



Press Release

The new Leica M10-R:

Leica Camera presents the 40-megapixel variant of its legendary rangefinder camera.

Wetzlar, July 16, 2020. With the new Leica M10-R, Leica Camera AG introduces a high-resolution variant of the company's legendary rangefinder camera. The M10-R's newly developed sensor offers a resolution of over 40 megapixels, which represents a considerable increase compared to the M10. As a result, the M10-R delivers a significantly enhanced rendition of details. The new sensor of the M10-R opens up a host of possibilities that are unprecedented within M photography. Along with the clear visibility of even the finest details, the sensor provides extensive performance reserves for cropping and larger formats. In addition, the contrast-rich rendition of subtle structures leads to an even lower risk of moiré patterns. The M10-R is therefore well suited for landscape and architectural photography.

Despite its high resolution, the M10-R offers significantly reduced image noise as well as a wider dynamic range. The M10-R completes the Leica M10 family, which also includes the M10, M10-P, M10-D and M10 Monochrom.

The M10-R's base sensitivity of ISO 100 and goes up to ISO 50000. The maximum exposure time has been increased to 16 minutes, enabling extraordinary night-time shots with the use of a tripod. The Leica M10-R is equipped with the same shutter as the Leica M10-P. It is not only exceptionally quiet (allowing for an unobtrusive way of working), but also operates with minimal vibration. This reduces the risk of camera shake.

As with all of Leica's rangefinder cameras, the construction of the M10-R involves a large proportion of manual assembly by highly trained specialists, carried out at the company's production plant in Wetzlar. This ensures that the large number of mechanical components – such as the complex rangefinder – not only perform with the utmost precision, but are also

particularly robust. A Leica M is synonymous with the utmost reliability and durability, making it a viable long-term investment.

The Leica M10-R is best able to reach its full potential when paired with Leica M lenses. Equally, the camera has the capacity to fully utilize the outstanding imaging performance that distinguishes this legendary lens range. Particularly in combination with the newest generation, such as the APO-Summicron-M 50 f/2 ASPH., the M10-R delivers photographs of a truly exceptional quality. At the same time, the camera emphasizes the distinctive characteristics of older M lenses cherished by photography enthusiasts all over the world.

The Leica M10-R will be delivered worldwide as of July 20, 2020.

About Leica Camera

Leica Camera AG is an internationally operating, premium-segment manufacturer of cameras and sport optics products. The legendary reputation of the Leica brand is founded on a long tradition of excellent quality, German craftsmanship and industrial design, combined with a long-standing dedication to innovative technologies. Leica Camera AG is headquartered in Wetzlar, Germany, and has a second production site in Vila Nova de Famalicão, Portugal. The company operates a worldwide network of regional organizations, Leica Stores, Leica Galleries and Leica Academies.

TECHNICAL DATA

Camera type: Leica M10-R, 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, Leica R lenses can be used with an adapter (available as an accessory)

Shot format/picture sensor: CMOS chip, active surface approx. 24 x 36mm

Resolution: DNG™: 7864 x 5200 pixels (40,89MP), JPEG: 7840 x 5184 Pixel (40,64MP), 5472 x 3648 Pixel (20 MP), 2976 x 1984 Pixel (6MP)

Data formats: DNG™ (raw data, 14 bit, compressed loss-free), JPEG (8 bit)

File size: DNG™: 40-60 MB, JPEG: Depending on resolution and picture content

Buffer memory: 2GB / 10 pictures in series

White balance: Automatic, manual, 8 presets, color temperature input

Storage medium: SD cards up to 2GB/SDHC cards up to 32GB/SDXC cards up to 2TB

Menu languages: German, English, French, Spanish, Italian, Portuguese, Japanese, Traditional Chinese, Simplified Chinese, Russian, Korean

Exposure metering: Exposure metering through the lens (TTL), with working aperture;

Metering principle/method: For metering the light reflected by light blades of the 1st shutter curtain onto a measuring cell: Strong center-weighted; for metering on the sensor: Spot, center-weighted, multi-field metering

Metering range: At room temperature and normal humidity for ISO 100, at aperture 1.0 EV-1 to EV20 at aperture 32. Flashing of the left triangular LED in the viewfinder indicates values below the metering range

Sensitivity range: ISO 100 to ISO 50000, adjustable in 1/3 ISO increments, choice of automatic control or manual setting

Exposure modes: 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: Optionally triggered at the 1st or 2nd Shutter curtain

Flash sync time: = $1/180$ S; slower shutter speeds can be used, if working below sync speed: Automatic changeover to TTL linear flash mode with HSS-compatible Leica system flash units

Flash exposure metering: Using center-weighted TTL pre-flash metering with Leica flash units (SF40, SF64, SF26), or flash units compatible with the system with SCA3502 M5 adapter

Flash measurement cell: 2 silicon photo diodes with collection lens on the camera base

Flash exposure compensation: ±3EV in 1/3EV increments

Displays in flash mode (in viewfinder only): Using flash symbol LED

Viewfinder:

Construction 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.

Parallax compensation: The horizontal and vertical difference between the viewfinder and the lens is automatically compensated according to the relevant distance setting, i.e. the viewfinder bright-line automatically aligns with the subject detail recorded by the lens.

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): 0.73 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: 50.6mm (mechanical measurement basis 69.31mm x viewfinder magnification 0.73x)

Displays:

In the viewfinder: Four-digit digital display with dots above and below

On back: 3" color -TFT LCD monitor with 16 million colors and 1,036,800 pixels, approx. 100% image field, glass cover of extremely hard, scratch-resistant Gorilla® glass, color space: sRGB, for Live-View and review mode, displays

Shutter and shutter release:

Shutter: Metal blade focal plane shutter with vertical movement

Shutter speeds: For aperture priority: (A) continuous from 125s to 1/4000s.,

for manual adjustment: 8s to 1/4000s in half steps, from 8s to 125s in whole steps, B: For long exposures up to maximum 125s (in conjunction with self-timer T function, i.e. 1st release = shutter opens, 2nd release = shutter closes),

(1/180s): Fastest shutter speed for flash synchronization, HSS linear flash mode possible with all shutter speeds faster than 1/180s (with HSS-compatible Leica system flash units)

Picture series: approx. 5 pictures/s, 30-40 pictures in series

Shutter release button: Two-stage, 1st step: Activation of the camera electronics including exposure metering and exposure lock (in aperture priority mode), 2nd step: Shutter release; standard thread for cable release integrated.

Self-Timer: Delay optionally 2s (aperture priority and manual exposure setting) or 12s, set in menu, indicated by flashing LED on front of camera and corresponding display in monitor.

Turning the camera on/off: Using main switch on top of camera; optional automatic shutdown of camera electronics after approx. 2/5/10 minutes; reactivated by tapping the shutter release

Power supply: 1 lithium ion rechargeable battery, nominal voltage 7.4V, capacity 1300mAh.; maximum charging current/voltage: DC 1000mA, 7.4V; Model No.: BP-SCL5; Manufacturer: PT. VARTA Microbattery, Made in Indonesia, Operating conditions (in camera): 0°C - + 40°C

Charger: Inputs: 100-240V AC, 50/60Hz, 300mA, automatic switching, or 12V DC, 1.3A; Output: DC 7.4V, 1000mA/max. 8.25V, 1100mA; Model No.: BC-SCL5; Manufacturer: Guangdong PISEN Electronics Co., Ltd., Made in China, Operating conditions: 0°C - + 35°C

GPS (only with Leica Visoflex viewfinder attached, available as an accessory):

Optional (not available everywhere due to country-specific legislation, i.e. enforced automatic shutdown in those countries), data are written to EXIF header in picture files.

Wifi: Complies with IEEE 802.11b/g/n standard (standard Wifi protocol), channel 1-11, encryption method: Wifi-compatible WPA™/WPA2™ encryption, access method: Infrastructure mode

Camera body:

Material: All-metal die cast magnesium body, synthetic leather covering. Brass top panel and base, black or silver chrome plated finish

Image field selector: Allows the bright-line pairs to be manually activated at any time (e.g. to compare detail)

Tripod thread: A ¼ (¼") DIN stainless steel in bottom

Operating conditions: 0-40°C

Interfaces: ISO accessory shoe with additional contacts for Leica Visoflex viewfinder (available as an accessory)

Dimensions (width x depth x height): approx. 139x38.5x80mm

Weight: approx. 660g (with battery)

Scope of Delivery: Charger 100-240V with 2 mains cables (Euro, USA, varies in some export markets) and 1 car charging cable, lithium ion battery, carrying strap, body bayonet cover, cover for accessory shoe