## LEICA M10

### Technical Data.

<table>
<thead>
<tr>
<th>Camera</th>
<th>Leica M10 (Typ 3656)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Order no.</td>
<td>20 000</td>
</tr>
<tr>
<td>Camera type</td>
<td>compact digital view and range finder system camera</td>
</tr>
<tr>
<td>Lens attachment</td>
<td>Leica M bayonet with additional sensor for 6-bit coding</td>
</tr>
<tr>
<td>Lens system</td>
<td>Leica M lenses, Leica R lenses with an optional adapter (available accessory)</td>
</tr>
<tr>
<td>Sensor</td>
<td>CMOS sensor, active surface area approx. 24 x 36mm</td>
</tr>
<tr>
<td>Resolution</td>
<td>DNG™: 5976 x 3992 pixels (24MP), JPEG: 5952 x 3968 pixels (24MP), 4256 x 2832 pixels (12MP), 2976 x 1984 pixels (6MP)</td>
</tr>
<tr>
<td>Data formats</td>
<td>DNG™ (raw data, compressed loss-free), JPEG</td>
</tr>
<tr>
<td>File size</td>
<td>DNG™: 20-30 MB, JPEG: Depending on resolution and picture content</td>
</tr>
<tr>
<td>Buffer memory</td>
<td>2GB / 16 pictures in series</td>
</tr>
<tr>
<td>White balance</td>
<td>Automatic, manual, 8 presets, colour temperature input</td>
</tr>
<tr>
<td>Storage media</td>
<td>SD cards up to 2GB/SDHC cards up to 32GB/SDXC cards up to 2TB</td>
</tr>
<tr>
<td>Menu languages</td>
<td>German, English, French, Spanish, Italian, Portuguese, Japanese, Traditional Chinese, Simplified Chinese, Russian, Korean</td>
</tr>
<tr>
<td>Exposure metering</td>
<td>Exposure metering through the lens (TTL), with working aperture</td>
</tr>
<tr>
<td>Metering method</td>
<td>Light reflected by the blades of the 1 shutter curtain onto measuring cell.</td>
</tr>
<tr>
<td>Metering range</td>
<td>At room temperature and normal humidity at 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</td>
</tr>
<tr>
<td>Sensitivity range</td>
<td>ISO 100 to ISO 50000, adjustable in 1/3 ISO increments from ISO 200, choice of automatic control or manual setting</td>
</tr>
<tr>
<td>Exposure modes</td>
<td>Choice of automatic shutter speed control with manual aperture preselection - aperture priority A, or manual shutter speed and aperture setting</td>
</tr>
</tbody>
</table>

### Flash exposure control

| Flash unit attachment       | Via accessory shoe with central and control contacts |
| Synchronisation             | Optionally triggered at the 1st or 2nd shutter curtain |
| Flash sync time             | $1/8000$ 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 centre-weighted TTL pre-flash metering with Leica flash units (SF40, SF64, SF26), or flash units compatible with the system with SCA3502 MS 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      | Using flash symbol LED |

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Page 1 of 2 | As at January 2017 | Specifications are subject to change without notice
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**Viewfinder**

**Construction principle**
Large, bright line frame viewfinder with automatic parallax compensation

**Eye piece**
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

**Long-base rangefinder**
Split or superimposed image range finder shown as a bright field in the centre of the viewfinder image

**Effective metering base**
50.6mm (mechanical measurement basis 69.31mm x viewfinder magnification 0.73x)

**Displays**

**In the viewfinder**
Four-digit digital display with exposure alerts above and below

**On back**
3" colour TFT LCD monitor with 16 million colours and 1,036,800 pixels, approx. 100 % image field, glass cover of extremely hard, scratch-resistant Gorilla® glass, colour 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 1/125s to 1/4000s., for manual adjustment: 8s to 1/4000s in half steps, from 8s to 125s in whole steps. 
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-SC15; 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-SC15; 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.

**Wi-Fi**
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. 139 x 38.5 x 80mm

**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

Subject to changes in design, production and availability.