



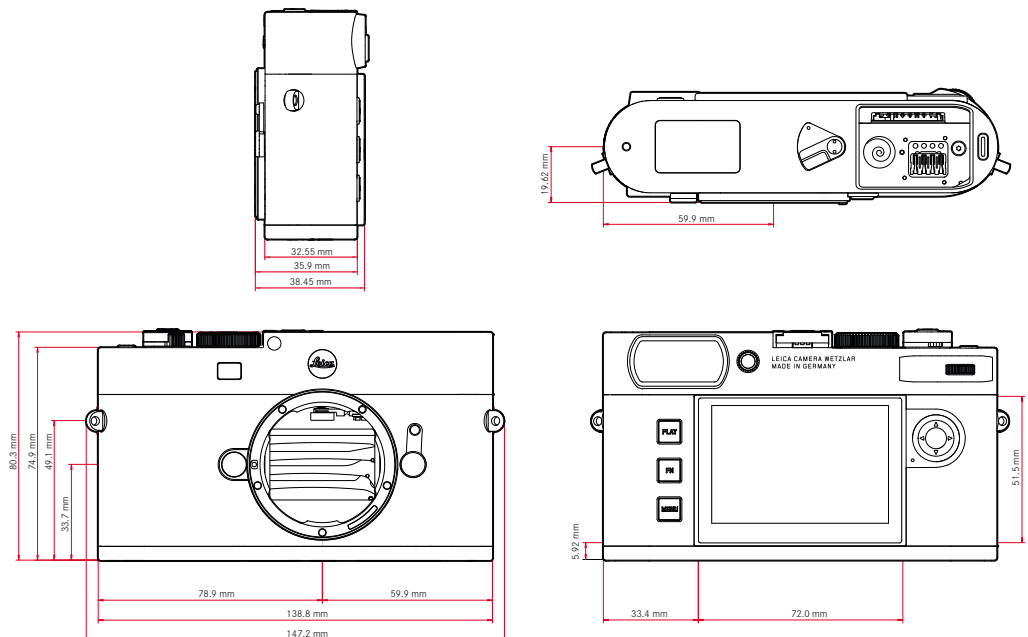
LEICA M EV1

Technical Data.



Designation	Leica M EV1
Camera type	Full-frame system camera
Type No.	4246
Order No.	20 229 (EU/US/CN), 20 233 (JP), 20 234 (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 2TB), internal memory: 64 GB
Material	Full-metal housing made of magnesium and aluminum, 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 USB 3.1 Gen1 Type C
Tripod thread	A 1/4 DIN 4503 (1/4") with stainless steel in the base

Dimensions



Weight	approx. 495 g/413 g (with/without battery)
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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 (EVF)	Resolution: 5,760,000 dots, 60 fps, magnification: 0.76x, frame coverage: 100%, exit pupil position: 20.75 mm, setting range -4/+2 dpt, with eye sensor for automatic switchover between viewfinder and LCD panel
LCD panel	2.95" (Active Matrix TFT), Gorilla 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 "dark frame" (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 mode	Manual (focus assist functions Magnification and Focus Peaking available)
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Exposure

Exposure metering	TTL (exposure metering through the lens), with working aperture
Metering principle	Exposure metering occurs via the image sensor for all exposure metering methods
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 occurs via the image sensor for all exposure metering methods
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	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-compatible 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, 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: Fujii Electronics (Shenzhen) Co., Ltd. made in China Approx. 244 shots (based on CIPA standard with LV via LCD panel), approx. 237 shots (based on CIPA standard with LV via viewfinder (EVF))
Charger (Leica BC-SCL7) (optional)	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) (optional)	Input: AC 100 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
