



Technical Data - LEICA S

(Last revised September 2012 / We reserve the right to make technical changes)

Camera	Leica S (Type 006)
Order number	10803
Camera type	Digital medium format SLR camera
Lens mount	LEICA S bayonet
Compatible lenses	LEICA S lenses
Image sensor	CCD sensor
Sensor size	Leica Pro format# 45 x 30 (mm)
Aspect ratio	3:2
Sensor resolution	37.5 MP# 7500 x 5000 pixel
Pixel size	6µm
Microlenses on sensor	Yes, with microlens shift
Dynamic range	12 f-stops
Low-pass filter	No, for maximum detail transfer
IR filter	on sensor
Color depth	16 bit
Working color space (JPEG)	sRGB AdobeRGB ECI-RGB V2
Image settings (JPEG)	Contrast Sharpness Saturation
ISO range	autoISO ISO100 ISO200 ISO400 ISO800 ISO1600
White balance	autoWB daylight 5200K cloudy 6000K shade 7000K tungsten light 3200K HMI 5600K Neon warm 4000K Neon cool 4500K Flash 5400K Gray card Color temperature 2000K to 13100K

Exposure modes	Single Continuous Self-timer 2s with mirror-up function Self-timer 12s with mirror-up function
Mirror-up function	Yes
Exposure modes	M (manual) P (program automatic) T (time pre-select) A (aperture priority) B (BULB with time pre-select)
Image data format	DNG DNG lossless compressed JPEG fine/standard 37.5 MP, 9.3 MP 2.3 MP DNG+JPEG
File sizes	DNG: approx. 72MB DNG lossless compressed: 42MB JPEG: approx. 1MB-16MB (depending on image content, compression ratio and resolution)
Storage media	SD (SDXC) CF (UDMA7) external (PC)
Memory	2GB RAM
Frame rate	max. 1.5 fps
Buffer memory	DNG: up to 28 consecutive images DNG lossless compressed: up to 32 consecutive images JPEG: unlimited
Menu languages	English, French, German, Spanish, Italian, Japanese, Chinese traditional and simple, Russian
Computer interface	High-speed USB2.0
Exposure metering	Open aperture measurement through lens TTL
Exposure metering method	Multi-pattern center-weighted spot (3.5 %)
AE lock	Shutter release or AF/AE memory button (on back of camera)
Exposure compensation	+ /- 3 EV in 1/2 f-stops
Bracketing	Yes 3 or 5 images 1/2EV, 1EV, 2EV, 3EV automatic mode (all images captured with a single press of the shutter release)
Light metering range	Spot (ISO100, f=2.5) +2.1EV to +20EV Multi-pattern/center-weighted (ISO100, f=2.5) +1.1EV to +20EV
Shutter	Slot shutter (microprocessor-controlled shutter) Central shutter (with Leica S central shutter lenses)
Shutter speeds	1/4000s to 125s

Flash control	SCA 3502 max. compatibility LEICA SF58 (order number. 14488) TTL TTL-HSS (up to 1/4000s) A M Strobe start or end of exposure
Flash synchronization	Focal plane shutter: 1/125s with Leica SF58 in HSS (high-speed sync) up to 1/4000s central shutter: 1/1000s
Flash synchronization point	Start of exposure End of exposure
Flash sockets	Accessory shoe with middle and control contacts Flash sync socket LEMO® synchronous flash
Focus	Central cross type sensor (phased autofocus)
Focus methods	AFs (sharpness priority) AFc (shutter release priority) AF (can be corrected at any time by manual focus) MF (manual focus with focus indicator on back panel display)
Focus memory	2. Shutter release pressure point AF/AE memory button
Viewfinder	Pentaprism type
Diopter compensation	-3 dpt to +1dpt
Viewfinder coverage	approx. 98%
Viewfinder magnification	0.86 at 70mm, infinity, 0dpt.
Eyepieces	Mag. Viewfinder shutter (included in package content)
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
Top plate display	Colored OLED
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
Power supply	Leica Battery S Lithium-ion battery, 7.4V, 2100mAh Leica AC Adapter S
Charger	Leica Quick Charger S Inputs: 100-240V AC, 50/60Hz, 12/24V DC Output: 4.2V DC, 800mA Leica Professional Charger S

Camera body	Magnesium body anti-slip rubberized magnesium top plate brass bayonet
Operating conditions:	0°-45° C 15-80% rel. humidity
Interfaces	Hotshoe HDMI jack Flash sync socket LEMO® USB2.0 HiSpeed jack LEMO® flash sync socket/LEMO® cable release socket Contact bar for Leica Multifunctional Handgrip S (for Leica S (Typ 006))
Controls	Main switch (off/fps/cs) Clickwheel Shutter speed dial Shutter release Depth-of-field button Lens release button Diopter adjustment ring 4 function keys Joystick/AF+AE memory button
Tripod thread	1/4" and 3/8" with anti-twist locking pins
Dimensions	approx. 160x80x120 mm (LxWxH)
Weight	Approx. 1260g with battery
Scope of delivery (Products & software)	Leica S (type 006) (order no. 10803) Leica Battery S (order no. 14429) Leica Quick Charger S (including adapter for EU,UK,US, car) (order no. 16009) Leica Camera Strap S (order no. 16037) Leica Eyepiece Cap (order no. 16015) Leica Camera Cap (order no. 16021) Leica USB Cable S (order no. 16014) Leica Flash Sync Cable S (for Leica S (Type 006)) (order no. 16031) Software: Leica Image Shuttle, Adobe® Photoshop® Lightroom® (download after registration in customer area)
Optional accessories	Leica Multifunctional Handgrip S (for Leica S (Type 006)) (order no. 16028) Leica Wrist Strap S (order no. 16004) Leica Professional Charger S (order no. 16011) Leica SF58 (order no. 14488) Leica HDMI Cable (order 14491/ JP+TW 14492) Leica Grid Screen S (order no. .16002) Leica Microprism Screen S (order no. 16001) Leica AC Adapter S (order no. 16022) Leica Standard Screen S (order no. 16000) Leica Cable Release S (for Leica S (of type 006)) (Order no. 16029)

Leica S Adapter V/M645/P67/H (order
16024/16025/16026/16030)
Leica Case S (order no. 16010)
