



LEICA SL2-S

Technical Data.



Camera	Leica SL2-S
Camera type	Mirrorless full-frame system camera
Type no.	9584
Order no.	10 880 (EU/JP/US), 10 881 (ROW)
Buffer memory	4 GB DNG™: > 999 recordings JPG: > 999 recordings
Storage medium	UHS-II (recommended), UHS-I, SD/SDHC/SDXC memory card
Material	Full-metal housing made of aluminum and magnesium, leatherette, cover, splash-water protected in compliance with IEC standard 60529 (protection type IP54).
Lens mount	Leica L bayonet with contact strip for communication between lens and camera
Operating conditions	-10 to +40°C
Interfaces	ISO accessory shoe with additional control contacts, HDMI jack 2.0b Type A, USB 3.1 Gen1 Type C, Audio-Out 3.5 mm / Audio-In 3.5 mm, communication interface in the base cover for multifunction hand grip
Tripod thread	A 1/4 DIN 4503 (1/4") with stainless steel in the base
Dimensions (WxHxD)	146 x 107 x 83 mm
Weight	approx. 850 g (without battery), approx. 931 g (with battery)
Sensor	
Sensor size	CMOS sensor, pixel pitch: 5.94 µm / Fullframe (24.6 MP): 6072 x 4056 pixels / APS-C (10.6 MP): 3984 x 2656 pixels
Image Stabilization	5 axis Body Image Stabilization. Camera stabilizes up to 5.5 stops.
Filter	RGB color filter, UV/IR filter, no low-pass filter
Processor	Leica Maestro series (Maestro III)
File formats	Photo: DNG™ (raw data), DNG + JPG, JPG (DCF, Exif 2.31) Video: MP4: H.264/MPEG-4 AVC (Audio Format: 2ch 48 kHz/16 bit, AAC), MOV: H.264/MPEG-4 AVC (Audio Format: 2ch 48 kHz/16 bit, LPCM)
Picture resolution	DNG™: 6000 x 4000 pixels (24 MP), JPG: 6000 x 4000 pixels (24 MP), 4272 x 2848 pixels (12.2 MP), 2976 x 1984 pixels (5.9 MP) APS-C: DNG: 3963 x 2624 pixels (10.3 MP), JPG: 3963 x 2624 pixels (10.3MP), 2736 x 1824 pixels (5 MP), 1920 x 1280 pixels (2.5MP)
Color depth	DNG™: 14 bit, 12 Bit (super high continuous shooting), JPG: 8 bit
Color space	Picture: sRGB, Video: Rec. 709/Rec. 2020 (HLG/L-Log)
File size	DNG™: approx. 44 MB, JPG: depending on resolution and image content. Video: unlimited, max. file size: 96 GB
Recording Mode Video	Video mode: P - A - S - M / Cine mode: M
Video resolution	35 mm - C4K (17:9) 4096x2160 pixels (Sensor range: 6000 x 3168 pixels) 35 mm - 4K (16:9) 3840x2160 pixels (Sensor range: 6000 x 3368 pixels) 35 mm - Full HD (16:9) 1920x1080 pixels (Sensor range: 6000 x 3368 pixels) APS-C - C4K (17:9) 4096x2160 pixels (Sensor range: 4128 x 2176 pixels) APS-C - 4K (16:9) 3840x2160 pixels (Sensor range: 3984 x 2240 pixels) APS-C - Full HD 1920x1080 pixels (Sensor range: 3984 x 2240 pixels)

Video frame rate	MOV C4K: 59,94 B/s, 4:2:0 / 8 Bit (SD), 4:2:2 / 10 Bit (HDMI), APS-C, H.264, Long GOP, 150Mbps MOV C4K: 50 B/s, 4:2:0 / 8 Bit (SD), 4:2:2 / 10 Bit (HDMI), APS-C, H.264, Long GOP, 150Mbps MOV C4K: 29,97 B/s, 4:2:2 / 10 Bit (SD & HDMI), 35mm & APS-C, H.264, ALL-I, 400Mbps MOV C4K: 25 B/s, 4:2:2 / 10 Bit (SD & HDMI), 35mm & APS-C, H.264, ALL-I, 400Mbps MOV C4K: 24 B/s, 4:2:2 / 10 Bit (SD & HDMI), 35mm & APS-C, H.264, ALL-I, 400 Mbps MOV 4K: 59,94 B/s, 4:2:0 / 8 Bit (SD), 4:2:2 / 10 Bit (HDMI), APS-C, H.264, Long GOP, 150 Mbps MOV 4K:50 B/s 4:2:0 / 8 Bit (SD), 4:2:2 / 10 Bit (HDMI), APS-C, H.264, Long GOP, 150 Mbps MOV 4K:29,97 B/s 4:2:2 / 10 Bit (SD & HDMI), 35mm & APS-C, H.264, ALL-I, 400 Mbps MOV 4K:25 B/s 4:2:2 / 10 Bit (SD & HDMI), 35mm & APS-C, H.264, ALL-I, 400 Mbps MOV 4K:23,98 B/s 4:2:2 / 10 Bit (SD & HDMI), 35mm & APS-C, H.264, ALL-I, 400 Mbps MOV FHD: 180 B/s 4:2:0 / 8 Bit (SD & HDMI), APS-C, H.264, Long GOP, 20 Mbps MOV FHD:150 B/s 4:2:0 / 8 Bit (SD & HDMI), APS-C, H.264, Long GOP, 20 Mbps MOV FHD:120 B/s 4:2:0 / 8 Bit (SD & HDMI), 35mm & APS-C, H.264, Long GOP, 20 Mbps MOV FHD:100 B/s 4:2:0 / 8 Bit (SD & HDMI), 35mm & APS-C, H.264, Long GOP, 20 Mbps MOV FHD:59,94 B/s 4:2:2 / 10 Bit (SD & HDMI), 35mm & APS-C, H.264, ALL-I, 200 Mbps MOV FHD:50 B/s 4:2:2 / 10 Bit (SD & HDMI), 35mm & APS-C, H.264, ALL-I, 200 Mbps MOV FHD:29,97 B/s 4:2:2 / 10 Bit (SD & HDMI), 35mm & APS-C, H.264, ALL-I, 200 Mbps MOV FHD:25 B/s 4:2:2 / 10 Bit (SD & HDMI), 35mm & APS-C, H.264, ALL-I, 200 Mbps MOV FHD:23,98 B/s 4:2:2 / 10 Bit (SD & HDMI), 35mm & APS-C, H.264, ALL-I, 200 Mbps MP4 4K: 59,94 B/s 4:2:0 / 8 Bit (SD & HDMI), APS-C, H.264, Long GOP, 150Mbps MP4 4K: 50 B/s 4:2:0 / 8 Bit (SD & HDMI), APS-C, H.264, Long GOP, 150Mbps MP4 4K: 29,97 B/s 4:2:0 / 8 Bit (SD & HDMI), 35mm & APS-C, H.264, Long GOP, 100 Mbps MP4 4K: 25 B/s 4:2:0 / 8 Bit (SD & HDMI), 35mm & APS-C, H.264, Long GOP, 100 Mbps MP4 4K: 23,98 B/s 4:2:0 / 8 Bit (SD & HDMI), 35mm & APS-C, H.264, Long GOP, 100 Mbps MP4 FHD: 180 B/s 4:2:0 / 8 Bit (SD & HDMI), 35mm & APS-C, H.264, Long GOP, 20 Mbps MP4 FHD:150 B/s 4:2:0 / 8 Bit (SD & HDMI), 35mm & APS-C, H.264, Long GOP, 20 Mbps MP4 FHD:120 B/s 4:2:0 / 8 Bit (SD & HDMI), 35mm & APS-C, H.264, Long GOP, 20 Mbps MP4 FHD:100 B/s 4:2:0 / 8 Bit (SD & HDMI), 35mm & APS-C, H.264, Long GOP, 20 Mbps MP4 FHD:59,94 B/s 4:2:0 / 8 Bit (SD & HDMI), 35mm & APS-C, H.264, Long GOP, 28 Mbps MP4 FHD:50 B/s 4:2:0 / 8 Bit (SD & HDMI), 35mm & APS-C, H.264, Long GOP, 28 Mbps MP4 FHD:29,97 B/s 4:2:0 / 8 Bit (SD & HDMI), 35mm & APS-C, H.264, Long GOP, 20 Mbps MP4 FHD:25 B/s 4:2:0 / 8 Bit (SD & HDMI), 35mm & APS-C, H.264, Long GOP, 20 Mbps MP4 FHD:23,98 B/s 4:2:0 / 8 Bit (SD & HDMI), 35mm & APS-C, H.264, Long GOP, 24 Mbps
Bit Rate	8/10 bit for recordings on SD card, 10 bit via HDMI output
Video Gamma	Rec. 709, L-Log Rec. 2020, HLG Rec. 2020
Viewfinder/Display	
Viewfinder (EVF)	Resolution: 5,760,000 dots, 120 fps, magnification: 0.78x, aspect ratio: 4:3, frame coverage: 100%, exit pupil position: 21 mm, setting range +2/-4 diopters, with eye sensor for automatic switchover between viewfinder and LCD panel, time delay 0.005 s
LCD panel	3.2" (backlight LED) with anti-fingerprint and anti-scratch coating, 2,100,000 pixels (dots), format 3:2, touch control available
Top display	1.28" highly reflective trans-reflective monochrome LCD, 128 x 128 pixels, viewing angle 120°; anti-fingerprint coating
Shutter	
Shutter type	Electronically controlled focal plane shutter/electronic shutter
Shutter speeds	Mech. shutter: bulb, 30 min to 1/8000 s / Electr. shutter function: 60 s to 1/16000 s / Flash Synch: up to 1/250 s
Shutter button	Two-stage (1st stage: Activation of the camera electronics including autofocus and exposure metering, 2nd stage: Taking the picture)
Self-timer	Delay time: 2 s or 12 s
Picture Series	Single Single Continuous Low Speed (2 fps) Continuous Medium Speed (5 fps) Continuous High Speed (9 fps without AFc/AE/WB) Continuous Super Speed (25 fps with electr. shutter function without AFc/AE/WB) Interval Shooting Exposure Bracketing Multishot
Multishot	Generates 2 DNGs: 1x 24 MP, 1x 96 MP (8 pictures are combined into one high-res image)
Focusing	
Focus Mode	Automatic (Autofocus in modes iAF/AFs/AFc/Touch AF) or manual. With manual setting: Auto Magnification and Focus Peaking optionally available as focus aids
Autofocus system	Based on contrast metering and depth mapping
Autofocus modes	Smart AF (autonomously selects AFs and AFc), AFs (picture taken only after successful focusing), AFc (picture can be taken at any time), AF setting can be saved

Autofocus Metering Methods	Spot (can be shifted), Field (can be shifted), Multi-Field, Zone (can be shifted), Face detection, object Tracking, optional Touch AF
Autofocus Metering Fields	225
Exposure	
Exposure metering	TTL (,Through The Lens' exposure metering)
Exposure Metering Methods	Spot, Center-Weighted, Multi-Field
Exposure modes	Automatic program (P), Aperture priority (A): manual aperture setting, Shutter priority mode (S): manual shutter speed setting Manual (M): manual setting for shutter speed and aperture
Exposure Compensation	±3 EV in 1/3 EV increments or 1/2 EV increments
Automatic bracketing	3 or 5 exposures, up to ±3 EV, in 1/3 EV increments Shift function: up to ±3 EV
ISO sensitivity range	Auto ISO: ISO 100 to ISO 100000 Manual: ISO 50 to ISO 100000
White balance	Automatic (Auto), Daylight 5200 K, Cloudy 6000 K, Shadow 7000 K, Tungsten 3200 K, HMI 5600 K, Fluorescent Warm 4000 K, Fluorescent Cold 4500 K, Flash 5400 K, Gray Card Live View, Gray Card, Color Temperature 2000 K to 11500 K
Flash	
Flash unit connector	About the accessory shoe
Flash sync time	↔ : 1/250 s, slower shutter speeds available, automatic changeover to TTL linear flash mode with HSS-compatible Leica flash units if sync time is undercut
Flash exposure metering	Using center-weighted TTL pre-flash metering with Leica flash units (SF 26, 40, 58, 60, 64) or with system-compatible flash units, flash remote control SF C 1
Flash exposure compensation	SF 40: ±2 EV in 1/2 EV increments SF 60: ±2 EV in 1/3 EV increments
Equipment	
Microphone	Stereo internal + microphone input 3.5 mm stereo jack + power supply voltage (approx. 2.5 V)
Speaker	Mono internal + headphones output 3.5 mm stereo jack
WLAN	The Leica FOTOS app is required to use the WLAN function. The Leica app is available from the Apple App Store™ or the Google Play Store™. Compliant with Wi-Fi IEEE802.11b/g/n, 2.4 GHz, channel 1-11 (2412-2462 MHz) and Wi-Fi IEEE802.11ac, 2.4 GHz & 5 GHz, channel 39-48 (5180-5240 MHz), channel 52-64 (5260-5320 MHz), channel 100-140 (5500-5700 MHz) (standard WLAN protocol), encryption method: WLAN-compatible WPA™/WPA2™
Bluetooth	Bluetooth v4.2 (Bluetooth Low Energy (BLE)), 2402 to 2480 MHz
GPS	Via Leica FOTOS app
Menu languages	English, German, French, Italian, Spanish, Russian, Japanese, Simplified Chinese, Traditional Chinese, Korean
Power supply	
Rechargeable battery (Leica BP-SCL4)	Lithium-ion rechargeable battery, rated voltage: 7.2 V (DC); capacity: 1860 mAh (min.); charging time: approx. 140 min (after deep discharge); manufacturer: Panasonic Energy (Wuxi) Co. Ltd., Made in China Approx. 510 shots (according to CIPA standard, with auto power-off 10s), approx. 1430 shots (according to CIPA standard, adjusted shooting cycle*, with auto power-off 5s) *Alternating: switch on, one exposure every 3s, switch off after 10 exposures, 5min waiting time; switch on, one exposure every 3s, switch off after 50 exposures, 5min waiting time
USB Power Supply	USB charger function in standby mode or when switched off, USB power supply when switched on
Charger (Leica BC-SCL4)	Input: AC 100-240 V, 50/60 Hz, 0.25 A, automatic switchover; Output: DC 8.4 V 0.85 A; Manufacturer: Salom Electric (Xiamen) Co., Ltd., Made in China