



# LEICA S3

## Technical data.



<b>Product</b>	<b>Leica S3</b>
Order no.	10 827   10 832 (US-Version)
Camera type	Medium Format DSLR
<b>Sensor</b>	
Type	Leica CMOS-Sensor with microlenses
Size	30 x 45 mm (Leica ProFormat)
Aspect Ratio	3:2
Resolution	64 Mio pixel
Pixel Pitch	4.6 µm
Dynamic Range	Up to 15 f-stops
Color Resolution	14 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, ISO 25000, ISO 50000, 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 TTL autofocus with central cross sensor and phase detection
AF Modes	AFs(single) = single focus, AFc(continuous) = predictive focus tracking, manual override
AF Look	Shutter release button, joystick
MF	Via lens with electronic focusing aid
<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 control
Exposure Compensation	± 3 f-stops (half steps)
Bracketing	3 or 5 exposures. ½, 1, 2, 3 f-stops
<b>Shutter</b>	
Shutter	Focal plane shutter, central shutter with Leica CS lenses
Type	Microprocessor controlled metal blades
Drive Modes	Single, Continuous, Interval, Selftimer 2 s/ 12 s (with mirror-up)
Shutter Speed	8 min (depending on ISO) up to 1/4000 in half steps
Frame Rate	Up to 3 fps
Shutter Release Button	Two-step
Self Timer	2 s or 12 s with mirror up
Mirror Up	Provided
<b>Motion</b>	
Motion	Cine 4K and Full HD with full sensor width (large-format video)
Resolution	Full HD: 1920 x 1080 p, Cine 4K: 4096 x 2160 p
Frame Rate	Full HD: 24, 25, 30 fps, Cine 4K: 24 fps
File Format	MOV (Motion JPEG)
Color Sampling	4:2:2, 8 Bit
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 Full-HD (1080 p) 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 marking (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/ 1000 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, DNG+JPEG
File Size	DNG: approx. 70 MB (depending on image content and ISO), JPEG: approx. 2-30MB (depending on resolution, image content and ISO)
Frame Rate	Up to 3.0 fps
Buffer	2GB storage, DNG lossless compressed up to 6 images, JPEG no limit (depending on memory medium, exposure time and ISO)
Storage	CF cards (max. UDMA 7), SD-/SDHC-/SDXC- < 512 GB memory cards UHS-I (recommended), UHS-II, 4K video recordings can only be stored on SD cards (UHS-I)
<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	802.11n standard, integrated in camera, camera and picture control via smartphone or tablet 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	via Audio-Adapter S (Audio-in, Audio-out)
X-synchronization	Lemo® Flash-Sync
Cable Release	Lemo® Cable Release
Contact strip bottom plate	For Multifunction Handgrip S
<b>Power Supply</b>	
Battery	Leica Battery S BP-PRO1, Lithium-ion battery (7.3 V, 2300 mAh)
AC-Adapter	Leica AC-Adapter S for Leica S (from Typ 007) (available as accessory)
Charger	Leica Quick Charger S. Inputs: 100-240 V AC, 50/60Hz, 12/24 V DC Output: 7.4 V DC, 1250 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. 1260 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), Leica Camera Strap S, Leica Eyepiece Cap S, Leica Camera Cap S, Lemo® USB 3.0 cable S, Lemo® Flashsync cable S
<b>Supported Accessories (optional)</b>	
Flash	Leica SF60, Leica SF40, Leica SF C1
Others	Leica Multifunction Handgrip S, Leica Hand Strap S, Professional Charger S, 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, Leica Audio-Adapter S

Subject to changes in design, production and availability.