



LEICA D-LUX (TYP 109)

Technical data.



Product	Leica D-Lux (Typ 109)
Order no.	18 470
Lens	Leica DC Vario-Summilux 10.9–34 mm f/1.7–2.8/ASPH., 35 mm camera equivalent: 24 – 75 mm. 11 elements in 8 groups (5 aspherical lenses/8 aspherical surfaces/2 ED lenses).
Optical image stabiliser	OIS (Optical Image Stabilization).
Zoom optical/digital/ intelligent	3.1 x/4 x/6.2 x.
Focussing	
Modes	Normal/macro.
AF metering modes	Face/eye detection, tracking, 49-area, 1-area (flexible/scalable), custom multi, pinpoint.
Focussing range	
AF	Normal: 50 cm – ∞.
AF macro/MF/ shnapsot	Wide: 3 cm/1 3/16", Tele: 30 cm/1" – ∞.
Sensor	4/3-inch High sensitivity MOS sensor. Total pixel number: 16.8 megapixels (effective pixels:12.8 MP).
Resolution	
Still image	4:3 format: 4112 × 3088 pixels (12.5 M) (L), 2976 × 2232 pixels (6.5 M) (M), 2048 × 1536 pixels (3 M) (S). 3:2 format: 4272 × 2856 pixels (12 M) (L), 3120 × 2080 pixels (6.5 M) (M), 2112 × 1408 pixels (3 M) (S). 16:9 format: 4480 × 2520 pixels (11 M) (L), 3840 × 2160 pixels (8 M) (M), 1920 × 1080 pixels (2 M) (S). 1:1 format: 3088 × 3088 pixels (10 M) (L), 2240 × 2240 pixels (5 M) (M), 1536 × 1536 pixels (2.5 M) (S).
Video	NTSC Model 3840 × 2160 pixels, 30 p (4K: 100 Mbps/MP4) (sensor output is 30fps) (AAC). 1920 × 1080 pixels, 60 p (FHD: 28 Mbps / MP4) (sensor output is 60 bps) (AAC). 1920 × 1080 pixels 30 p (FHD: 20 Mbps / MP4) (sensor output is 30 bps) (AAC). 1280 × 720 pixels, 30 p (HD: 10 Mbps/MP4) (sensor output is 30 bps) (AAC). PAL Model 3840 × 2160 pixels, 25 p (4K: 100 Mbps/MP4) (sensor output is 25 bps) (AAC). 1920 × 1080 pixels, 50 p (FHD: 28 Mbps/MP4) (sensor output is 50 bps) (AAC). 1920 × 1080 pixels, 25 p (FHD: 20 Mbps/MP4) (sensor output is 25 bps) (AAC). 1280 × 720 pixels, 25 p (HD: 10 Mbps/MP4) (sensor output is 25 bps) (AAC). 640 × 480 pixels, 30 p (VGA: 4 Mbps/MP4) (sensor output is 30 bps) (AAC). 640 × 480 pixels, 25 p (VGA: 4 Mbps/MP4) (sensor output is 25 bps) (AAC). 1920 × 1080 pixels, 30 p (FHD: MP4) (sensor output is 120 bps). 1920 × 1080 pixels, 25 p (FHD: MP4) (sensor output is 100 bps).
Recording file formats	
Still image	RAW/JPEG.
Video	MP4. Recording time: max. 29:00 minutes.
Exposure control	
Exposure modes	Snap shot (by snap shot button), P, A, S, M (by aperture ring and shutter speed dial).
Exposure compensation	Increments: 1/3 EV steps, setting range: ± 3 EV.
Auto AE bracketing	3, 5, 7 frames in 1/3, 2/3 or 1 EV step, max. +/-3 EV.
Scene modes/ Photo styles	Standard,vivid, natural, monochrome, scenery, portrait, custom, panorama. (Panorama mode can be selected in drive mode).

Creative control mode	Expressive, retro, old days, high key, low key, sepia, monochrome, dynamic monochrome, rough monochrome, silky monochrome, impressive art, high dynamic, cross process, toy effect, toy pop, bleach bypass, miniature effect, soft focus, fantasy, star filter, one point color, sunshine.
Metering modes	Intelligent multiple, centre-weighted, spot.
White balance	Auto, daylight, cloudy, shade, incandescent, flash, 4 manual settings, color temperature (2-axis adjustable).
ISO sensitivity	Auto/i. ISO/80, 100, 200, 400, 800, 1600, 3200, 6400, 12500, 25000* (*extended ISO). (Changeable to 1/3 EV step).
Shutter speeds	Still image: Approx. 60 s – 1/4000 s (mechanical shutter), approx. 1 s - 1/16000 s (electronic Shutter). Bulb: approx. 120 s. Motion picture: Approx. 1/30 s – 1/16000 s (NTSC model), approx. 1/25 s - 1/16000 s (PAL model), approx. 1/2s - 1/16000 s. (M mode/MF mode).
Continuous shooting	[AFS] SH: 40 frames/sec*, H: 11 frames/s, M: 7 frames/s (with Live View), L: 2 frames/s (with Live View). (*Electronic shutter only).
Flash	External flash (included).
Flash modes	Auto*, auto/red-eye reduction*, forced on, forced on/red-eye reduction, slow sync., slow sync./red-eye reduction, forced off. (*for snap shot mode only).
Flash range	80 cm – 8.5 m (Wide/ISO Auto), 0.3 – 5.2 m (Tele/ISO Auto).
Self-timer	2/10/10 s (3 images).
Monitor	3.0"(7.5 cm) LC display (921K dots), AR coating, field of view: approx. 100%, wide viewing-angle.
Viewfinder	LCD LVF (Live View Finder), (2764K dots equivalent), field of view: approx. 100%, magnification: approx. 1.39x/0.7x (35mm equiv.), eye sensor.
Microphone/speaker	Stereo/monoaural.
Memory cards	SD memory card, SDHC memory card, SDXC memory card (compatible with UHS-I standard).
Interfaces	Digital: USB (AV/USB multi), cable mini-HDMI (Typ C), AV output. WiFi: IEEE 802.11b/g/n/2412 MHz - 2462 MHz (1-11 ch)/WPA/WPA2/infrastructure mode/WPS/ Wi-Fi direct/Wi-Fi button NFC: ISO/IEC 18092, NFC-F (passive mode).
Operating temperature/humidity	0 – 40° C / 10 – 80 %.
Battery (included)	Li-ion Battery Pack (7.2V, 1025 mAh, 7.4 Wh).
Dimensions (W × H × D)	117.8 × 66.2 × 55 mm, (4.64 × 2.61 × 2.41 inch).
Weight	365 g/405 g (without/with battery).
Printer compatibility	PictBridge, DPOF.
Scope of delivery	Digital camera, flash (Leica CF D), battery, battery charger, USB cable, neck strap, lens cap with string, hot shoe cover, instructions, CD with instructions, guarantee card.
Software	Adobe® Photoshop® Lightroom® (free license).