



LEICA Q2 Monochrom

Technical data.



Product	Leica Q2 Monochrom
Order no.	19 055 (EU/US/JP), 19 056 (ROW)
Camera type	Digital 35 mm compact camera, fixed focallength
Picture format/ aspect ratio	24 x 36 mm 2:3
Lens	Leica Summilux 28 f/1.7 ASPH., 11 elements in 9 groups, 3 aspherical elements
Digital frame selector (digital zoom)	28 mm, 35 mm, 50 mm, 75 mm
Imagestabilization	Optical compensation system for photo and video recordings
Aperture range	1.7 to 16 in 1/3 EV increments
Picture sensor/ resolution	Full frame black-and-white CMOS sensor, 50.4/47.3 million pixels (total/effective), without color and low-pass filter
Dynamic range	13 aperture stops for basic ISO 200
Bit depth	14 bit
Photo capture format	Selectable: DNG, DNG + JPEG, JPEG
DNG/JPEG resolution	JPEG: Zoom 28 mm: 47 megapixels (8368x5584 pixels), 24 megapixels (6000x4000 pixels), 12 megapixels (4271x2848 pixels) Zoom 35 mm: 30 megapixels (6704x4472 pixels), 15 megapixels (4800x3200 pixels), 8 megapixels (3424x2288 pixels) Zoom 50 mm: 15 megapixels (4688x3128 pixels), 8 megapixels (3360x2240 pixels), 4 megapixels (2400x1600 pixels) Zoom 75 mm: 7 megapixels (3136x2096 pixels), 3 megapixels (2240x1496 pixels), 2 megapixels (1600x1072 pixels) DNG: 46,7 megapixels (8368x5584 pixels)
Video recording format	MP4 (C4K / 4K / FullHD) MP4: H.264/MPEG-4 AVC (Audio Format: 2ch 48 kHz/16-Bit,AAC)
Video resolution/ frame rate	4K: 30 oder 24 B/s C4K: 24 B/s Full-HD: 24, 30, 60 oder 120 B/s
Sound recording format	AAC
Microphone	Stereo
Speaker	Mono
Storage media	SD/SDHC/SDXC memory cards. Recommendation: UHS II memory cards
ISO range	Automatic, ISO 100, ISO 200, ISO 400, ISO 800, ISO 1600, ISO 3200, ISO 6400, ISO 12500, ISO 25000, ISO 50000, ISO 100000

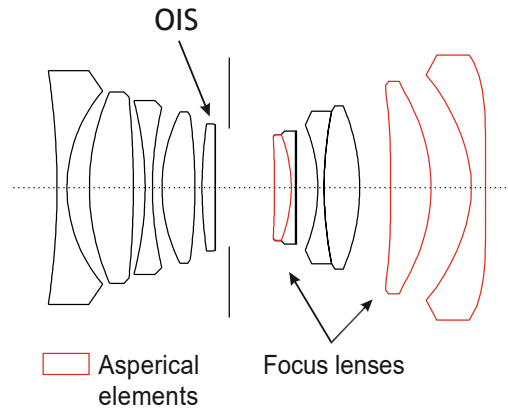
JPEG settings	Contrast, sharpness (5 steps each) Color tint: Sepia, blue, selen (2 steps each – low / high) / OFF
Focusing range	30 cm to ∞, with macro setting from 17 cm
Focus setting	Automatic (autofocus) or manual focusing, option of magnifying function and edge marking (focus peaking) available for manual setting
Autofocus system	Contrast-based autofocus system
Autofocus modes	AFS (shutter release only after successful focusing), AFC (shutter release possible at any time), AF setting can be saved
Autofocus metering methods	Single zone (225 fields), multi-field, face recognition
Exposure modes	Automatic program, aperture priority, shutter speed priority and manual setting
Exposure metering methods	Multi-field, center-weighted, spot
Exposure compensation	±3 EV in 1/3 EV increments
Automatic bracketing	3 or 5 exposures in graduations of up to 3 EV, can be set in 1/3 EV increments
Shutter type	Optionally mechanical, electronic or hybrid
Shutter speeds	60 s to 1/2000 s with mech. Shutter, 1 s to 1/40000 s with electr. shutter, in 1/3 increments, flash synchronization up to 1/500 s, Linear flashes with all shutter speeds less than 1/500 s possible (with HSS-enabled SCA 3002 standard flash units)
Picture series	Selectable: 10/5/3 fps (H/M/L)
Self-timer	Delay time either 2 s or 12 s
OLED Viewfinder	Resolution: 1280 × 960 pixels x 3 colors (=3.68 MP), image field: approx. 100%, aspect ratio: 4:3, eye distance: 21mm adjustable -4 - +3 diopters, with eye sensor for automatic switching between viewfinder and monitor
Monitor	3" TFT LCD monitor with approx. 1,040,000 pixels, touch control possible
WLAN	Satisfies IEEE 802.11b/g/n standard (standard WLAN protocol), channel 1-11, encryption method: WLAN-compatible WPA™/ WPA2™, access method: infrastructure mode
Bluetooth	Bluetooth LE
Power supply	Leica BP-SCL4 lithium ion battery, rated voltage 7.2 V DC, capacity: 1860 mAh
Charger	Rated voltage 8.4 V DC, capacity min. 1860 mAh, charging time: approx. 180 min., Battery charger: 100–240 V AC, 50/60 Hz 0.25 A with adapters
Shots / Battery	Approx. 350 (according to CIPA-standard)
Body	Made of lightweight and robust magnesium construction
Lens filter thread	E49
Tripod thread	A 1/4 DIN 4503 (1/4")
Dimensions (WxHxD)	Approx. 130 × 80 × 91.9 mm (5.12 × 3.15 × 3.62 in)
Weight	Approx. 734/652 g / 25.3/22.5 oz. (without/with battery)
Scope of delivery	Camera, carrying strap, lens hood, lens cap, accessory shoe cover, battery, spare battery charger, power cable (EU, US, local power cable)
Software	Leica FOTOS App

Subject to changes in design, production and availability.



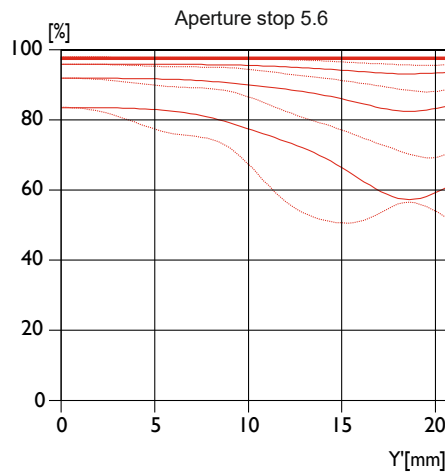
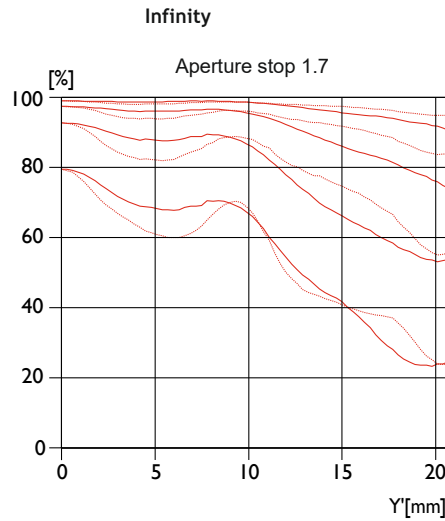
LEICA SUMMILUX 28 f/1.7 ASPH.

LENS SHAPE



MTF DIAGRAMS

Focal length 28 mm



- Sagittal structures
- Tangential structures

MTF GRAPHS

The MTF is indicated at full aperture and at f/5.6 for long distances (infinity). Shown is the contrast in percentage for 5, 10, 20 and 40lp/mm across the height of the 35mm film format, for tangential (dotted line) and sagittal (solid line) structures, in white light. The 5 and 10lp/mm will give an indication regarding the contrast ratio for large object structures. The 20 and 40lp/mm records the resolution of finer and finest object structures.