



LEICA Q (TYP116)

Technical data.



Product	Leica Q (Typ 116)
Order no.	19000
Camera type	Digital 35 mm compact camera.
Picture format/ aspect ratio	24 x 36 mm. 2:3.
Lens	Leica Summilux 28 mm f/1.7 ASPH., 11 elements in 9 groups, 3 aspherical elements.
Digital frame selector (digital zoom)	Selectable: approx. 1.25 x (corresponds to focal length of 35 mm) or approx. 1.8 x (corresponds to focal length of 50 mm).
Image stabilization	Optical compensation system for photo and video recordings.
Aperture range	1.7 to 16 in 1/3 EV increments.
Picture sensor/ resolution	CMOS sensor, 26.3/24.2 million pixels (total/effective).
Dynamic range	13 aperture stops.
Color depth	14 bit.
Photo capture format	Selectable: DNG + JPEG, JPEG.
DNG/JPEG resolution	Focal length 28 mm: megapixels (6000 x 4000 pixels), megapixels (4272 x 2848 pixels), megapixels (2976 x 1984 pixels), megapixels (1600 x 1080 pixels). Focal length 35 mm: megapixels (4800 x 3200 pixels), megapixels (3424 x 2288 pixels), megapixels (2384 x 1592 pixels), megapixels (1280 x 856 pixels). Focal length 50 mm: megapixels (3360 x 2240 pixels), megapixels (2400 x 1600 pixels), megapixels (1680 x 1120 pixels), megapixels (896 x 600 pixels).
Video recording format	MP4.
Video resolution/ frame rate	Selectable: FHD: 1920 x 1080 p with 60 or 30 fps. HD: 1280 x 720 p with 30 fps.
Sound recording format	AAC.
Microphone	Stereo.
Lautsprecher	Mono.
Storage media	SD/SDHC/SDXC, multimedia cards, speed class: UHS-1.
ISO range	Automatic, ISO 100 to ISO 50000.
White balance	Automatic, default settings for: daylight, cloudy, halogen lighting, shadow, electronic flash, two manual settings with measuring, manual color temperature setting.
Color space	Selectable for photos: sRGB, Adobe® RGB, ECI RGB, for videos: sRGB.
Sharpness/saturation/ contrast	Each selectable in 5 steps, also available as option in saturation .
Focusing range	30 cm to ∞, with macro setting from 17cm.
Focus setting	Automatic (autofocus) or manual focusing, option of magnifying function and edge marking (focus peaking) available for manual setting.

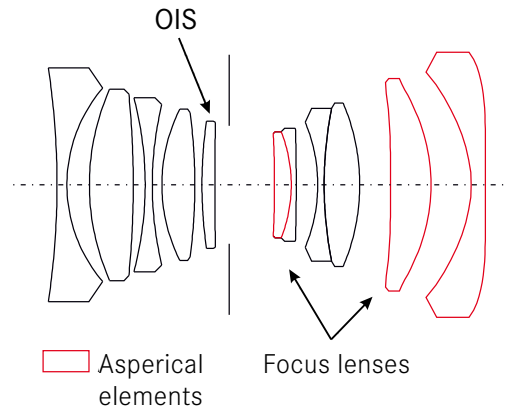
Autofocus system	Contrast-based autofocus system.
Autofocus modes	AFS (shutter release only after successful focusing), AFC (shutter release possible at any time), AF setting can be saved.
Autofocus metering methods	Single zone (adjustable), multi-field (49 zones), face recognition, subject tracking, optional setting/shutter release by touching the monitor.
Exposure modes	Automatic program, aperture priority, shutter speed priority and manual setting.
Scene modes	Fully automatic, sport, portrait, landscape, night portrait, snow/beach, candlelight, sunset, digiscoping, miniature effect, panorama, time lapse.
Exposure metering methods	Multi-field, center-weighted, spot.
Exposure compensation	±3 EV in 1/3 EV increments.
Automatic bracketing	Three exposures in graduations of up to 3 EV, can be set in 1/3 EV increments.
Shutter type	Mechanical and electronic.
Shutter speeds	30 s to 1/2000 s with mech. Shutter 1/2500 s to 1/16000 s with electr. shutter, in 1/3 increments, flash synchronization up to 1/500 s.
Picture series	Selectable: 10/5/3 fps (H/M/L).
Self-timer	Delay time either 2 s or 12 s.
Viewfinder	Electronic LCOS display, resolution: 1280 × 960 pixels x 3 colors (=3,68 MP), aspect ratio: 4:3, eyepiece: ±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.
NFC	According to JIS X 6319-4 standard/13.56 MHz.
Connections	Micro USB socket (2.0), HDMI socket.
Power supply	Leica BP-DC12 lithium ion battery, rated voltage 7.2V DC, capacity: 1200 mAh.
Charger	Leica BC-DC12, input: 100–240V AC, 50/60 Hz, automatic switching, output: 8.4V DC; 0.65 A.
Body	Leica design made completely of extremely light magnesium and aluminum, two eyelets for the carrying strap, ISO accessory shoe with center and control contacts to connect flash units, such as the Leica SF26.
Lens filter thread	E49.
Tripod thread	A 1/4 DIN 4503 (1/4").
Dimensions (W x H x D)	Approx. 130 × 80 × 93 mm (5.12 × 3.15 × 3.66 in)
Weight	Approx. 590/640 g / 20.8/22.6 oz. (without/with battery).
Scope of delivery	Camera, carrying strap, lens hood, lens cap, accessory shoe cover, battery, charger, power cable (EU, US, local power cable), USB cable.
Software	Adobe® Photoshop® Lightroom® (free download after registration of the camera), Leica App for iOS® (free download remote control and picture transfer in Apple® App-Store®/Google® Play Store®).

Subject to changes in design, production and availability.



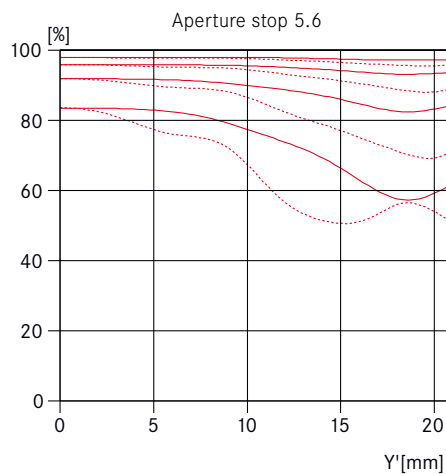
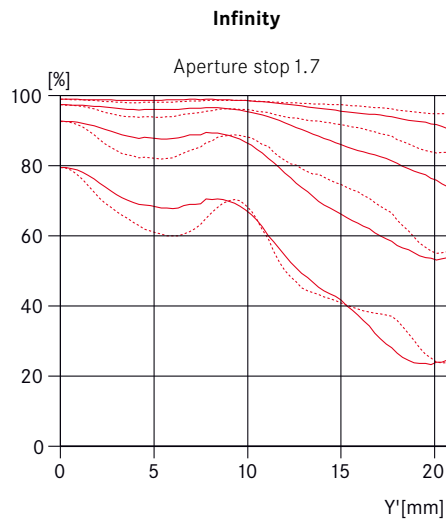
LEICA **SUMMILUX** 28 mm f/1.7 ASPH.

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 40 lp/mm across the height of the 35 mm film format, for tangential (dotted line) and sagittal (solid line) structures, in white light. The 5 and 10 lp/mm will give an indication regarding the contrast ratio for large object structures. The 20 and 40 lp/mm records the resolution of finer and finest object structures.