LEICA M MONOCHROM

Technical data.

Product	Leica M Monochrom
Order no.	10 760
Camera type	Compact digital rangefinder system camera with a dedicated black-and-white image sensor.
Lens mount	Leica M bayonet with additional sensor for six-bit coding.
Lens system	Leica M-Lenses from 16 to 135 mm.
Image format/ image sensor	Active area approx. 23.9 × 35.8 mm, 5212 × 3468 pixels (18 megapixels). Infrared blocking filter for wavelengths longer than 700 nm, no low-pass filter.
Resolution	Selectable, DNG™: 5212 × 3468 (18 megapixels), JPEG: 5216 × 3472 (18 megapixels), 3840 × 2592 (10 megapixels), 2592 × 1728 (4.5 megapixels), 1728 × 1152 (2 megapixels), 1280 × 864 (1 megapixel).
Data formats	DNG™ (raw data), uncompressed, JPEG with quality-preserving compression.
File sizes	DNG™: 18 MB (compressed), 36 MB (uncompressed), JPEG: approx. 2–10 MB.
Color space	sRGB hardwired.
Storage media	SD cards up to 2 GB, SDHC cards up to 32 GB.
Menu languages	German, English, French, Spanish, Italian, Japanese, traditional Chinese, simplified Chinese, Russian.
Exposure metering	Through-the-lens (TTL) metering, center-weighted at working aperture. Center-weighted TTL metering for flash with system-compatible SCA-3000/2 standard flash units.
Metering range	At f/1.0/ISO 320/26°: EV 1 to 21. The left triangular LED in the viewfinder blinks when light levels are outside the lower metering range.
Sensitivity range	ISO 320/26° to ISO 10000/41°, selectable in 1/3 ISO increments, in aperture priority automatic mode (A) and manual exposure setting, optional automatic control or manual selection. ISO 160 also available as a pull function.
Exposure modes	Aperture priority (A)/Manual (M).
Flash exposure control	
Flash unit connection	Hot shoe with center and control contacts.
Synchronization	Choice of first or second curtain sync.
Flash sync speed	↯ = 1/180 s, longer shutter speeds may be used.
Flash exposure metering	Control by center-weighted, TTL preflash metering (with SCA-3501/3502 adapters or SCA-3000 standard flash units, e.g. Leica SF 24D/Leica SF 58).
Flash metering cell	Two silicon photodiodes with condenser lens in camera base.
Flash exposure correction	±3 1/3 EV in 1/3 EV increments, adjustable on SCA-3501/3502 adapter. Settings in computer mode for Leica SF 24D, ±3 EV in 1/3 EV increments, or from 0 to –3 EV in 1 EV increments, with Leica SF 58, ±3 EV in 1/3 EV increments may be set in all modes.
Displays when using flash	Flash ready: constant illumination of flash symbol LED in the viewfinder, flash confirmation: constant illumination or temporary rapid flashing of LED after exposure, underexposure indicated by temporary extinguishing of LED.
Viewfinder	
Viewfinder principle	Large, bright, combined bright-line viewfinder with automatic parallax compensation.

Leica Camera AG | Oskar-Barnack-Strasse 11 | 35606 SOLMS | GERMANY | Telephone +49(0)6442-208-0 | Fax +49(0)6442-208-333 | www.leica-camera.com

Parallax compensation	The horizontal and vertical differences between the viewfinder and the lens are automatically compensated for in accordance with the focusing distance set, i.e. the bright-line frame of the viewfinder automatically moves to match the subject field covered by the respective lens.
Image field framing	By projection of two bright-line frames with each lens attached: for 35 and 135 mm, for 28 and 90 mm, or for 50 and 75 mm. Automatically displayed when lens bayonet locks into the lens mount. Any of the pairs of bright-line frames can be displayed by moving the frame selection lever.
Eyepiece	Set to –0.5 diopters. Correction lenses for –3 to +3 diopters available.
Correspondence between the viewfinder and the actual image	At a focusing distance of 1 meter, the size of the bright-line frame corresponds precisely to the sensor size of approx. 23.9 × 35.8 mm. At infinity, and depending on the focal length of the lens in use, more of the sensor is covered than the bright-line frame actually shows; the opposite is the case for focusing distances of less than 1 meter, i. e. somewhat less.
Magnification	0.68 x (for all lenses).
Long base rangefinder	Bright rectangular spot (RF spot) with coincident and superimposed image rangefinder in the center of the viewfinder.
Effective rangefinder base	47.1 mm (mechanical rangefinder base 69.25 mm × viewfinder magnification 0.68 x).
Displays	
Viewfinder	LED symbol for flash status (on lower edge). Four-digit, seven-segment digital LED display, display brightness adapts to ambient light conditions, for: exposure compensation activation warning, display of automatically determined shutter speeds in aperture priority mode, reminder of activated exposure value lock.
	LED light balance with two triangular outer and one round central LED for manual exposure setting.
Camera back	2.5" monitor (color TFT-LCD) with 230,000 pixels.
Shutter/ shutter release	
Shutter	Microprocessor-controlled, extremely low-noise, metal-leaf, vertical focal-plane shutter.
Shutter speeds	In aperture priority mode (A), continuous from 32 s to 1/4000 s. In manual mode, 8 s to 1/4000 s in half increments, B for time exposures up to max. 240 s, ↯ (1/180 s) shortest flash sync speed.
Continuous shooting	Approx. 2 fps, ≤ 8 frames in sequence.
Shutter release	Three steps: activation of metering – store metering values (in aperture priority mode) – shutter release. Standard internal threading for remote release.
Self-timer	2 s (in aperture priority or manual exposure modes) or 12 s delay menu setting option, countdown is indicated by a flashing LED on the front of the camera and a corresponding display on the monitor.
Camera power on/ power off	With main switch located on the top deck, optional sleep mode for camera electronics after 2/5/10 minutes, reactivation by tapping shutter release button.
Power supply	Rechargeable lithium-ion battery, nominal voltage 3.7 V, capacity 1900 mAh. Charge level displayed on monitor screen, when shutter locked in open position (for sensor cleaning), additional acoustic warning signal for insufficient capacity.
Battery charger	Inputs: 100–240 V AC, 50/60 Hz, automatic adaptation, or 12/24 V DC; output: 4.2 V DC, 800 mA.
Camera body	
Material	Full-metal housing in die-cast magnesium alloy with synthetic leather trim. Brass top deck and base plate, black chrome finish. Sapphire glass protective cover for the monitor screen.
Tripod thread	A 1/4 (1/4") DIN, stainless steel, integrated in base plate.
Operating temperature range	0 to +40°C.
Interface	Five-pin, high-speed mini USB 2.0 socket for fast data transfer.
Dimensions (L × H × D)	Approx. 139 × 80 × 37 mm (353 × 203 × 94 in).
Weight (with battery)	600 g (21 oz).
Software licenses provided	Adobe® Photoshop® Lightroom®, Nik Silver Efex Pro™, as download versions (high-speed Internet connection required).
Compatibility	Windows® 7 SP1, Windows® Vista® SP2, Windows® XP SP2, Mac® OS X 10.6.8 (Snow Leopard) or later.
Package includes	100–240 V battery charger with two power cords (EU, USA, may differ in some export markets) and a car charging cable, rechargeable lithium-ion battery, USB cable, real leather carrying strap, original Leica Monochrom print of an image from the campaign, instruction manual, information leaflets on registration and software downloads.

We reserve the right to make changes in the construction, features, and ranges without advance notice.

Leica Camera AG | Oskar-Barnack-Strasse 11 | 35606 SOLMS | GERMANY | Telephone +49(0)6442-208-0 | Fax +49(0)6442-208-333 | www.leica-camera.com