



Press information

LEICA M-D – the new digital Leica rangefinder without a monitor screen

Wetzlar, 28 April 2016. With the Leica M-D (Typ 262), Leica Camera AG adds a further model to the Leica rangefinder system. Together with the Leica M and M-P (Typ 240), the Leica M (Typ 262) and the Leica M Monochrom (Typ 246), this increases the number of digital M-Generation cameras to five.

The Leica M-D is the first serial production model of the digital M family to be made without a monitor screen. The usual location of the screen on the back of the camera is now taken by the ISO sensitivity setting dial – one of the few, but essential, features of the camera. Although the Leica M-D embodies the entire range of technical advantages perfected over decades in the Leica rangefinder system, it intentionally omits all but the most essential technical features. Radically reduced to the most important parameters required for photography – shutter speed, aperture, distance and ISO sensitivity – it promotes its users' concentration on what is essential: the picture.

To a large extent, the technical features of the Leica M-D are based on those of the Leica M (Typ 262). Just like all other digital M-Cameras, the Leica M-D (Typ 262) features a high-resolution CMOS full-frame sensor, albeit one that is dedicated exclusively to rangefinder photography, and supports neither video recording nor Live View. Its 24-megapixel resolution ensures exceptional imaging quality and extreme sensitivity to light. At the same time, the camera's Maestro processor guarantees fast processing of captured image data. Exposures are saved exclusively as RAW data in DNG format. This enables photographers to apply all typical adjustments for digital photographs that may be desired in post-processing software.

The tight focus on 'Das Wesentliche' is immediately recognisable in the design of the camera. The Leica M-D expresses purely functional, formal clarity and features design

characteristics such as a top plate in brass with a step at the end citing the design of the Leica M9. The Leica red dot logo has been omitted from the front of the camera in favour of its unobtrusive appearance.

In addition to its purist looks, the hardly audible shutter of the Leica M-D also guarantees maximum inconspicuousness when shooting. An invaluable advantage in photographic situations where discretion is essential. As an aid to this, the camera features a shutter cocking system that is particularly quiet in single exposure and enables a shutter release frequency of up to two frames per second. In continuous mode, the M-D has the same sequential shooting speed as its sister model and shoots up to three frames per second.

The Leica M-D is now on sale. The camera package also includes a real-leather carrying strap in full-grain cowhide.

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Technical Data

LEICA M-D (Typ 262)

Camera type:	Leica M-D (Typ 262), compact digital view and range finder system camera
Lens attachment:	Leica M bayonet with additional sensor for 6-bit coding
Lens system:	Leica M lenses from 16 – 135mm
Picture format/image sensor:	CMOS type, active area approx. 23.9 x 35.8mm (corresponds to usable format of analog Leica M models)
Resolution:	5976 x 3992 pixels (24MP)
Data format:	DNG™ (raw data), compressed loss-free, JPEG
File size:	depends on subject
Buffer memory:	1GB
Storage medium:	SD cards up to 2GB/SDHC cards up to 32GB/SDXC cards
Exposure metering:	Ambient light: Through the lens (TTL), with working aperture, flash light: TTL metering with system-compatible, SCA-3000/2-standard flash units
Metering principle/method:	Metering the light reflected by light blades of the 1st shutter curtain onto a measuring cell: heavily center-weighted
Metering range:	At room temperature, normal humidity and ISO 200, at aperture 1.0 EV0 to EV20 at aperture 32. Flashing of the left triangular LED in the viewfinder indicates values below the metering range
Sensitivity range:	ISO 200 to ISO 6400, can be set manually in $\frac{1}{3}$ ISO steps
Exposure mode:	Choice of automatic shutter speed control with manual aperture preselection - aperture priority A, or manual shutter speed and aperture setting
Flash exposure control	
Flash unit attachment:	Via accessory shoe with central and control contacts
Synchronization:	To the 1st shutter curtain
Flash sync time:	= $\frac{1}{180}$ S; slower shutter speeds can be used if sync time is not met: automatic switching to TTL linear flash mode with HSS-compatible Leica system flash units
Flash exposure metering:	With system-compatible flash units, control with center-weighted TTL pre-flash metering
Flash exposure compensation:	Flash units with the appropriate specifications: in all modes ± 3 EV in $\frac{1}{3}$ EV steps
Displays in flash mode:	Readiness: by means of constant lighting of the flash symbol LED in the viewfinder, success control: by further lighting or temporary fast flashing of the LED after the picture has been taken, underexposure display: by the LED going out temporarily
Viewfinder	
Viewfinder principle:	Large, bright line frame viewfinder with automatic parallax compensation
Eyepiece:	Calibrated to -0.5 dpt.; corrective lenses from -3 to +3 diopter available

Image field limiter:	By activating two bright lines each: For 35 and 135mm, or for 28 and 90mm, or for 50 and 75mm; automatic switching when lens is attached; frame color: white
Parallax compensation:	The horizontal and vertical difference between the viewfinder and lens is automatically balanced by moving the bright-line frame in line with the relevant distance setting
Matching viewfinder and actual image:	At a range setting of 2m, the bright-line frame size corresponds exactly to the sensor size of approx. 23.9 x 35.8mm; at infinity setting, depending on the focal length, approx. 7.3% (28mm) to 18% (135mm) more is recorded by the sensor than indicated by the corresponding bright line frame and slightly less for shorter distance settings than 2m
Magnification:	(For all lenses) 0.68 x
Large-base range finder:	Split or superimposed image range finder shown as a bright field in the center of the viewfinder image
Effective metering basis:	47.1mm (mechanical measurement basis 69.25mm x viewfinder magnification 0.68x)
Displays:	Four-digit digital display with dots above and below, displays
Shutter and shutter release	
Shutter:	Metal blade focal plane shutter with vertical movement
Shutter speeds:	For aperture priority: (A) continuous from 60s to $\frac{1}{4000}$ s., with manual setting: 8s to $\frac{1}{4000}$ s in half steps, B: For long-time exposures up to max. 60s, ($\frac{1}{180}$ s): Fastest shutter speed for flash synchronization, HSS linear flash mode possible with all shutter speeds faster than $\frac{1}{180}$ s with Leica system flash units with appropriate specifications
Activation of shutter release button:	By integrated motor, low noise operation
Shutter release button:	Two-stage, 1. Activation of exposure metering and exposure lock (in aperture priority mode), 2. Resolution
Turning the camera on/off:	With main switch on the camera top panel, reactivation by touching the shutter release button
Power supply:	1 lithium ion rechargeable battery, nominal voltage 7.4V, capacity 1800mAh.; capacity indicated in the viewfinder, operating conditions (in camera): 0°-40°C; Model No.: BP-SCL2; Manufacturer: PT. VARTA Microbattery, Made in Indonesia
Charger:	Inputs: 100-240V AC, 50/60Hz, 300mA, automatic switching, or 12V DC, 1.3A; Output: Direct current nominal 7.4V, 1000mA/max. 8.25V, 1100mA; operating conditions (charging): 10°-30°C; Model No.: BC-SCL2; Manufacturer: Guangdong PISEN Electronics Co., Ltd., Made in China

Camera body

Material:	All-metal magnesium/aluminum body, leather covering, brass top panel and base, black lacquered finish.
Tripod thread:	A ¼ (¼") DIN stainless steel in bottom
Operating conditions:	0°-40°C
Interfaces:	ISO accessory shoe
Dimensions (Width x Depth x Height):	Approx. 138.6 x 42 x 80mm
Weight:	Approx. 680g (with battery)
Package contents:	Charger 100-240V with 2 mains cables (Euro, USA, different for some export markets), lithium-ion rechargeable battery, carrying strap, housing bayonet cover, cover for accessory shoe.