



LEICA Q-P

Technical data.



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| Product | Leica Q-P |
| Order no. | 19 045 |
| 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 × 4000 pixels), megapixels (4272 × 2848 pixels), megapixels (2976 × 1984 pixels), megapixels (1600 × 1080 pixels) Focal length 35 mm: megapixels (4800 × 3200 pixels), megapixels (3424 × 2288 pixels), megapixels (2384 × 1592 pixels), megapixels (1280 × 856 pixels) Focal length 50 mm: megapixels (3360 × 2240 pixels), megapixels (2400 × 1600 pixels), megapixels (1680 × 1120 pixels), megapixels (896 × 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 17 cm |
| Focus setting | Automatic (autofocus) or manual focusing, option of magnifying function and edge marking (focus peaking) available for manual setting |

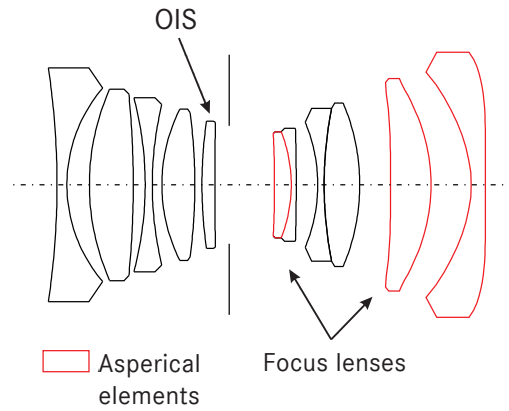
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| Autofocus system | Contrast-based autofocus system |
| Autofocus modes | AFS (shutter release only after successful focusing), AFC (shutter release possible at any time), AF setting can be saved |
| Autofocus metering methods | Single zone (adjustable), 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 1/2000 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 7.2 V DC, capacity: 1200 mAh |
| Charger | Leica BC-DC12, input: 100–240 V AC, 50/60 Hz, automatic switching, output: 8.4 V 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, leather carrying strap (brown), lens hood, lens cap, accessory shoe cover, battery, spare battery charger, power cable (EU, US, local power cable), USB cable |
| Software | Leica FOTOS App for iOS® and Android |

Subject to changes in design, production and availability.



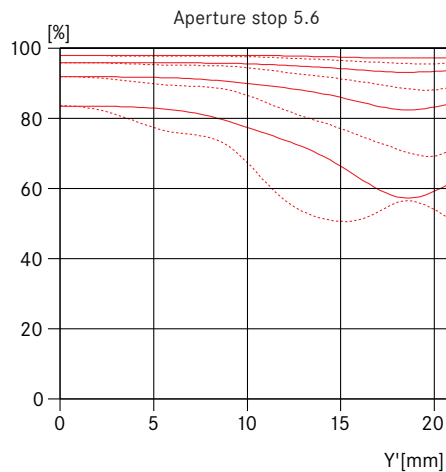
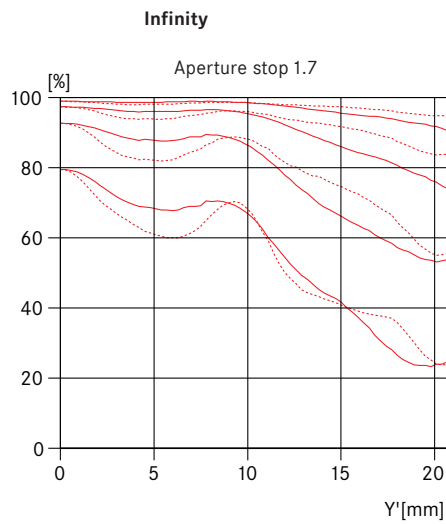
LEICA **SUMMILUX** 28 mm f/ 1.7 ASPH.

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.