



LEICA SL-SYSTEM

Technical Data.



Camera Type	LEICA SL (Typ 601) Mirrorless Fullframe System Camera	Order No. 10 850
Current Firmware	2.0	
Lenses		
Lens Mount	Leica L-Mount	
Applicable lenses	Leica Vario-Elmarit-SL 24-90 mm f/2.8-4 ASPH. Leica APO-Vario-Elmarit-SL 90-280 mm f/2.8-4 Leica Summilux-SL 50 mm f/1.4 ASPH. Lenses from the Leica T Camera System, Leica M-Lenses with Leica M-Adapter T, Leica S-Lenses with Leica S-Adapter L, Leica R-Lenses with Leica R-Adapter L and Leica Cine lenses with Leica PL-Adapter L.	Order No. 11 176 Order No. 11 175 Order No. 11 180
Sensor		
Type	24-MP-CMOS-Sensor (24 × 36 mm)	
Resolution	Full Frame (24 MP): 6000 × 4000 Pixel, APS-C (10 MP): 3936 × 2624 Pixel	
Filter	IR-Filter, no Lowpass Filter	
ISO	ISO 50-ISO 50000	
Sensor Cleaning	Provided	
Processor		
Type	Leica Maestro II series	
Internal RAM	2 GB: 33 DNGs or 30 JPEGs and DNGs	
Image		
Image Data Format	JPEG, DNG	
Colordepth	14 bit (DNG), 8 bit (JPEG)	
JPEG Color Space	Adobe RGB, ECI RGB, sRGB	
Motion		
File Format	MP4, MOV	
Resolution	4K (4096 × 2160) @ 24 fps; 4K (3840 × 2160) @ 25 and 30 fps; 1080 @ 24, 25, 30, 50, 60, 100 and 120 fps; 720 @ 24, 25, 30, 50, 60, 100 and 120 fps	
Bitrate	8 bit (recording); 10 bit (HDMI not recording)	
Color sampling	4:2:2/10 bit (HDMI only); 4:2:0/8 bit (recording on SD card)	
Video	L-Log selectable	
Audio	Manual/Auto; Stereo microphone, 48 kHz, 16 bit; Wind elimination	
Audio external via Audio-Adapter	Audio-In (3.5 mm phone jack), Audio-Out (3.5 mm phone jack)	
Movie Length	Max. duration: 29 min, Max. size: 4 GB	

EVF	
Resolution	SXAG, 4.4 MP
Size	0.66"
Eye Point	20 mm
Field of View	37°
Magnification	× 0.80 (with 50 mm lens at infinity, -1 dpt)
Frame coverage	100 %
Diopter correction	-4 to +2
Eye Sensor	Yes
Live View	Operating Modes: Video- and Photo-Live-View separated; Frame rate: up to 60 fps; Exposure simulation available, Optional information: Focus Peaking, Histogram, Clipping/Zebra, Level, Grid Overlay (3 × 3, 6 × 4), Aspect Ratio (1.33:1; 1.66:1; 1.78:1; 1.85:1; 2.35:1; 2.4:1), Safe Area (80 %; 90 %; 92.5 %; 95 %)
Storage SD Cards	<p>UHS-1: All UHS-1 SD cards;</p> <p>UHS-2: Recommended cards*:</p> <p>SANDISK EXTREME PRO UHS2 CLASS3 (16 GB) (32 GB) (64 GB);</p> <p>LEXAR PROFESSIONAL 1000x UHS2 CLASS3 (16 GB) (32 GB) (64 GB) (128 GB) (256 GB), PROFESSIONAL 2000x UHS2 CLASS3 (32 GB) (64 GB);</p> <p>TOSHIBA EXCERIA PRO CLASS1 (16 GB) (32 GB) (64 GB) (128 GB), EXCERIA PRO CLASS3 (16 GB) (32 GB) (64 GB) (128 GB);</p> <p>TRANSCEND ULTIMATE UHS2 CLASS3 (32 GB) (64 GB)</p> <p>* Leica performs ongoing compatibility tests of the latest cards available in the market. However due to changes in production and software of the SD cards, Leica can not guarantee 100% compatibility of the recommended cards.</p>
Focussing	
Type	Contrast AF
Focus Modes	AF-S (focus priority), AF-C (shutter priority), MF, Touch-AF
AF Modes	Static, Dynamic (tracking), Auto (face detection)
AF Size	Point, Field, Zone (9 Fields)
AF Steps	1, 5, 37 or 49 Fields; 529 Spot Positions
AF Assist Lamp	Built in
Exposure	
Exposure Modes	Program Mode (P), Shutter speed priority mode (T), Aperture priority mode (A) and manual mode (M)
Exposure Metering Modes	Center weighted, Multi zone, Spot
Exposure Compensation	±3 EV in 1/3 or 1/2 EV-steps
Exposure Bracketing	3/5 images in 1/2/3 aperture steps; additional direct JPEG-HDR
White Balance	Preset Auto, Daylight 5200 K, Cloudy 6000 K, Shade 7000 K, Tungsten 3200 K, HMI 5600 K, Fluorescent warm 4000 K, Fluorescent cool 4500 K, Flash 5400 K, Greycard, Manual color temperature 2000 K to 11500 K
Shutter	
Type	Focal plane shutter
Drive Modes	Single, Continuous slow S (4 fps), Continuous medium M (7fps), Continuous fast F (11 fps), Self timer 2s, Self timer 12s, Interval, Exposure Bracketing, Time exposures up to 30 min
Shutter speed	1/8000 s to 60 s, time exposures up to 30 min, Max. frame rate 11 fps; 1/8000 s to 1/16000 s using electronic shutter mode
Warranty	2 years or 200,000 releases
Flash	
Interface	Standard X-jack, Hot shoe with Sync. and TTL-Mode contacts
X-Synchronization	1/250 s
Wi-Fi	Built in, IEEE 802.11 b/g/n (2.4 GHz)
GPS	Built in, Automatic time and date, Sensitivity < 1°
Power supply	Rechargeable Lithium-Ion battery, Nominal voltage 8.4 V, Capacity at least 1860 mAh; Lifetime per charge (CIPA): approx. 400 shoots; Charging time: approx. 180 min; Charger: 100–240V 50/60 Hz 0.25 A with adapters

Touch Screen	2.95" Touch Back light LED with Anti-fingerprint and Anti-scratch coating; 1.04 Mio. pixels; Format 3:2; View angle: 170°; Colors: 16 Million; Frame coverage: 100 %
Top Display	1.28" highly reflective monochrome LCD; 128 × 128 dots; View angle 120°; Anti-fingerprint coating
Housing	
Material	Milled Aluminium
Dust/Spray water sealing	Provided
Interfaces	USB 3.0 Micro Type B; HDMI Type A; Multi connector adapter for Audio-Out 3.5 mm/Audio-In 3.5 mm; Multi Connector cable release; ISO accessory shoe with center and control contacts for flash units; Standard X-jack; Multifunctional interface in baseplate for optional handgrip
Tripod thread	A 1/4 DIN 4503 (1/4") with anti-twist locking pin
Dimensions/Weight	147 × 104 × 39 mm (W × H × D)/approx. 771 /847 g (without/with battery)
Working conditions	Approx. 0°–40 °C, max. 85 % humidity
Scope of delivery	Camera body, Camera strap, Lens mount cap, Battery, Battery Charger with international adapter, USB 3.0-cable, Manual, Warranty Card, Leica Lens cleaning tissue
Software	Remote Control (USB): Leica Image Shuttle SL; Remote Control (Wi-Fi): Leica SL app (Android/iOS)

LEICA SL Video Recording Specification

Sensor Mode	Recording Resolution	Color Sampling	h.264 Compression	Internal Recording (8 bit)		External Recorder (10 bit)
				Internal Recording .mp4 (fps)	Internal Recording .mov (fps)	External Recording (fps)
35 mm 16:9	1280x720 p	4:2:0	IPB	24; 25; 30; 50; 60; 100; 120	-	-
			ALL-I	-	24; 25; 30; 50; 60; 100; 120	-
		4:2:2	-	-	-	24; 25; 30; 50; 60; 100; 120
	1920x1080 p	4:2:0	IPB	24; 25; 30; 50; 60; 100; 120	-	-
			ALL-I	-	24; 25; 30; 50; 60; 100; 120	-
		4:2:2	-	-	-	24; 25; 30; 50; 60
Super 35 16:9	1280x720 p	4:2:0	IPB	24; 25; 30; 50; 60; 100; 120	-	-
			ALL-I	-	24; 25; 30; 50; 60; 100; 120	-
		4:2:2	-	-	-	24; 25; 30; 50; 60; 100; 120
	1920x1080 p	4:2:0	IPB	24; 25; 30; 50; 60; 100; 120	-	-
			ALL-I	-	24; 25; 30; 50; 60; 100; 120	-
		4:2:2	-	-	-	24; 25; 30; 50; 60
	3840x2160 p	4:2:0	IPB	25; 30	25; 30	-
		4:2:2	-	-	-	25; 30
	4096x2160 p	4:2:0	IPB	24	24	-
		4:2:2	-	-	-	24

Video Recording Format	Video Codec	Audio
mp4	h.264	AAC, 256 kb/s, 16 bit, Stereo
mov	h.264	LPCM, 48 kb/s, 16 bit, Stereo