

Clifton Cameras Product Specification

Leica M11-P Body

Specifications

Camera type:	Digital system camera with rangefinder
Colours:	Black Silver
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
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 (LxWxH):	147.2 mm x 38.45 mm x 80.3 mm
Weight:	Black: approx. 530 g/455 g (with/without battery) Silver: approx. 640 g/565 g (with/without battery)
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

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 (viewfinder only): Flash icon: connection of an external flash unit

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: Wi-Fi (5 GHz*): EU/US/CN: 11a/n/ac: Channel 149–165 (5745–5825 MHz); JP: 11a/n/ac: Channel 36–48 (5180–5240 MHz); ROW: -

Wi-Fi (2.4 GHz): EU/US/CN: 11b/g/n: Channel 1–11 (2412–2462 MHz)
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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