



# LEICA S (TYP 007)

Technical data.



<b>Product</b>	<b>Leica S (Typ 007)</b>
Order no.	10 804
Camera type	Medium Format DSLR.
<b>Sensor</b>	
Type	Leica CMOS-Sensor with microlenses.
Size	30 x 45 mm (Leica ProFormat).
Aspect Ratio	2:3.
Resolution	37.5 Mio pixel.
Pixel Pitch	6 µm.
Dynamic Range	Up to 15 f-stops.
Color Resolution	16 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, autoISO.
Meta Data	Meta-Data Copyright Information.
<b>Lens</b>	
Lens Mount	Leica S mount designed for Leica S lenses.
Crop Factor	0.8 equivalent to 35 mm format.
<b>Focussing</b>	
Type	Predictive auto focus with central cross sensor.
AF Modes	AF single, predictive AF continuous, manual override.
AF Look	Shutter release button, joystick.
MF	Via lens.
<b>Exposure Mode</b>	
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.

Exposure Modes	P: full automatic (with manual exposure shift), T: exposure time priority, A: aperture priority, M: manual.
Exposure Compensation	± 3 f-stops (half steps).
Bracketing	3 or 5 exposures. ½, 1, 2, 3 f-stops.
<b>Shutter</b>	
Shutter	Focal plain shutter, central shutter with Leica CS lenses.
Type	Microprocessor controlled metal blades.
Drive Modes	Single, Continuous, Interval, Selftimer 2s/12s (with mirror-up).
Shutter Speed	60 s (depending on ISO) up to 1/4000 in half steps, long exposure up to 60 s.
Frame Rate	Up to 3,5 fps.
Shutter Release Button	Two-step.
Self Timer	2 s or 12 s with mirror up.
Mirror Up	Provided.
<b>Motion</b>	
Motion	Full HD with full sensor width. Cine 4K Video with Super 35 Window-Mode.
Resolution	Full HD: 1920 x 1080 p, 4K: 4096 x 2160 p.
Frame Rate	Full HD: 24, 25, 30 fps, 4K: 24 fps.
File Format	MOV (Motion JPEG).
Color Sampling	4:2:2
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 8 bit 4:2:2 HDMI video stream dedicated for external HDMI recorders.
<b>Live View</b>	
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.
<b>Viewfinder</b>	
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 field (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.
<b>Displays</b>	
Back Panel Display	3" brilliant TFT LCD.
Resolution	921,600 pixels.
Color Space	sRGB, 16 million colors.
Frame Coverage	100%.

View Angle	170°.
Cover Glass	Corning® Gorilla® Glass.
Top Display	Monochrome LCD.
<b>Flash</b>	
Interface	Lemo® Flash-Sync. Hot shoe with middle and control contacts.
X-Synchronization FPS	1 / 125 s.
X-Synchronization CS	Up to 1 / 1.000 s.
High Speed Synchronization	HSS function up to 1 / 4000 s (with supported external flash units).
X-Sync Modes	Start/end exposure.
<b>Capture</b>	
Drive Mode	Single, Continuous, Interval, Self-timer 2 s with mirror-up function, Self-timer 12 s with mirror-up function.
<b>Image Data</b>	
Image Data Format	DNG lossless compressed, JPEG 37.5 MP, 9.3 MP, 2.3 MP, DNG+JPEG.
File Size	DNG lossless compressed: approx. 42 MB, JPEG: approx. 1 MB–16 MB (depending on image content and resolution).
Frame Rate	Up to 3,5 fps.
Buffer	DNG lossless compressed up to 15 images, JPEG no limit (depending on memory medium, exposure time and ISO).
Storage	SD (SDXC), CF (UDMA7), external (PC).
<b>Others</b>	
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	Camera integrated (camera and image control via smartphone or tablet iOS app).
Date/Time	GPS auto time and date or manual.
Horizon	Sensitivity < 1° (0–40° temperature).
<b>Interfaces</b>	
USB	Lemo® USB 3.0 SuperSpeed.
HDMI	HDM Type C.
Audio	Audio-Adapter (Audio-in, Audio-out, Time-Code).
X-synchronization	Lemo® Flash-Sync.
Cable Release	Lemo® Cable Release.
WiFi	Camera integrated.
Handgrip	For Multifunction Handgrip S.
<b>Power Supply</b>	
Battery	Rechargeable lithium-ion battery 7.3 V, 2300 mAh.
AC-Adapter	Leica AC-Adapter S for Leica S (Typ 007) (available as accessory).
Charger	Leica Quick Charger S. Inputs: 100–240 V AC, 50/60 Hz, 12/24 V DC Output: 4.2 V DC, 800 mA. Leica Professional Charger S.
<b>Body</b>	
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).

Weight	Approx. 1.260 g/40.51 oz (without battery).
Dust/ Spraywater Sealing	Provided.
Tripod Thread	1/4" and 3/8" with anti-twist locking pins.
<b>Scope of Delivery</b>	
Scope of Delivery	Camera Body, Leica Battery S BP-PRO1, Leica Quick Charger S (including adapter for EU, UK, US, car), Leica Camera Strap S, Leica Eyepiece Cap S, Leica Camera Cap S, Lemo® USB3.0 cable S, Lemo® Flashsync cable S.
<b>Supported Accessories (optional)</b>	
Flash	Leica SF58, Leica SF58 Diffusor.
Others	Leica Multifunction Handgrip S, Leica Hand Strap S, Professional Charger S, NEW: 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.
<b>Servicepakete</b>	
Versions	Leica Protection Plan Body (optional), Leica Protection Plan Lens (optional), Leica Protection Plan Vario Lens (optional), Leica Protection Plan CS Lens (optional).

Subject to changes in design, production and availability.