



LEICA M-E (TYP 220)

Technical data.



Product

Unique Product

Name: Leica M-E (Typ 220), anthracite grey paint

Camera type: Compact digital view and rangefinder system still camera

Lens mount: Leica M bayonet with additional sensor for 6-bit coding

Lens system: Leica M lenses

Top Cover: Milled brass top cover with classic Leica M design

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

Cap and base plate made of brass

Image Sensor: KAF -18500 18 MP CCD Sensor

Number of effective Pixels: 18 Million Pixels

Sensitivity range: ISO 160 – ISO 2500, Pull 80 available, Auto ISO

Imaging Platform: DSP based computing platform with Leica imaging algorithms

LCD Monitor: 2,5" TFT Display with 230.000 Pixels

Shutter: Closed type focal plane shutter for classic image exposure, with external cocking mechanics

Shutter Speed: 1/4000s – 240s (in Bulb), 1/180s flash synchronization

Burst rate: approx. 2 fps

Self timer: Off / 2s / 12s

Storage Media: SD / SDHC Memory Cards

Imaging functions

Image File Format: DNG™ (RAW data uncompressed or nonlinear compressed), JPEG

File Size: DNG: 18 MB (compressed)/36 MB (uncompressed),
JPEG: Resolution and image content dependent

Available JPG

Resolutions: 5212 x 3472 (18 MP), 3840 x 2592 (10 MP), 2592 x 1728 (4.5 MP), 1728 x 1152 (2 MP), 1280 x 846 pixels (1 MP)

Color Spaces: sRGB / Adobe®RGB

White Balance: Auto / Daylight / Cloudy / Shade / Tungsten /
Fluorescent 1 / Fluorescent 2 / Flash / Manual / Kelvin
2000-12800

Other functions: Saturation, Contrast, Sharpening

Exposure Control

Exposure Metering: Through the Lens (TTL) metering, centerweighted with variable aperture
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: 3/5/7 frames, 0.5 / 1 / 1.5 / 2 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

Optical Viewfinder: Large, light bright-line rangefinder with automatic parallax compensation, optical illumination

Optical Viewfinder frame lines: Framelines size matches image sensor size at 1m 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), 3.7V, 1860 mAh

User Profiles:	4 Profiles
Sensor cleaning:	Manual cleaning function
Tripod Thread:	A 1/4 (1/4") DIN made of stainless steel in base plate
Dimensions:	(W x D x H) approx. 139 x 37 x 80 mm (5,5 x 1,7 x 3,1 in.)
Weight:	585 g (20.6 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, Body cap
Optional accessories:	All accessories that are made for the Leica M9 / M9-P