

Clifton Cameras Product Specification

Leica D-Lux 8

Specifications

Camera type	Digital compact camera
Dimensions (WxHxD)	130 x 69 x 34 mm
Weight	Approx. 397 g/357 g (with/without battery)
Sensor size	4/3" CMOS sensor, 21,77 MP/17 MP (total/effective)
Buffer	DNG™: 14 or higher*, JPG: 100 or higher*
	*Based on CIPA standards and a memory card with high read/write speed. Capacity, depending on frame rate and picture format, estimated quantity (number of possible images in the buffer memory)
Storage medium	UHS-II (recommended), UHS-I, SD/SDHC/SDXC memory card
Material	Full metal housing: magnesium die-cast, leatherette covering
Lens	Leica DC Vario-Summilux 10.9–34 f/1.7–2.8 ASPH. (35 mm equivalent: 24–75 mm) aperture range: 1.7–16/2.8–16 (at 10.9/34 mm)
Lens filter thread	E43
Aperture range	Depending on zoom level, F1.7 to F16 in 1/3 EV increments (wide angle) F1.7 to F16; (tele zoom) F2.8 to F16 in 1/3 EV increments
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 1 Type C
Tripod thread	A 1/4 DIN 4503 (1/4") with stainless steel in the base
Image stabilization	Visual compensation system for photos and video recordings
Filter	RGB color filter, UV/IR filter
File formats	Photo: DNG™ (raw data), DNG + JPG, JPG (DCF 2.0, Exif 2.31)
	Video: MP4, H.264, AAC stereo

Photo resolution

DNG™	16:9 - 5152 x 2904 (15 MP)
	3:2 - 4928 x 3288 (16.2 MP)
	4:3 - 4736 x 3552 (16.8 MP)

	1:1 - 3552x3552 (12.6 MP)
L-JPG	16:9 - 5152x2904 (15 MP)
	3:2 - 4928x3288 (16.2 MP)
	4:3 - 4736x3552 (16.8 MP)
	1:1 - 3552x3552 (12.6 MP)
M-JPG	16:9 - 3840 x 2160 (8.3 MP)
	3:2 - 3504 x 2336 (8.2 MP)
	4:3 - 3360 x 2520 (8.5 MP)
	1:1 - 2528 x 2528 (6.4 MP)
S-JPG	16:9 - 1920 x 1080 (2.1 MP)
	3:2 - 2496 x 1664 (4.2 MP)
	4:3 - 2368 x 1776 (4.2 MP)
	1:1 - 1776 x 1776 (3.2 MP)

File size

DNG™	approx. 31 MB, depending on resolution and image content
JPG	depending on resolution and image content
Video	max. length: 29 min

Color depth

DNG™	12 bit
JPG	8 bit
Color space	Photo: sRGB

Video Resolution

4K	3840x2160
Full HD	1920x1080
HD	1280x720

Video frame rate/bit rate

4K 30 p	29.97 fps - 4K 4:2:0 / 8 bit - h.264 L-GOP 100 Mbps
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4K 24 p	23.98 fps - 4K 4:2:0 / 8 bit - h.264 L-GOP 100 Mbps
	FHD 60 p 59.94 fps - FHD 4:2:0 / 8 bit - h.264 L-GOP 28 Mbps
	FHD 30 p 29.97 fps - FHD 4:2:0 / 8 bit - h.264 L-GOP 20 Mbps
	HD 30 p 29.97 fps - HD 4:2:0 / 8 bit - h.264 L-GOP 10 Mbps

Viewfinder/LCD panel

Viewfinder (EVF)	OLED, Resolution: 2,360,000 dots, 60 fps, magnification: 0.74x, at aspect ratio: 4:3, exit pupil position: 20 mm, setting range -4/+4 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	Mechanical shutter: 60 s to 1/4000 s
Electronic shutter function:	1 s to 1/16000 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 - 2 fps, 12 bit, AF, Continuous Shooting - 7 fps, 10 bit Continuous Shooting - 11 fps, 10 bit

Focusing

Focus range	50 cm to ∞
With macro setting:	from 3 cm (wide angle), from 30 cm (tele zoom)
Focus mode	Automatic, Automatic (macro), or Manual
Autofocus system	Contrast detection
Autofocus modes	Intelligent AF (autonomously selects AFs and AFc), AFs, AFc
Autofocus metering methods	Spot (can be shifted), Field (can be shifted and scaled), Multi-Field, Zone (can be shifted), Eye / Face, Tracking
Autofocus metering fields	49

Exposure

Exposure metering	TTL (exposure metering through the lens), with working aperture
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Metering principle	Exposure metering is done by the image sensor for all exposure metering methods
Exposure metering methods	Spot, Center-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 automatic variants (Scene Mode):	Auto, Portrait, Landscape, Night Scenery, Miniature Effect, One Point Color, HDR
Exposure compensation	± 3 EV in 1/3 EV increments
Automatic bracketing	3, 5 or 7 frames, graduations between shoots up to 1 EV, in 1/3 EV increments
additional optional exposure compensation:	up to ± 3 EV

ISO sensitivity range

Auto ISO	Photo ISO 100–ISO 25 000 Video ISO 100–ISO 6 400
Manual	Photo ISO 100–ISO 25 000 Video ISO 100–ISO 6 400
White balance	Automatic (Auto), default (Daylight, Cloudy, Shadow, Tungsten, Flash), manual metering (Gray Card), manual color temperature settings (Color Temperature, 2500 K to 10000 K)

Flash

Flash unit Included in the delivery:	Leica CFD
Flash angle	Aligned with the shortest focal length of the lens of 10.9 mm
Guide number	10/7 (at ISO 200/100)
Flash range	Approx. 0.6–14.1 m/0.3–8.5 m (at shortest/longest focal length)
Flash unit connector	Via the accessory shoe
Flash sync time:	1/4000 s, slower shutter speeds available
Flash exposure compensation	± 3 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 from the Apple App Store™ or the Google Play Store™.



IEEE802.11b/g/n	Channel 1–11 (2412–2462 MHz), maximum output (e.i.r.p.): 5.9 dBm, encryption method: WLAN-compatible WPA™/WPA2™
Bluetooth Bluetooth 5.0 LE:	Channel 0–39 (2402–2480 MHz), maximum output (e.i.r.p.): 1.2 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-DC15)	Lithium-ion rechargeable battery, rated voltage: 7.2 V (DC), capacity: 1025 mAh (min.), manufacturer: Panasonic Energy (Wuxi) Co. Ltd., Made in China
Charging via USB	With camera switched off: 5 V/1500 mA (2.5 W or greater)
Rated values for input voltage/power	7.2 V 0.9 A (battery), 5 V 1.0 A (USB)