



# LEICA SL-SYSTEM

Technical Data.



<b>Camera Type</b>	<b>LEICA SL</b> (Typ 601) Mirrorless Fullframe System Camera	Order No. 10 850
<b>Firmware status</b>	3.0	
<b>Lenses</b>		
Lens Mount	Leica L-Mount	
<b>Sensor</b>		
Type	CMOS-Sensor Size 24 × 36 mm (Full frame)	
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	
<b>Processor</b>		
Type	Leica Maestro II series	
Internal RAM	2 GB: 33 DNGs or 30 JPEGs and DNGs	
<b>Image</b>		
Image Data Format	JPEG, DNG	
Colordepth	14 bit (DNG), 8 bit (JPEG)	
JPEG Color Space	Adobe RGB, ECI RGB, sRGB	
<b>Motion</b>		
File Format	MP4, MOV	
Resolution	4K (4096 × 2160) @ 24 fps; 4K (3840 × 2160) @ 24, 25, 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)	
Colordepth	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), with Audio Adapter AA-SCL4	
Movie Length	Max. duration: 29 min, Max. size: 4 GB	

<b>EVF</b>	
Resolution	SXAG 4.4 million dots
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
<b>Live View</b>	Operating Modes: Video- and Photo-Live-View separated; Frame rate: up to 60 fps; Exposure simulation and depth of field 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%)
<b>Storage SD Cards</b>	<p><b>UHS-1:</b> All UHS-1 SD cards;</p> <p><b>UHS-2:</b> Recommended cards*:</p> <p><b>SANDISK</b> EXTREME PRO UHS2 CLASS3 (16 GB) (32 GB) (64 GB);</p> <p><b>LEXAR</b> PROFESSIONAL 1000x UHS2 CLASS3 (16 GB) (32 GB) (64 GB) (128 GB) (256 GB), PROFESSIONAL 2000x UHS2 CLASS3 (32 GB) (64 GB);</p> <p><b>TOSHIBA</b> EXCERIA PRO CLASS1 (16 GB) (32 GB) (64 GB) (128 GB), EXCERIA PRO CLASS3 (16 GB) (32 GB) (64 GB) (128 GB);</p> <p><b>TRANSCEND</b> 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>
<b>Focussing</b>	
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
<b>Exposure</b>	
Exposure Modes	Program Mode (P), Shutter speed priority mode (A), Aperture priority mode (S) 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
<b>White Balance</b>	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
<b>Shutter</b>	
Type	Electronically-controlled, vertical-traverse, focal-plane type.
Drive Modes	Single, Continuous slow S (4 fps), Continuous medium M (7 fps), Continuous fast F (11 frames / sec. without AF/AE/WB), Self timer 2 s, Self timer 12 s, Interval, Exposure Bracketing, Time exposures up to 30 min
Shutter speed	1/8000 s to 60 s, time exposures up to 30 min, 1 Second to 1/16000 s using electronic shutter mode
<b>Flash</b>	
Interface	Standard X-jack, Hot shoe with Sync. and TTL-Mode contacts
X-Synchronization	1/250 s
<b>Wi-Fi</b>	Built in, IEEE 802.11 b/g/n (2.4 GHz)
<b>GPS</b>	Built in, Automatic time and date, Sensitivity < 1°
<b>Power supply</b>	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: 100–240 V 50/60 Hz 0.25 A with adapters
<b>Touch Screen</b>	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 %

<b>Top Display</b>	1.28" highly reflective monochrome LCD; 128 × 128 dots; View angle 120°; Anti-fingerprint coating
<b>Housing</b>	
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 for optional handgrip
Tripod thread	A 1/4 DIN 4503 (1/4") with anti-twist locking groove
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
<b>Scope of delivery</b>	Leica SL (Typ 601), Camera Strap Professional, Cordura (black), Camera Cover SL, Lithium-Ion-Battery BP-SCL4 (black) ,Battery Charger BC-SCL4, USB 3.0 Cable 3m, Instructions, Garanty Card, Optical cleaning cloth
<b>Software</b>	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		External recorder over HDMI	
				Internal Recording .mp4 8 bit (fps)	Internal Recording .mov 8 bit (fps)	Only external recording 10 bit (fps)	Internal and external recording 8 bit (fps)
35 mm 16:9	1280x720p	4:2:0	IPB	24; 25; 30; 50; 60; 100; 120	-	-	-
			ALL-I	-	24; 25; 30; 50; 60	-	-
		4:2:2	-	-	-	24; 25; 30; 50; 60	24; 25; 30; 50; 60
	1920x1080p	4:2:0	IPB	24; 25; 30; 50; 60; 100; 120	-	-	-
			ALL-I	-	24; 25; 30; 50; 60	-	-
		4:2:2	-	-	-	24; 25; 30; 50; 60	24; 25; 30; 50; 60
Super 35 16:9	1280x720p	4:2:0	IPB	24; 25; 30; 50; 60; 100; 120	-	-	-
			ALL-I	-	24; 25; 30; 50; 60	-	-
		4:2:2	-	-	-	24; 25; 30; 50; 60	24; 25; 30; 50; 60
	1920x1080p	4:2:0	IPB	24; 25; 30; 50; 60; 100; 120	-	-	-
			ALL-I	-	24; 25; 30; 50; 60	-	-
		4:2:2	-	-	-	24; 25; 30; 50; 60	24; 25; 30; 50; 60
	3840x2160p	4:2:0	IPB	24; 25; 30	24; 25; 30	-	-
		4:2:2	-	-	-	24; 25; 30	24; 25; 30
	4096x2160p	4:2:0	IPB	24	24	-	-
		4:2:2	-	-	-	24	24

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