



# LEICA SL3-P

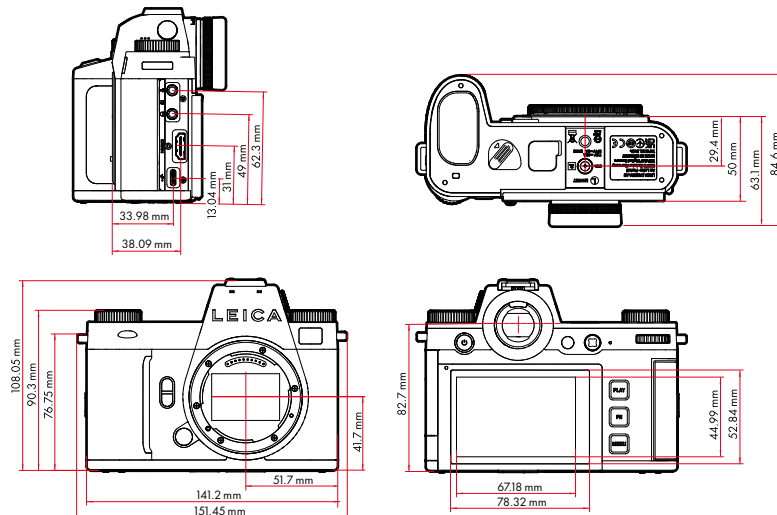
## Technical Data.



<b>Designation</b>	<b>Leica SL3-P</b>																																								
Camera type	Mirrorless full-frame system camera																																								
Type No.	3403																																								
Order No.	10664 (EU), 10665 (JP), 10666 (ROW)																																								
RAM	8 GB																																								
Buffer memory	The number of images that can be stored in the camera's RAM depends on the frame rate and image format (approx. value).																																								
	<table border="1"> <thead> <tr> <th>Continuous shooting</th> <th>DNG</th> <th>DNG + JPG</th> <th>JPG</th> </tr> </thead> <tbody> <tr> <td>2 fps, 14 bit, AF</td> <td>1000</td> <td>275</td> <td>1000</td> </tr> <tr> <td>5 fps, 14 bit, AF</td> <td>180</td> <td>95</td> <td>195</td> </tr> <tr> <td>7 fps, 14 bit, AF</td> <td>125</td> <td>85</td> <td>130</td> </tr> <tr> <td>15 fps, 14 bit, AF</td> <td>70</td> <td>70</td> <td>70</td> </tr> <tr> <td>15 fps, 12 bit, AF</td> <td>70</td> <td>70</td> <td>70</td> </tr> <tr> <td>25 fps, 12 bit, AF</td> <td>70</td> <td>70</td> <td>70</td> </tr> <tr> <td>25 fps, 14 bit, AF</td> <td>70</td> <td>70</td> <td>70</td> </tr> <tr> <td>30 fps, 12 bit, AF</td> <td>70</td> <td>70</td> <td>70</td> </tr> <tr> <td>40 fps, 12 bit, AF</td> <td>70</td> <td>70</td> <td>70</td> </tr> </tbody> </table>	Continuous shooting	DNG	DNG + JPG	JPG	2 fps, 14 bit, AF	1000	275	1000	5 fps, 14 bit, AF	180	95	195	7 fps, 14 bit, AF	125	85	130	15 fps, 14 bit, AF	70	70	70	15 fps, 12 bit, AF	70	70	70	25 fps, 12 bit, AF	70	70	70	25 fps, 14 bit, AF	70	70	70	30 fps, 12 bit, AF	70	70	70	40 fps, 12 bit, AF	70	70	70
Continuous shooting	DNG	DNG + JPG	JPG																																						
2 fps, 14 bit, AF	1000	275	1000																																						
5 fps, 14 bit, AF	180	95	195																																						
7 fps, 14 bit, AF	125	85	130																																						
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30 fps, 12 bit, AF	70	70	70																																						
40 fps, 12 bit, AF	70	70	70																																						
Storage medium	UHS-II (recommended), UHS-I, SD/SDHC/SDXC card + CFexpress card type B (recommended)																																								
Material	Full metal housing: magnesium and aluminum, leatherette covering, splash water protected in accordance 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, synch jack/timecode interface, HDMI jack 2.1 Type A, USB-C USB3.1 Gen2, Audio-Out 3.5 mm/Audio-In 3.5 mm, communication interface in the bottom cover for multifunction handgrip																																								
Tripod thread	A 1/4 DIN 4503 (1/4") with stainless steel in the base																																								

The values refer to a CFe Card Type B with the setting **Leica Content Credentials** = Off

### Dimensions



<b>Weight</b>	Approx. 768 g (without battery, memory cards, camera bayonet cover)
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# LEICA SL3-P

## Sensor

Sensor size CMOS sensor, 45.8 MP/44.9 MP (total/effective)

Image stabilization 5-axis image stabilization up to 5-stops

Filter RGB color filter, UV/IR filter, no low-pass filter

Processor Leica Maestro series (Maestro IV)

File formats Photo: DNG™ (raw data), DNG + JPG, JPG (DCF 2.0, Exif 3.00)  
Video:

<b>MP4</b>	H.265	AAC	48 kHz/16 bit
	H.264	AAC	48 kHz/16 bit
<b>MOV</b>	H.265	LPCM	48 kHz/24 bit
	H.264	LPCM	48 kHz/24 bit
	ProRes	LPCM	48 kHz/24 bit
<b>RAW</b>	not applicable	LPCM	48 kHz/24 bit

Image resolution

35 mm	JPG		DNG	
<b>L</b>	8144 x 5424	44.2 MP	8144 x 5424	44.2 MP
<b>S</b>	6336 x 4208	26.7 MP	6336 x 4218	26.7 MP
APS-C	JPG		DNG	
<b>L</b>	5360 x 3568	19.1 MP	5360 x 3568	19.1 MP
<b>S</b>	4160 x 2768	11.5 MP	4168 x 2776	11.5 MP
Multishot	JPG		DNG	
<b>L</b>	16288 x 10848	176.7 MP	16288 x 10848	176.7 MP
<b>M</b>	11504 x 7664	88.2 MP	-	-

Color depth DNG™: 14 bit (12 bit also possible depending on the continuous shooting mode), JPG: 8 bit

Color space (photo) sRGB

File size DNG™: approx. 60 MB (L-DNG), depending on resolution and image content, JPG: approx. 21 MB (L-JPG), depending on resolution and image content  
Video: max. length depending on ambient temperature and available memory space

Recording modes Photo mode: P-A-S-M; Video mode: P-A-S-M; Cine mode: M

Video Resolution

	Resolution	Aspect ratio
<b>8K OG</b>	8064 x 5376 (MOV)	3:2
	8128 x 5418 (RAW)	3:2
<b>C8K</b>	8128 x 4288 (MOV)	17:9
	8128 x 4302 (RAW)	17:9
<b>8K</b>	7680 x 4320	16:9
<b>7.2K OG</b>	7200 x 4800	3:2
<b>7.2K</b>	7232 x 4820	3:2
<b>6.4K OG</b>	6432 x 4288	3:2
<b>C6K</b>	5760 x 3040	17:9
<b>6K</b>	5888 x 3312 (H.265)	16:9
<b>4.8K</b>	4752 x 3568	4:3
<b>4.7K</b>	4736 x 3552	4:3
<b>C4K</b>	4096 x 2160 (MOV/MP4)	17:9
<b>4K</b>	3840 x 2160	16:9
<b>Full HD</b>	1920 x 1080	16:9
<b>2K (Proxy)</b>	2048 x 1080	17:9
<b>1.9K (Proxy)</b>	1920 x 1440	4:3
	1920 x 1280	3:2
<b>Full HD (Proxy)</b>	1920 x 1080	16:9

Video frame rate See: "Leica SL3-P Video Specification"

Bit rate 8 bit/10 bit for recordings on SD and Cfe card, 10 bit for HDMI output



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Color space (video) / Video Gamma	Rec. 709, Rec. 2020 (L-Log & HLG) Further information can be found in the "L-Log Reference Manual" for download on the Leica homepage
Recording time (no time limit*)	Recording times depend on storage capacity and sensor temperature (*typical recording times at 25°C: 8K/30 fps approx. 20 min, 6K/30 fps approx. 25 min, 4K/30 fps approx. 30 min)

## Viewfinder/LCD panel

Viewfinder (EVF)	Resolution: 5,760,000 dots, 60 fps or 120 fps, magnification: approx. 0.76x at aspect ratio: 3:2 / approx. 0.78x at aspect ratio: 4:3, frame coverage: 100%, exit pupil position: 21 mm, setting range -4/+2 dpt, 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, 2,332,800 dots, format 3:2, touch panel
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
Shutter speeds	Mech. shutter: 30 min to 1/8000 s, electr. shutter function: video: - 1/10000 s (EV levels = 1/2 and 1/3), photo 14 bit: - 1/8000 s, photo 12 Bit: 1/16000 s, flash synchronization: up to 1/200 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, 6 s, 12 s or 30 s

Drive Mode	<b>Single</b> , <b>Continuous Shooting</b> , <b>Interval Shooting</b> , <b>Exposure Bracketing</b> , <b>Multi-Shot</b> Continuous shooting:
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Setting	Shutter type	Autofocus mode for continuous shooting
2 fps, 14 bit, AF	Mech. or electr. shutter	AFc, even if AFs or Intelligent AF is selected
5 fps, 14 bit, AF		
7 fps, 14 bit, AF		
15 fps, 12 bit, AF	Electr. shutter	
15 fps, 14 bit, AF		
25 fps, 12 bit, AF		
25 fps, 14 bit, AF		
30 fps, 12 bit, AF		
40 fps, 12 bit, AF		

## Focusing

Focus mode	Automatic or manual With manual setting: optional magnifying glass function ( <b>Magnification</b> ) and edge marking ( <b>Focus Peaking</b> ) available as focus assist
Autofocus system	Hybrid-AF due to combination of contrast metering, depth mapping, and phase comparison metering with AF metering points in the sensor.
Autofocus modes	<b>Intelligent AF</b> (automatically refocuses as soon as something changes in the scene), <b>AFs</b> , <b>AFc</b> , AF setting can be saved, optional <b>Touch AF</b>
Autofocus metering methods	<b>Field / Spot</b> (can be shifted and scaled), <b>Zone / Multi-Field</b> (can be shifted and scaled), <b>Tracking</b>
Autofocus detection	<b>Human (Eye/Face/Body)</b> , <b>Human (Eye/Face)</b> , <b>Animal (Body)</b> , <b>Animal (Eye/Body)</b> , <b>Car</b> , <b>Car (Parts)</b>
Autofocus metering fields	Contrast AF: 315 / Phase detection AF: 819

## Exposure

Exposure metering	TTL (exposure metering through the lens)
Exposure metering methods	<b>Spot</b> , <b>Center-Weighted</b> , <b>Highlight-Weighted</b> , <b>Multi-Field</b>



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Exposure modes Program AE mode (P), aperture-priority mode (A): manual aperture setting, shutter-priority mode (S): manual shutter speed setting, Manual (M): manual setting for shutter speed and aperture

Exposure compensation  $\pm 3$  EV in 1/3 EV increments or 1/2 EV increments

Automatic bracketing 3 or 5 frames, graduations between shoots up to 3 EV, in 1/3 EV increments, additional optional exposure compensation: up to  $\pm 3$  EV

ISO sensitivity range	Photo	Video	L-Log	L-Log (DRB)	HLG
Auto ISO	ISO 100– ISO 200 000	ISO 100– ISO 100 000	ISO 200– ISO 50 000	ISO 400– ISO 50 000	ISO 400– ISO 100 000
Manual	ISO 50– ISO 200 000	ISO 50– ISO 100 000	ISO 200– ISO 50 000	ISO 400– ISO 50 000	ISO 400– ISO 100 000

Dual Basis ISO settings	Photo	Video	L-Log	L-Log (DRB)	HLG
Low Basis-ISO	ISO 50– ISO 360	ISO 50– ISO 360	ISO 200– ISO 720	ISO 400– ISO 1440	ISO 400– ISO 1440
High Basis-ISO	ISO 400– ISO 200 000	ISO 400– ISO 100 000	ISO 800– ISO 50 000	ISO 1600– ISO 50 000	ISO 1600– ISO 100 000

White balance Automatic (Auto), default (Daylight, Cloudy, Shadow, Tungsten, HMI, Fluorescent (warm), Fluorescent (cool), Flash), manual metering (Gray Card (pipette), Gray Card), manual color temperature settings (Color Temperature, 2000 K to 11500 K)

## Flash

Flash unit connector Via the accessory shoe

Flash synchro socket For flash synchronization (photo mode only)

Flash sync time  $\leftarrow$  : 1/200 s, slower shutter speeds available, automatic switchover to TTL linear flash mode with HSS-compatible Leica system flash units if sync time is undercut

Flash exposure metering Using center-weighted TTL pre-flash metering with Leica flash units (SF 26, SF 40, SF 58, SF 60, SF 64) or with system-compatible flash units, remote controlled flash SFC1

Flash exposure compensation SF 40:  $\pm 2$  EV in 1/2 EV increments  
SF 60:  $\pm 2$  EV in 1/3 EV increments

## Equipment

Microphone Stereo internal + microphone input 3.5 mm stereo jack

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™.

	2.4 GHz	5 GHz
EU/ US/ CN	IEEE802.11b/g/n: Channel 1–11 (2412– 2462 MHz)	Client mode: (For indoor use only) IEEE802.11a/n/ac: Channel 36–64 (5180–5320 MHz)
JP		Access point + client mode: (For indoor use only) IEEE802.11a/n/ac: Channel 36–48 (5180–5240 MHz)
ROW		Access point + client mode: (For indoor use only) IEEE802.11a/n/ac: Channel 52–144 (5260–5720 MHz)

Encryption method: WLAN-compatible WPA2™, WPA2™/WPA3™ and WPA3™

Bluetooth Bluetooth 5.0 LE: Channel 0–39 (2402–2480 MHz)

GPS Not available everywhere due to country-specific legislation; can be added via the Leica FOTOS app. Data is written to Exif header of the picture files.

Menu languages English, German, French, Italian, Spanish, Portuguese, Russian, Japanese, Simplified Chinese, Traditional Chinese, Korean



# LEICA SL3-P

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## Power supply

Rechargeable battery  
(Leica BP-SCL6)

Lithium-ion rechargeable battery, rated voltage: 7.2 V (DC); capacity: 2200 mAh (min.); 383 shots (based on CIPA standard, **AF Detection = Off**), 1431 shots (based on CIPA standard with adapted shooting cycle\*, measurement conditions: SD UHS I, BP-SCL6, **AF Detection = Off**); manufacturer: Panasonic Energy (Wuxi) Co. Ltd., Made in China

\***Cycle 1:** Switch on, 1st shutter release after 5 s, one shot every 3 s, after 10 shots the camera is switched off (**Auto Power Off**) and switched on again after a waiting time of 5 min.

\***Cycle 2:** Switch on, 1st shutter release after 5 s, one shot every 3 s, the camera switches off after 50 shots (**Auto Power Off**) and switched back on after a waiting time of 5 min.  
These cycles are repeated alternately until the battery is empty.

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USB-C power adapter  
(Leica ACA-SCL6)  
(optional)

Input: AC 100–240 V, 50/60 Hz, 0.25 A, automatic switchover; Output: DC 5 V/9 V, 3 A; Manufacturer: Salom Electric (Xiamen) Co., Ltd., Made in China

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Dual Charger  
(Leica BC-SCL6)  
(optional)

Input: DC 5 V/3 A, 9 V/3 A, automatic switchover; Output: DC 8.4 V, 850 mA/1000 mA; Manufacturer: Salom Electric (Xiamen) Co., Ltd., Made in China

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Charging via USB

During operation: 9 V/3 A (min. 27 W)  
With camera switched off: 5 V/1500 mA (2.5 W or greater)

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QuickTime