



Technical Data

LEICA M

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

Product

Unique Product

Name:

LEICA M (Typ 240), black paint

LEICA M (Typ 240), silver chrome

Camera type:

Compact digital view- and rangefinder system still and video camera

Lens mount:

Leica M bayonet with additional sensor for 6-bit coding

Lens system:

Leica M lenses, Leica R lenses with optional Leica R-Adapter M

Top Cover:

Milled brass top cover with integrated thumb rest

Material:

All-metal case made of die-cast magnesium; synthetic leather covering.

Cap and base plate made of brass

Image Sensor:

LEICA MAX 24 MP CMOS Sensor

Number of effective Pixels:

24 Million Pixels

Sensitivity range:

ISO 200 – ISO 6400, Pull 100 available, Auto ISO

Imaging Platform:

Integrated imaging circuit with Leica Maestro® Image processor

Electronic Viewfinder:

Optional available, can be used for Live View and Play functionality

LCD Monitor:

3" TFT Display with 920.000 Pixels, scratch resistant cover glass (Corning®Gorilla®Glass)

Shutter:

Dual type focal plane shutter for classic image exposure and Live view

Shutter Speed:

1/4000s – 60s (in Bulb), 1/180s flash synchronization

Burst rate:

3fps

Self timer:

2s / 12s

Storage Media:

SD / SDHC / SDXC Memory Cards

Imaging functions

Image File Format:

DNG™ (RAW data uncompressed or lossless compressed), JPEG

File Size:

DNG approx. 20 Mbyte – approx. 30 Mbyte (compressed)/ 48,2 MByte (uncompressed), JPEG: Resolution and image content dependent

Available JPG

Resolutions:

5952px*3976px (24 MP), 4256px*2832px (12 MP)/ 2976px*1984px (6MP) / 1600px*1080px (1,7MP)

Color Spaces:

sRGB / Adobe®RGB

White Balance:

Auto / Daylight / Cloudy / Shadow / Tungsten / Fluorescent warm /Fluorescent cool / Flash / Manual (Greycard) / Kelvin 2000-13100



Other functions:	Film Modes, Saturation, Contrast, Sharpening
Movie recording	
Movie Recording:	Single frame video compression (Motion JPG), Quicktime format (mov)
Movie resolution:	1080p, 720p, 640*480 (VGA)
Movie sampling rate:	25 fps, 24 fps, 30 fps (VGA only)
Microphone:	Mono, stereo microphone adapter optional available
Audio recording:	Auto level adjustment, manual level adjustment (available while recording), concert preset
Exposure Control	
Exposure Metering:	In classic viewfinder mode: Through the Lens (TTL) metering, center weighted with variable aperture. In Live View and advanced viewfinder mode: Through the Lens (TTL) metering, center weighted, spot or multifield measuring. Center-weighted TTL metering for flash exposure with system conformant SCA-3000/2 standard flash units.
Exposure setting:	Manual shutter speed setting with direct dial, A-Mode with direct dial
Exposure Modes:	Automatic shutter speed (A-Mode), Manual Exposure (M-Mode)
Exposure:	
Compensation:	-3 EV to +3 EV, 1/3 f-stops
Exposure Bracketing:	3/5 frames, 0.5 / 1 / 2 / 3 f-stops
Flash exposure Control	
Flash exposure metering:	Control with center-weighted TTL pre-flash metering (with SCA-3501/3502 adapter, or SCA-3000 standard flash unit such as Leica SF 24D/Leica SF 58).
Hot shoe:	SCA-3502 compatible hot shoe, with center contact
Flash Synchronization:	Optional triggered at first or second shutter curtain
Flash Synch time:	1/180s
Viewfinder / Focusing	
Focusing Methods:	Manual focus with optical rangefinder, Live View, 100% Live View Zoom, Live View focus peaking
Optical Viewfinder:	Large, light bright-line rangefinder with automatic parallax compensation, LED illuminated frame lines.
Optical Viewfinder frame lines:	Framelines size matches image sensor size at 2m focusing distance
Optical Viewfinder correction:	Eyepiece adjusted to -0,5 dpt. Corrective lenses from -3 to +3 dpt. available (optional)
Optical Viewfinder Magnification:	0,68x



Optical Viewfinder

Displays:

In the viewfinder LED symbol for flash status (at bottom).
Four-digit seven-segment LED digital display, brightness adapted to ambient conditions, for: Warning in case of exposure correction; display of automatic shutter speed in automatic mode; advisory indicating use of metering memory lock LED exposure monitor with two triangular and one central circular LED with manual exposure setting

Rangefinder:

Split or superimposed image range finder shown as a bright field in the center of the viewfinder image

Rangefinder effective metering

Basis:

47.1 mm (mechanical metering basis 69.25 mm x viewfinder magnification 0.68 times)

Others

Start up time:

<1s

Power Supply:

Li-ion battery (included), 7.4V, 1800 mAh

Horizon:

Yes

User Profiles:

4 Profiles, exportable

Sensor cleaning:

Dust detection, manual cleaning function

Tripod Thread:

A 1/4 (1/4") DIN made of stainless steel in base plate

Dimensions:

approx. 139 x 42 x 80 mm
(5,5 x 1,7 x 3,1 in.)

Weight:

680 g (23.9 oz)

Operating Temperature:

0°C – 40°C

Menu languages

English, German, French, Italian, Spanish, Russian, Japanese, Traditional Chinese, Simplified Chinese

Accessories Included

Battery, Charger with power cables for EU and USA (different in some export markets), 12V charging cable, Carrying strap, Accessory port cover, Body cap

Software licenses

Supplied:

Adobe® Lightroom®

New optional accessories:

Electronic Viewfinder (EVF-2), Multi-functional Handgrip M, Handgrip M, SCA Adapter Set for Multi-functional Handgrip M, Power Adapter for Multi-functional Handgrip M, Finger loop for Multi-functional Handgrip M, Size S / M / L, Leica Microphone Adapter Set, Leica M-Adapter R, Ever-Ready Case M, Li-ion Battery BP-SCL2, Battery charger BC-SCL2