

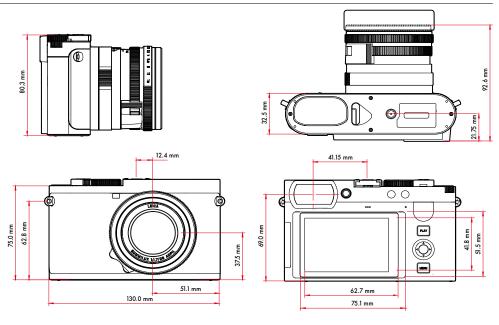
Technical Data.



Designation	Leica Q3 Monochrom					
Camera type	Digital 35 mm compact of	camera				
Туре No.	6506					
Order No.	19 200 EU/US/CN, 19 20	01 JP, 19 202 ROW				
Buffer memory	8 GB Capacity, depending or buffer memory)	n frame rate and picture	format, estimated quantity (num	ber of possible images in the		
		DNG	DNG + JPG	JPG		
	15 fps	63	63	67		
	9 fps	70	66	76		
	7 fps	74	69	83		
	5 fps	79	70	90		
	4 fps 83 72 104					

Storage medium	UHS-II (recommended), UHS-I, SD/SDHC/SDXC memory card
Material	Full metal housing: magnesium die-cast, leather covering, protection type IP52
Operating conditions	0°C to +40°C
Interfaces	ISO accessory shoe with additional control contacts for Leica flash units, HDMI jack Type D, USB 3.1 Gen 2 Type C up to 10 Gbps
Tripod thread	A 1/4 DIN 4503 (1/4") with stainless steel in the base

Dimensions



Approx. 746 g/662 g (with/without battery) Weight



Sensor					
Sensor size	CMOS sensor, 62.39 MP/60.3 MP (total/effective)				
Processor	Leica Maestro	series (Maestro IV)			
Filter	no low-pass fi	lter			
File formats	Photo: DNG™ Video:	(raw data), DNG + JPG,	JPG (DCF 2.0, Exif 3.0)		
	MP4	h.265	AAC	48 kHz/16 bit	
		h.264	AAC	48 kHz/16 bit	
	MOV	h.265	LPCM	48 kHz/24 bit	
		h.264	LPCM	48 kHz/24 bit	
		ProRes	LPCM	48 kHz/24 bit	
	JPG	7404 x 4928 pixels (36.5 MP) 5288 x 3518 pixels (18.6 MP) 1PG 9520 x 6336 pixels (60.3 MP) 7392 x 4928 pixels (36.4 MP) 5280 x 3512 pixels (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				
Bit depth	DNG™: 14 bit, JPG: 8 bit	/12 bit			
Video Resolution		Resolution		Aspect ratio	
	C8K	8192×4320		7:9	
	8 K	7680×4320	1	6:9	
	C4K	4096×2160		7:9	
	4K	3840×2160	1	16:9	
	Full HD	1920×1080		16:9	

Video frame rate/bit rate

File Format	Resolution	Frame rate	Bit rate	YUV / Bit	Compression	Codec
MP4	8K	29.97 fps				
	7680×4320	25.00 fps	300 Mbps			
		23.98 fps		4:2:0 / 10 bit		HEVC
	4K	59.94 fps				
	3840×2160	50.00 fps			Long GOP	
		29.97 fps				
		25.00 fps				
		23.98 fps				
	FHD	59.94 fps	28 Mpbs	4:2:0 / 8 bit		H264
	1920×1080	50.00 fps	26 Mpbs			П204
		29.97 fps	20 Made			
		25.00 fps	20 Mpbs			
		23.98 fps	24 Mpbs			

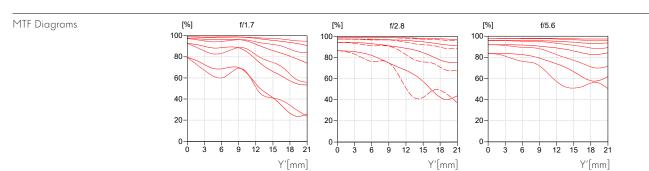


MOV	IC8K	29.97 fps				
TIOV	8192×4320	25.00 fps	-			
	0192 x 4320	24.00 fps				
		23.98 fps				
	8K	29.97 fps	300 Mbps	4:2:0 / 10 bit	Long GOP	HEVC
	7680×4320	25.00 fps	-			
	7000 X 4320	24.00 fps	-			
		23.98 fps	_			
	C4K	59.94 fps				
	4096 x 2160	50.00 fps	_			
	4090 X 2100	48.00 fps	600 Mbps			
		47.95 fps	_			
		29.97 fps		_		
		25.00 fps	-			
		24.00 fps	400 Mbps			
		23.98 fps	_			
	4K	59.94 fps		-		
	3840×2160		-			
	3840×2100	50.00 fps 48.00 fps	600 Mbps			
		47.95 fps	-			
		29.97 fps	_	4:2:2 / 10 bit	ALL-I	H264
		25.00 fps	_			
		24.00 fps 23.98 fps	400 Mbps			
	FHD		_			
		119.88 fps	_			
	1920×1080	100.00 fps 59.94 fps		_		
			_			
		50.00 fps	_			
		48.00 fps				
		47.95 fps	200 Mbps			
		29.97 fps	_ `			
		25.00 fps	_			
		24.00 fps	_			
	5115.01	23.98 fps				
	FHD Slow Motion	Sensor: 119.88 fps				
	1920×1080	Recording: 29.97 fps	100 Mbps	4:2:0 / 10 bit	Long GOP	HEVC
	1920×1080	Sensor: 100.00 fps			Long Cor	
		Recording: 25.00 fps				
MOV	FHD	59.94 fps	454 Mbps			
1100	1920×1080	50.00 fps		-		
	1720 X 1000	29.97 fps	378 Mbps	422HQ	-	
			227 Mbps			ProRes
		25.00 fps	189 Mbps			
		24.00 fps	182 Mbps			
		23.98 fps	181 Mbps			

Lens	
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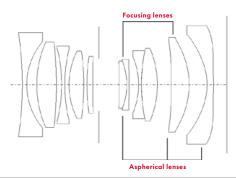
Designation	Leica Summilux 28 f/1.7 ASPH., 11 lenses in 9 segments, 3 aspherical lenses
Lens filter thread	E49
Digital zoom	Optionally approx. 1.25x (equivalent to 35 mm), approx. 1.7x (equivalent to 50 mm), approx. 2.7x (equivalent to 75 mm), or approx. 3.2x (equivalent to 90 mm)
Image stabilization	Visual compensation system for photos and video recordings
Aperture range	F1.7 to F16 in 1/3 EV increments





The MTF is shown in each case for the max. aperture of 2.0, as we as for 2.8 and 5.6 for long focus distances (infinity). The contrast is plotted in percentages for 5, 10, 20, 40 Lp/mm over the height of the format for tangential (dashed line) and sagittal structures (continuous line) for white light. The plots for 5 and 10 Lp/mm offer an impression of the contrast behavior for coarser object structures, while the 20 and 40 Lp/mm plots document the resolution capability for fine and finest object structures.





7 fps, 14 bit, AF

9 fps, 12 bit, AF

15 fps, 12 bit, AF

Viewfinder/LCD panel				
Viewfinder (EVF)	Resolution: 5,760,000 dots, 120 fps, magnification: 0.79x at aspect ratio: 4:3 / 0.76x at aspect ratio: 3:2, frame coverage: 100%, exit pupil position: 20.75 mm, setting range -4/+2 dpt, with eye sensor for automatic 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: 60 min to 1/2000 s Electro. shutter function: 60 s to 1/16000 s Flash Synchronization: up to 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: 2s or 12s			
Drive Mode	Single, Continuous Shooting, Interval Shooting, Exposure Bracketing, Multi-Shot Continuous shooting:			
	Setting Shutter type Autofocus mode for continuous shooting			
	2 fps, 14 bit, AF 4 fps, 14 bit, AF Mech. or electr. shutter Automatic settings (exposure settings in operating modes P/A/S, automatic white balance and autofocus) are implemented individually for each frame.			

Electr. shutter

Automatic settings (exposure settings in operating modes P/A/S, automatic white balance and autofocus) are imple-

mented for the first frame, and are then applied for each

subsequent frame in the same picture series.



Focusing					
Focus range	30 cm to ∞ With macro setting: from 17 cm				
Focus mode	Automatic or manu With manual setting ing) available as fo	g: optional magnifying glas	ss function (Auto Magnifica	tion) and edge marking (Focus Peak-	
Autofocus system	Contrast detection				
Autofocus modes	Intelligent AF (auto be saved, optional		as something changes in t	he scene), AFs, AFc, AF setting can	
Autofocus metering methods		d), Field (can be shifted and on, Animal Detection (Beta)		(can be shifted and scaled), Eye/	
Autofocus metering fields	315				
Exposure					
Exposure metering	TTL (exposure mete	ring through the lens), with	working aperture		
Metering principle	Exposure metering rangefinder mode)	is done by the image sensc	or for all exposure metering	methods (in Live View mode and in	
Exposure metering methods	Spot, Center-Weigl	nted, Highlight-Weighted, M	1ulti-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 automatic variants (Scene Mode): AUTO, Digiscoping				
Exposure compensation	±3 EV in 1/3 EV inc	rements			
Automatic bracketing		luations between shoots up exposure compensation: u		nts	
ISO sensitivity range	Auto ISO Manual	Photo ISO 200-ISO 200.000 ISO 100-ISO 200000	Video ISO 200-ISO 200.000 ISO 100-ISO 200000	L-Log HLG	
Dual Basis ISO settings	Photo Video L-Log HLG Low Basis-ISO ISO 100-ISO 560 ISO 100-ISO 560 ISO 800-ISO 2200 High Basis-ISO ISO 640-ISO 200.000 ISO 640-ISO 200.000 ISO 2500-ISO 200.000				
Flash					
Flash unit connector	Via the accessory s	hoe			
Flash sync time	← : 1/2000 s, slower shutter speeds available. High-speed shutter times between 1/2500 s and 1/16000 s are available only via the electronic shutter. Shorter shutter speeds, however, are only available via the mechanical shutter.				
Flash exposure metering	Using center-weighted TTL pre-flash metering with Leica flash units (SF 26, SF 40, SF 58, SF 60, SF 64) or 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				
USB Audio	Compatible RØDE USB audio devices include: VideoMic GO II, VideoMic NTG, Wireless GO II, Wireless ME, and other supported USB microphones.				
Speaker	Mono				



WLAN	WLAN function for connecting to the Leica FOTOS app. The Leica app is available from the Apple App Store™ or the Google Play Store™					
	2.4 GHz		5 GHz			
	EU/ IEEE802.11b/g/n: US/ channel 1-11 (2412- CN 2462 MHz)		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 ROW		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)		
	Maxim	um output (e.i.r.p.): <14	dBm, encryption method: WLAN-com	patible WPA™/WPA2™/WPA3™		
Bluetooth	Bluetoc	oth 5.0 LE: Channel 0-	-39 (2402–2480 MHz), maximum outp	out (e.i.r.p.): 10 dBm		
GPS	Not available everywhere due to country-specific legislation; can be added via the Leica FOTOS app. Data is written to Exif header of the picture files.					
Menu languages	English, German, French, Italian, Spanish, Portuguese, Russian, Japanese, Traditional Chinese, Simplified Chinese, Korean					
Power supply						
Rechargeable battery (Leica BP-SCL6)	CIPA st		pased on CIPA standard with adapted	y: 2200 mAh (min.), 302 shots (based on shooting cycle*) Manufacturer: Panasoni		
	and swit *Cycle : and swit	tched back on after a wai 2: Switch on, 1st shutter re tched back on after a wai	iting time of 5 min. lease after 5 s, one shot every 3 s, the came	a switches off after 10 shots (<u>Auto Power Off</u>) ra switches off after 50 shots (<u>Auto Power Off</u>)		
USB-C power adapter (Leica ACA-SCL6) (optional)	Input: AC 100–240 V, 50/60 Hz, 0.25 A, automatic switchover; Output: DC 5 V/9 V, 3 A; Manufacturer: Salom Electric (Xiamen) Co., Ltd., Made in China					
Charger (Leica BC-SCL4) (optional accessory)	Input: AC 100–240 V, 50/60 Hz, 0.25 A, automatic switchover; output: DC 8.4 V 0.85 A; manufacturer: Salom Electric (Xiamen) Co., Ltd., Made in China					
USB-C DC Coupler (Leica DC-SCL6)	Input: DC 9 V/3 A (min.), Output: DC 9 V (with ACA-SCL6), supports USB PD 3.1, Manufacturer: 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 9V chargers (10 W Charging Pad required)					
Rated values for input voltage/	7.2V = 2.3 A (battery), 5V = 3.0 A / 9V = 2.5 A (USB)					