-stops (half steps) |
| Bracketing | 3 or 5 exposures. ½, 1, 2, 3 f-stops |
| Shutter | |
| Shutter | Focal plane shutter, central shutter with Leica CS lenses |
| Type | Microprocessor controlled metal blades |
| Drive Modes | Single, Continuous, Interval, Selftimer 2 s/ 12 s (with mirror-up) |
| Shutter Speed | 8 min (depending on ISO) up to 1/4000 in half steps |
| Frame Rate | Up to 3 fps |
| Shutter Release Button | Two-step |
| Self Timer | 2 s or 12 s with mirror up |
| Mirror Up | Provided |
| Motion | |
| Motion | Cine 4K and Full HD with full sensor width (large-format video) |
| Resolution | Full HD: 1920 x 1080 p, Cine 4K: 4096 x 2160 p |
| Frame Rate | Full HD: 24, 25, 30 fps, Cine 4K: 24 fps |
| File Format | MOV (Motion JPEG) |
| Color Sampling | 4:2:2, 8 Bit |
| Exposure Control | Manual/auto |
| Audio Control | Manual/auto |
| Audio Internal | Stereo microphone in camera, 48 kHz, 16 bit |
| Audio External | Audio-In (3.5 mm phone jack), Audio-Out (3.5 mm phone jack) via Leica Audio-Adapter S |
| Time Code | Internal |
| Others | Focus peaking, clean uncompressed Full-HD (1080 p) 8 bit 4:2:2 HDMI video stream dedicated for external HDMI recorders |
| Live View | |
| Frame Rate | Up to 60 fps |
| Focus Control | Manual, AF-field can be positioned variable |
| Exposure Metering Modes | Multifield, center weighted, spot (linked with the AF field) |
| Exposure Simulation | Provided |
| Others | Histogram with clipping, focus peaking, horizon, setting information |
| Viewfinder | |
| Type | Pentaprism Viewfinder with high eyepoint-eyepiece, illuminated LCD-information |
| Magnification | 0,87 (at 70 mm, infinity, 0 dpt.) |
| Coverage | Approx. 98 % |
| Diopter Correction | -3 to +1 diopter |
| Focussing Screens | Changeable, standard with AF cross and spot marking (scope of delivery), grid screen, micro prism screen |
| Viewfinder Information | Horizon, exposure time, exposure metering mode, aperture, flash status, exposure balance, flash synchronization indicator, focus indicator, exposure metering method, exposure compensation, remaining shots (on storage medium), buffer, warnings, ISO |
| Displays | |
| Back Panel Display | 3" brilliant TFT LCD |
| Resolution | 921,600 pixels |
| Color Space | sRGB, 16 million colors |
| Frame Coverage | 100 % |

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| View Angle | 170° |
| Cover Glass | Corning®Gorilla®Glass |
| Top Display | Monochrome LCD |
| Flash | |
| Interface | Lemo® Flash-Sync, Hot shoe with middle and control contacts |
| X-Synchronization FPS | 1/ 125 s |
| X-Synchronization CS | Up to 1/ 1000 s |
| High Speed Synchronization | HSS function up to 1/4000 s (with supported external flash units) |
| X-Sync Modes | Start/end exposure |
| Capture | |
| Drive Mode | Single, Continuous, Interval, Self-timer 2 s with mirror-up function, Self-timer 12 s with mirror-up function |
| Image Data | |
| Image Data Format | DNG lossless compressed, DNG+JPEG |
| File Size | DNG: approx. 70 MB (depending on image content and ISO), JPEG: approx. 2-30MB (depending on resolution, image content and ISO) |
| Frame Rate | Up to 3.0 fps |
| Buffer | 2GB storage, DNG lossless compressed up to 6 images, JPEG no limit (depending on memory medium, exposure time and ISO) |
| Storage | CF cards (max. UDMA 7), SD-/SDHC-/SDXC- < 512 GB memory cards UHS-I (recommended), UHS-II, 4K video recordings can only be stored on SD cards (UHS-I) |
| Others | |
| Play Mode | Full image, histogram with clipping, focus peaking, image information |
| Languages | English, French, German, Spanish, Italian, Japanese, Chinese traditional, Chinese simple, Russian, Korean, Portuguese |
| Firmware Update | Update via memory card |
| GPS | Provided |
| WLAN | 802.11n standard, integrated in camera, camera and picture control via smartphone or tablet app |
| Date/Time | GPS auto time and date or manual |
| Horizon | Sensitivity < 1° (0-40° temperature) |
| Interfaces | |
| USB | Lemo® USB 3.0 SuperSpeed |
| HDMI | HDM Type C |
| Audio | via Audio-Adapter S (Audio-in, Audio-out) |
| X-synchronization | Lemo® Flash-Sync |
| Cable Release | Lemo® Cable Release |
| Contact strip bottom plate | For Multifunction Handgrip S |
| Power Supply | |
| Battery | Leica Battery S BP-PRO1, Lithium-ion battery (7.3 V, 2300 mAh) |
| AC-Adapter | Leica AC-Adapter S for Leica S (from Typ 007) (available as accessory) |
| Charger | Leica Quick Charger S. Inputs: 100-240 V AC, 50/60Hz, 12/24 V DC Output: 7.4 V DC, 1250 mA. Leica Professional Charger S |
| Body | |
| Material | Magnesium body anti-slip rubberized, magnesium top plate, aluminum bottom plate, stainless steel bayonet and operation elements |
| Environment | 0 to +45° C, 15%-80% humidity |
| Dimensions | 160 x 80 x 120 mm (6.3 x 3.15 x 4.72 in) |

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| Weight | Approx. 1260 g/40.51 oz (without battery) |
| Dust/ Spraywater Sealing | Provided |
| Tripod Thread | 1/4" and 3/8" with anti-twist locking pins |
| Scope of Delivery | |
| Scope of Delivery | Camera Body, Leica Battery S BP-PRO1, Leica Quick Charger S (including adapter for EU, UK, US), Leica Camera Strap S, Leica Eyepiece Cap S, Leica Camera Cap S, Lemo® USB 3.0 cable S, Lemo® Flashsync cable S |
| Supported Accessories (optional) | |
| Flash | Leica SF60, Leica SF40, Leica SF C1 |
| Others | Leica Multifunction Handgrip S, Leica Hand Strap S, Professional Charger S, Leica AC-Adapter S, Leica System Case S, Leica HDMI Cable, Leica Grid Screen S, Leica Microprism Screen S, Leica Standard Screen S, Leica Cable Release S, Leica S-Adapter C/H/V/M645/P67, Leica Audio-Adapter S |

Subject to changes in design, production and availability.