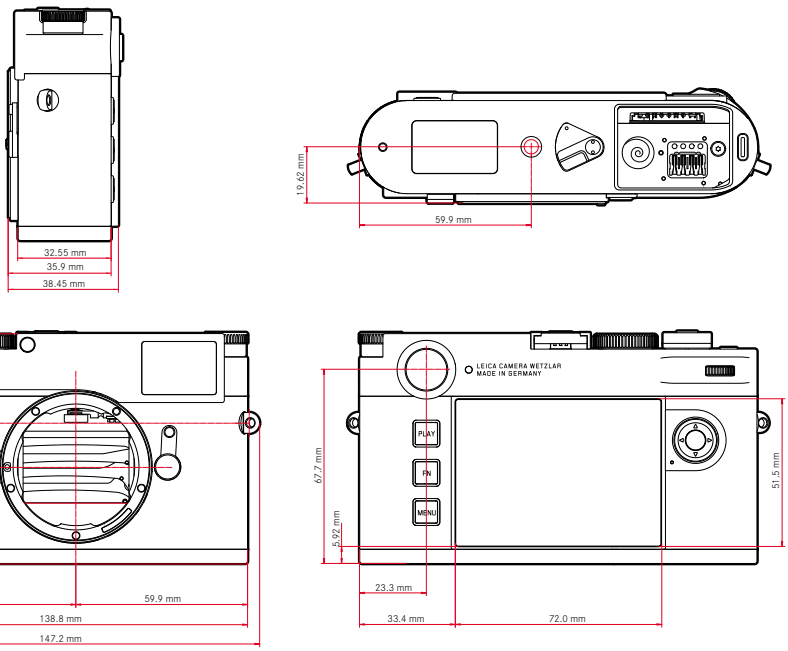
LEICA **M11-P**

Technical Data.

Designation	**Leica M11-P**
Camera type	Digital system camera with rangefinder
Type No.	2416
Order No.	Black: 20 211 (EU/US/CN), 20 212 (JP), 20 213 (ROW) Silver: 20 214 (EU/US/CN), 20 215 (JP), 20 216 (ROW) Safari: 20 235 (EU/US/CN), 20 236 (JP), 20 237 (ROW)
Buffer memory	3 GB DNG™: 15 shots JPG: > 100 shots
Storage medium	UHS-II (recommended), UHS-I, SD/SDHC/SDXC memory card (SDXC cards up to 2 TB), internal memory: 256 GB
Material	Black: full-metal housing made of magnesium and aluminum, leatherette cover Safari/Silver: full-metal housing made of magnesium and brass, leatherette cover
Lens mount	Leica M bayonet with additional sensor for 6-bit encoding
Operating conditions	0°C to +40°C
Interfaces	ISO accessory shoe with additional control contacts for Leica flash units and Leica Visoflex 2 viewfinder (optional accessory), USB 3.1 Gen1 Type-C
Tripod thread	A 1/4 DIN 4503 (1/4") with stainless steel in the base
Dimensions	
Weight	Black: approx. 530 g/455 g (with/without battery) Silver: approx. 640 g/565 g (with/without battery)

Leica Camera AG I Am Leitz-Park 5 I 35578 WETZLAR I GERMANY I Phone +49(0)6441-2080-0 I Fax +49(0)6441-2080-333 I www.leica-camera.com

LEICA **M11-P**

Sensor	
Sensor size	BSI CMOS sensor, pixel pitch: 3.76 µm, 35 mm: 9528 x 6328 pixels (60.3 MP)
Processor	Leica Maestro series (Maestro III)
Filter	RGB color filter, UV/IR filter, no low-pass filter
File formats	DNG™ (raw data, loss-free compression), DNG + JPG, JPG (DCF, Exif 2.30)
Image resolution	DNG™ L-DNG 60.3 MP 9528 x 6328 pixels M-DNG 36.5 MP 7416 x 4928 pixels S-DNG 18.4 MP 5272 x 3498 pixels JPG L-JPG 60.1 MP 9504 x 6320 pixels M-JPG 36.2 MP 7392 x 4896 pixels S-JPG 18.2 MP 5248 x 3472 pixels The entire sensor surface will always be used irrespective of format and resolution. Digital Zoom 1.3x and 1.8x available (always based on L-DNG or L-JPG)
File size	DNG™ L-DNG approx. 70–120 MB M-DNG approx. 40–70 MB S-DNG approx. 20–40 MB JPG L-JPG approx. 15–30 MB M-JPG approx. 9–18 MB S-JPG approx. 5–9 MB JPG: depending on resolution and image content
Color depth	DNG™: 14 bit, JPG: 8 bit
Color space	sRGB
Viewfinder/LCD panel	
Viewfinder	Large, bright-line rangefinder with automatic parallax compensation, suitable for -0.5 dpt; optional corrective lenses available: -3 to +3 dpt
Display	Four-digit digital display with items show on the top and bottom, Image field limiter: two lit frames: 35 mm + 135 mm, 28 mm + 90 mm, 50 mm + 75 mm (automatic switchover when lens is attached)
Parallax compensation	The horizontal and vertical difference between viewfinder and lens is compensated automatically in line with the relevant focus setting. Congruence of viewfinder and actual image. The size of the bright-line frame matches the distance: – at 2 m: the exact sensor size of approx. 23.9 x 35.8 mm – at infinity: (depending on focal length) approx. 7.3% (28 mm) to 18% (135 mm) – less than 2 m: less than sensor size
Viewfinder magnification	0.73x (all lenses)
Large-base rangefinder	Split or superimposed image rangefinder shown as a bright field at the center of the viewfinder image
LCD panel	2.95" (Active Matrix TFT), sapphire glass, 2 332 800 dots, format 3:2, Touch control available
Shutter	
Shutter type	Electronically controlled focal plane shutter and electronic shutter function
Shutter speeds	Mech. shutter: 60 min to 1/4000 s Electro. shutter function: 60 s to 1/16000 s Flash Synch: up to 1/180 s Optional noise reduction via additional "black picture" (can be disabled)
Shutter button	Two-stage (Step 1: activation of the camera electronics including exposure metering and exposure lock, Step 2: release)
Self-timer	Delay time: 2 s or 12 s

Leica Camera AG I Am Leitz-Park 5 I 35578 WETZLAR I GERMANY I Phone +49(0)6441-2080-0 I Fax +49(0)6441-2080-333 I www.leica-camera.com

LEICA **M11-P**

Drive Mode	Single Continuous – Low Speed (3 fps) Continuous – High Speed (4.5 fps) Interval shooting Exposure Bracketing
Focusing	
Focus range	70 cm to ∞
Focus mode	Manual (focus assist functions Magnification and Focus Peaking available)
Exposure	
Exposure metering	TTL (exposure metering through the lens), with working aperture
Metering principle	Exposure metering is done by the image sensor for all exposure metering methods (in Live View mode and in rangefinder mode)
Exposure metering methods	Spot, Center-Weighted, Multi-Field, Highlight-Weighted
Exposure modes	Aperture-priority mode (A): automatic shutter speed control with manual aperture preselection Manual (M): manual setting for shutter speed and aperture
Exposure compensation	±3 EV in 1/3 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 ±3 EV
ISO sensitivity range	Auto ISO: ISO 64 (native) to ISO 50 000, also available in flash mode Manual: ISO 64 to ISO 50 000
White balance	Automatic (Auto), Default (Daylight - 5200 K, Cloudy - 6100 K, Shadow - 6600 K, Tungsten - 2950 K, HMI - 5700 K, Fluorescent (warm) - 3650 K, Fluorescent (cool) - 5800 K, Flash - 6600 K), manual metering (Gray card), manual color temperature setting (Color Temperature, 2000 K to 11,500 K)
Flash	
Flash unit connector	Via the accessory shoe
Metering principle	Flash exposure metering is done by the image sensor for all exposure metering methods (in Live View mode and in rangefinder mode)
Flash sync time	↩ : 1/180 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 SF C1
Flash exposure compensation	SF 40: ±2 EV in 1/2 EV increments SF 60: ±2 EV in 1/3 EV increments Other: ±3 EV in 1/3 EV increments
Displays in flash mode (in the viewfinder only)	Flash icon: connection of an external flash unit

Leica Camera AG I Am Leitz-Park 5 I 35578 WETZLAR I GERMANY I Phone +49(0)6441-2080-0 I Fax +49(0)6441-2080-333 I www.leica-camera.com

LEICA **M11-P**

Equipment

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* dual band IEEE802.11 a/b/g/n/ac Wave2 WLAN (standard WLAN protocol), encryption method: WLAN-kompatible WPA™/WPA2™, access method: infrastructure mode

	Regional variant		
	EU/US/CN	JP	ROW
Wi-Fi 5 GHz*	11a/n/ac: Channel 149–165 (5745–5825 MHz)	11a/n/ac: Channel 36–48 (5180–5240 MHz)	-
Wi-Fi 2.4 GHz	11b/g/n: Channel 1–11 (2412–2462 MHz)		

Bluetooth	Bluetooth v4.2 BR/EDR/LE, BR/DR-channel 1-79, LE-channel 0-39 (2402–2480 MHz)
GPS	Geotagging via Leica FOTOS app using Bluetooth
Menu languages	English, German, French, Italian, Spanish, Portuguese, Russian, Japanese, Traditional Chinese, Simplified Chinese, Korean

Power supply

Rechargeable battery (Leica BP-SCL7)	Li-Ion (Lithium-Polymer) rechargeable battery, rated voltage: 7.4 V / capacity: 1800 mAh, Charging voltage/current: DC 1000 mAh, 7.4 V, operating conditions: +10°C to +35°C (charging) / +0°C to +40°C (discharged), manufacturer: Fuji Electronics (Shenzhen) Co., Ltd. made in China Approx. 700 shots (in accordance with CIPA Standard in rangefinder mode), up to approx. 1700 shots (Leica adapted shooting cycle)
Charger (Leica BC-SCL7)	Input: USB-C DC 5 V, 2 A, output: DC 8.4 V, 1 A, operating conditions: +10°C to +35°C, manufacturer: Dee Van Enterprises Co., Ltd., made in China
Switching adapter (Leica ACA-SCL7)	Input: AC 110 V - 240 V ~ 50/60 Hz, 0.3 A, output: DC 5 V, 2 A, operating conditions: +10°C to +35°C, manufacturer: Dee Van Enterprises Co., Ltd., made in China
USB power supply	When in standby mode or Off: USB charging function When On: USB power supply and intermittent charging

Leica Camera AG I Am Leitz-Park 5 I 35578 WETZLAR I GERMANY I Phone +49(0)6441-2080-0 I Fax +49(0)6441-2080-333 I www.leica-camera.com