

Designation	Leica Q3 43
Camera type	Digital 35 mm compact camera
Dimensions	130 x 80,3 x 97,6 mm
Weight	Approx. 772g/688 g (with/without battery)
Material	Full metal housing: magnesium die-cast, leather covering, protection type IP52
Buffer memory	8 GB
Sensor size	CMOS-Sensor, 62,39 MP/60,3 MP (total/effective)
Storage medium	UHS-II (recommended), UHS-I, SD/SDHC/SDXC memory card
Operating conditions	0 °C to +40 °C
Interfaces	ISO accessory shoe with additional control contacts for Leica flash units, HDMI jack Ty Type C up to 10 Gbps
Tripod thread	A 1/4 DIN 4503 (1/4”) with stainless steel in the basen
Processor	Leica Maestro series (Maestro IV)
Filter	RGB color filter, UV/IR filter, no low-pass filter
File formats	Photo: DNG™ (raw data), DNG + JPG, JPG (DCF 2.0, Exif 2.31) Video: MP4 h.265 / AAC / 48 kHz (16 Bit) h.264 AAC 48 kHz/16 Bit MOV h.265 / LPCM / 28 kHz (24 Bit) h.264 / LPCM / 28 kHz (24 Bit) ProRes / LPCM / 28 kHz (24 Bit)

Image resolution	DNG™ 9520 x 6336 Pixel (60,3 MP) 7404 x 4928 Pixel (36,5 MP) 5288 x 3518 Pixel (18,6 MP) JPG 9520 x 6336 Pixel (60,3 MP) 7392 x 4928 Pixel (36,4 MP) 5280 x 3512 Pixel (18,5 MP)
File size	DNG™: approx. 70 MB, depending on resolution and image content JPG: depending on resolution and image content Video: max. length: 29 min
Color depth	DNG™: 14 Bit JPG: 8 Bit
Color space	Foto: sRGB
Video Resolution	C8K (17:9) 8192 x 4320 8K (16:9) 7680 x 4320 C4K (17:9) 4096 x 2160 4K (16:9) 3840 x 2160 Full HD (16:9) 1920 x 1080
Video frame rate/bit rate	MOV C8K (recording to SD) 29,97 fps C8K 4:2:0 / 10 Bit h.265 L-GOP 300 Mbps 25,00 fps C8K 4:2:0 / 10 Bit h.265 L-GOP 300 Mbps 24,00 fps C8K 4:2:0 / 10 Bit h.265 L-GOP 300 Mbps 23,98 fps C8K 4:2:0 / 10 Bit h.265 L-GOP 300 Mbps MOV C8K (HDMI output without HLG/L-Log and without recording to SD) 29,97 fps 8K 4:2:0 / 8 Bit h.265 L-GOP 300 Mbps 25,00 fps 8K 4:2:0 / 8 Bit h.265 L-GOP 300 Mbps 24,00 fps 8K 4:2:0 / 8 Bit h.265 L-GOP 300 Mbps 23,98 fps 8K 4:2:0 / 8 Bit h.265 L-GOP 300 Mbps MOV C8K (HDMI output with HLG/L-Log or during recording to SD) 29,97 fps C4K 4:2:2 / 10 Bit h.265 L-GOP 300 Mbps 25,00 fps C4K 4:2:2 / 10 Bit h.265 L-GOP 300 Mbps

24,00 fps C4K 4:2:2 / 10 Bit h.265 L-GOP 300 Mbps
23,98 fps C4K 4:2:2 / 10 Bit h.265 L-GOP 300 Mbps

MOV 8K (recording to SD)

29,97 fps 8K 4:2:0 / 10 Bit h.265 L-GOP 300 Mbps
25,00 fps 8K 4:2:0 / 10 Bit h.265 L-GOP 300 Mbps
24,00 fps 8K 4:2:0 / 10 Bit h.265 L-GOP 300 Mbps
23,98 fps 8K 4:2:0 / 10 Bit h.265 L-GOP 300 Mbps

MOV 8K (HDMI output without HLG/L-Log and without recording to SD)

29,97 fps 8K 4:2:0 / 8 Bit h.265 L-GOP 300 Mbps
25,00 fps 8K 4:2:0 / 8 Bit h.265 L-GOP 300 Mbps
24,00 fps 8K 4:2:0 / 8 Bit h.265 L-GOP 300 Mbps
23,98 fps 8K 4:2:0 / 8 Bit h.265 L-GOP 300 Mbps

MOV 8K (HDMI output with HLG/L-Log or during recording to SD)

29,97 fps 4K 4:2:2 / 10 Bit h.265 L-GOP 300 Mbps
25,00 fps 4K 4:2:2 / 10 Bit h.265 L-GOP 300 Mbps
24,00 fps 4K 4:2:2 / 10 Bit h.265 L-GOP 300 Mbps
23,98 fps 4K 4:2:2 / 10 Bit h.265 L-GOP 300 Mbps

MOV C4K

59,94 fps 4:2:2 / 10 Bit (SD & HDMI) h.264 ALL-I 600 Mbps
50,00 fps 4:2:2 / 10 Bit (SD & HDMI) h.264 ALL-I 600 Mbps
48,00 fps 4:2:2 / 10 Bit (SD) h.264 ALL-I 600 Mbps
24,00 fps 4:2:2 / 10 Bit (HDMI)
47,95 fps 4:2:2 / 10 Bit (SD) h.264 ALL-I 600 Mbps
23,98 fps 4:2:2 / 10 Bit (HDMI)
29,97 fps 4:2:2 / 10 Bit (SD & HDMI) h.264 ALL-I 400 Mbps
25,00 fps 4:2:2 / 10 Bit (SD & HDMI) h.264 ALL-I 400 Mbps
24,00 fps 4:2:2 / 10 Bit (SD & HDMI) h.264 ALL-I 400 Mbps
23,98 fps 4:2:2 / 10 Bit (SD & HDMI) h.264 ALL-I 400 Mbps

MOV 4K

59,94 fps 4:2:2 / 10 Bit (SD & HDMI) h.264 ALL-I 600 Mbps
50,00 fps 4:2:2 / 10 Bit (SD & HDMI) h.264 ALL-I 600 Mbps
48,00 fps 4:2:2 / 10 Bit (SD) h.264 ALL-I 600 Mbps
24,00 fps 4:2:2 / 10 Bit (HDMI)
47,95 fps 4:2:2 / 10 Bit (SD) h.264 ALL-I 600 Mbps
23,98 fps 4:2:2 / 10 Bit (HDMI)
29,97 fps 4:2:2 / 10 Bit (SD & HDMI) h.264 ALL-I 400 Mbps
25,00 fps 4:2:2 / 10 Bit (SD & HDMI) h.264 ALL-I 400 Mbps
24,00 fps 4:2:2 / 10 Bit (SD & HDMI) h.264 ALL-I 400 Mbps
23,98 fps 4:2:2 / 10 Bit (SD & HDMI) h.264 ALL-I 400 Mbps

MOV FHD

119,88 fps 4:2:2 / 10 Bit (SD & HDMI) h.264 ALL-I 400 Mbps
100,00 fps 4:2:2 / 10 Bit (SD & HDMI) h.264 ALL-I 400 Mbps
59,94 fps 4:2:2 / 10 Bit (SD & HDMI) h.264 ALL-I 200 Mbps

50,00 fps 4:2:2 / 10 Bit (SD & HDMI) h.264 ALL-I 200 Mbps
48,00 fps 4:2:2 / 10 Bit (SD) h.264 ALL-I 200 Mbps
24,00 fps 4:2:2 / 10 Bit (HDMI)
47,95 fps 4:2:2 / 10 Bit (SD) h.264 ALL-I 200 Mbps
23,98 fps 4:2:2 / 10 Bit (HDMI)
29,97 fps 4:2:2 / 10 Bit (SD & HDMI) h.264 ALL-I 200 Mbps
25,00 fps 4:2:2 / 10 Bit (SD & HDMI) h.264 ALL-I 200 Mbps
24,00 fps 4:2:2 / 10 Bit (SD & HDMI) h.264 ALL-I 200 Mbps
23,98 fps 4:2:2 / 10 Bit (SD & HDMI) h.264 ALL-I 200 Mbps

MOV FHD Slow Motion

Sensor: 119,88 fps 4:2:0 / 10 Bit (SD & HDMI) h.265 L-GOP 100 Mbps
Recording/Playback: 29.97 fps
Sensor: 100,00 fps 4:2:0 / 10 Bit (SD & HDMI) h.265 L-GOP 100 Mbps
Recording/Playback: 25,00 fps

MOV FHD ProRes

59,94 fps 422HQ ProRes 454 Mbps
50,00 fps 422HQ ProRes 378 Mbps
29,97 fps 422HQ ProRes 227 Mbps
25,00 fps 422HQ ProRes 189 Mbps
24,00 fps 422HQ ProRes 182 Mbps
23,98 fps 422HQ ProRes 181 Mbps

MP4 8K

MP4 8K (recording to SD)

29,97 fps 8K 4:2:0 / 10 Bit h.265 L-GOP 300 Mbps
25,00 fps 8K 4:2:0 / 10 Bit h.265 L-GOP 300 Mbps
23,98 fps 8K 4:2:0 / 10 Bit h.265 L-GOP 300 Mbps

MP4 8K (HDMI output without recording to SD)

29,97 fps 8K 4:2:0 / 8 Bit h.265 L-GOP 300 Mbps
25,00 fps 8K 4:2:0 / 8 Bit h.265 L-GOP 300 Mbps
23,98 fps 8K 4:2:0 / 8 Bit h.265 L-GOP 300 Mbps

MP4 8K (HDMI output during recording to SD))

29,97 fps 4K 4:2:2 / 10 Bit h.265 L-GOP 300 Mbps
25,00 fps 4K 4:2:2 / 10 Bit h.265 L-GOP 300 Mbps
23,98 fps 4K 4:2:2 / 10 Bit h.265 L-GOP 300 Mbps

MP4 4K

59,94 fps 4:2:0 / 10 Bit (SD & HDMI) h.265 L-GOP 100 Mbps
50,00 fps 4:2:0 / 10 Bit (SD & HDMI) h.265 L-GOP 100 Mbps
29,97 fps 4:2:0 / 8 Bit (SD & HDMI) h.264 L-GOP 100 Mbps
25,00 fps 4:2:0 / 8 Bit (SD & HDMI) h.264 L-GOP 100 Mbps
23,98 fps 4:2:0 / 8 Bit (SD & HDMI) h.264 L-GOP 100 Mbps

MP4 FHD

59,94 fps 4:2:0 / 8 Bit (SD & HDMI) h.264 L-GOP 28 Mbps
50,00 fps 4:2:0 / 8 Bit (SD & HDMI) h.264 L-GOP 28 Mbps
29,97 fps 4:2:0 / 8 Bit (SD & HDMI) h.264 L-GOP 20 Mbps

25,00 fps 4:2:0 / 8 Bit (SD & HDMI) h.264 L-GOP 20 Mbps
23,98 fps 4:2:0 / 8 Bit (SD & HDMI) h.264 L-GOP 24 Mbps

Lens

Designation Leica APO-Summicron 43 f/2 ASPH., 11 lenses in 8 segments, 7 aspherical lens areas

Lens filter thread E49

Digital zoom Optionally approx. 1.4x (equivalent to 60 mm), approx. 1.7x (equivalent to 75 mm), approx. 2.8x (equivalent to 120 mm), or approx. 3.5x (equivalent to 150 mm)

Image stabilization Visual compensation system for photos and video recordings

Aperture range F2 to F16 in $\frac{1}{3}$ EV increments

Viewfinder/LCD panel

Viewfinder (EVF) Resolution: 5,760,000 dots, 120 fps, magnification: 0.79x at aspect ratio: 4:3 / 0.76x at frame coverage: 100%, exit pupil position: 20.75 mm, setting range -4/+2 dpt, with eye switchover between viewfinder and LCD panel, time delay 0.005 s

LCD panel 3" TFT LCD, approx. 1,843,200 dots, 384 ppi, aspect ratio 3:2, touch panel

Shutter

Shutter type Mechanical central shutter or optional electronic shutter

Shutter speeds Mech. shutter: 120 s to $\frac{1}{2000}$ s
Electro. shutter function: 1 s to $\frac{1}{16000}$ s
Flash Synchronization: up to $\frac{1}{2000}$ s

Shutter button Two-stage
(1st stage: Activation of the camera electronics including autofocus and exposure metering, 2nd stage: Taking the picture)

Self-timer Delay time: 2 s or 12 s

Drive Mode Single, Interval Shooting, Exposure Bracketing
Continuous shooting:
Continuous - 2 fps / 14 bit / AF, Continuous - 4 fps / 14 bit / AF:

Automatic settings (exposure settings in operating modes P/A/S, automatic white balance) are implemented individually for each frame.

Continuous - 7 fps / 14 bit, Continuous - 9 fps / 12 bit, Continuous - 15 fps / 12 bit:
Automatic settings (exposure settings in operating modes P/A/S, automatic white balance) are implemented for the first frame, and are then applied for each subsequent frame in series.

Focusing

Focus range

60 cm to ∞
Macro setting: 26.5 cm to 60 cm

Focus mode

Automatic or manual
With manual setting: optional magnifying glass function (Auto Magnification) and edge Peaking) available as focus assist

Autofocus system

Hybrid-AF due to combination of contrast metering, depth mapping, and phase comparison AF metering points in the sensor.

Autofocus modes

Intelligent AF (autonomously selects AFs and AFc), AFs, AFc, AF setting can be saved

Autofocus metering methods

Spot (can be shifted), Field (can be shifted and scaled), Multi-Field, Zone (can be shifted), Detection, Eye/Face/Body + Animal Detection, Tracking

Autofocus metering fields

315

Exposure

Exposure metering

TTL (exposure metering through the lens), with working aperture

Metering principle

Exposure metering is done by the image sensor for all exposure metering methods (in in rangefinder mode)

Exposure metering methods

Spot, Center-Weighted, Highlight-Weighted, Multi-Field

Exposure modes

Program AE mode (P)
Aperture-priority mode (A): manual aperture setting
Shutter-priority mode (S): manual shutter-speed setting
Manual (M): manual setting for shutter speed and aperture
Various fully automated variants (Scene Mode):
AUTO, Sport, Portrait, Landscape, Night Portrait, Snow/Beach, Fireworks, Candlelight,

Exposure compensation	±3 EV in 1/3 EV increments
Automatic bracketing	3 or 5 frames, graduations between shoots up to 3 EV, in 1/3 EV increments additional optional exposure compensation: up to ±3 EV
ISO sensitivity range	Photo: Auto ISO 100 to ISO 100 000 Manual ISO 50 to ISO 100 000 Video: Auto ISO 100 to ISO 100 000 Manual ISO 50 to ISO 100 000
White balance	Automatic (Auto), default (Daylight, Cloudy, Shadow, Tungsten, Flash), manual meterir manual color temperature settings (Color Temperature, 2000 K to 11500 K)
Flash	
Flash unit connector	Via the accessory shoe
Flash sync time	1/2000 s, slower shutter speeds available, automatic changeover to TTL linear flash m compatible Leica system flash units if sync time is undercut
Flash exposure metering	Using center-weighted TTL pre-flash metering with Leica flash units (SF 26, SF 40, SF with system compatible flash units, remote controlled flash SF C1
Flash exposure compensation	SF 40: ±2 EV in 1/2 EV increments SF 60: ±2 EV in 1/3 EV increments
Equipment	
Microphone	Stereo
Speaker	Mono
WLAN	WLAN function for connecting to the Leica FOTOS app. The Leica app is available fror Store™ or the Google Play Store™. EU/US/CN: 2,4 GHz IEEE802.11b/g/n: Channel 1–11 (2412–2462 MHz)

5 GHz
Client mode:
(For indoor use only)
IEEE802.11a/n/ac: Channel 36–64 (5180–5320 MHz)

Access point + client mode:
IEEE802.11a/n/ac: Channel 149–165 (5745–5825 MHz)

JP:
2,4 GHz
IEEE802.11b/g/n: Channel 1–11
(2412–2462 MHz)

5 GHz
Access point + client mode:
(For indoor use only)
IEEE802.11a/n/ac: Channel 36–48 (5180–5240 MHz)

Client mode:
(For indoor use only)
IEEE802.11a/n/ac: Channel 52–144 (5260–5720 MHz)

Maximum output (e.i.r.p.): <14 dBm, encryption method: WLAN-compatible WPA™/WPA2™

Bluetooth	Bluetooth Bluetooth 5.0 LE: Channel 0–39 (2402–2480 MHz), maximum output (e.i.r.p.)
GPS	Not available everywhere due to country-specific legislation; can be added via the Leica logo is written to Exif header of the picture files.
Menu languages	English, German, French, Italian, Spanish, Portuguese, Russian, Japanese, Traditional Chinese, Korean
Power supply	
Rechargeable battery (Leica BP-SCL6)	Lithium-ion rechargeable battery, rated voltage: 7.2 V (DC); capacity: 2200 mAh (min.) CIPA standard, with All Displays Auto Off = 5 s; manufacturer: Panasonic Energy (Wu) Co., Ltd., China
Charger (Leica BC-SCL4)	Input: AC 100–240 V, 50/60 Hz, 0.25 A, automatic switchover; output: DC 8.4 V 0.85 A Salom Electric (Xiamen) Co., Ltd., Made in China
Charging via USB	During operation: 9 V/3 A (min. 27 W) With camera switched off: 5 V/1500 mA (2.5 W or greater)

Wireless Charging	Optimal performance with 9 V chargers (10 W Charging Pad required)
Rated values for input voltage/power	7.2 V 2.3 A (battery), 5 V 3.0 A / 9 V 2.5 A (USB)