



# LEICA D-LUX (TYP 109)

## Technical data.



<b>Product</b>	<b>Leica D-Lux (Typ 109)</b>
<b>Order no.</b>	18 470
<b>Lens</b>	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).
<b>Optical image stabiliser</b>	OIS (Optical Image Stabilization).
<b>Zoom optical/digital/intelligent</b>	3.1 x/4 x/6.2 x.
<b>Focussing</b>	
Modes	Normal/macro.
AF metering modes	Face/eye detection, tracking, 49-area, 1-area (flexible/scalable), custom multi, pinpoint.
<b>Focussing range</b>	
AF	Normal: 50 cm – ∞.
AF macro/MF/snapshot	Wide: 3 cm/1 3/16", Tele: 30 cm/1" – ∞.
<b>Sensor</b>	4/3-inch High sensitivity MOS sensor. Total pixel number: 16.8 megapixels (effective pixels: 12.8 MP).
<b>Resolution</b>	
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	<b>NTSC Model</b> 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). <b>PAL Model</b> 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).
<b>Recording file formats</b>	
Still image	RAW/JPEG.
Video	MP4. Recording time: max. 29:00 minutes.
<b>Exposure control</b>	
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.)

<b>Creative control mode</b>	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.
<b>Metering modes</b>	Intelligent multiple, centre-weighted, spot.
<b>White balance</b>	Auto, daylight, cloudy, shade, incandescent, flash, 4 manual settings, color temperature (2-axis adjustable).
<b>ISO sensitivity</b>	Auto/i. ISO/100, 200, 400, 800, 1600, 3200, 6400, 12500, 25000* (*extended ISO). (Changeable to 1/3 EV step).
<b>Shutter speeds</b>	<b>Still image:</b> Approx. 60 s - 1/4000 s (mechanical shutter), approx. 1 s - 1/16000 s (electronic Shutter). Bulb: approx. 120 s. <b>Motion picture:</b> Approx. 1/30 s - 1/16000 s (NTSC model), approx. 1/25 s - 1/16000 s (PAL model), approx. 1/2 s - 1/16000 s. (M mode/MF mode).
<b>Continuous shooting</b>	[ 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).
<b>Flash</b>	External flash (included).
<b>Flash modes</b>	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).
<b>Flash range</b>	80 cm - 8.5 m (Wide/ISO Auto), 0.3 - 5.2 m (Tele/ISO Auto).
<b>Self-timer</b>	2/10/10 s (3 images).
<b>Monitor</b>	3.0"(7.5 cm) LC display (921K dots), AR coating, field of view: approx. 100%, wide viewing-angle.
<b>Viewfinder</b>	LCD LVF (Live View Finder), (2764K dots equivalent), field of view: approx. 100%, magnification: approx. 1.39x/0.7x (35mm equiv.), eye sensor.
<b>Microphone/speaker</b>	Stereo/monoaural.
<b>Memory cards</b>	SD memory card, SDHC memory card, SDXC memory card (compatible with UHS-I standard).
<b>Interfaces</b>	<b>Digital:</b> USB (AV/USB multi), cable macro-HDMI (Typ C), AV output. <b>WiFi:</b> IEEE 802.11b/g/n/2412 MHz - 2462 MHz (1-11 ch)/WPA/WPA2/infrastructure mode/WPS/Wi-Fi direct/Wi-Fi button. <b>NFC:</b> ISO/IEC 18092, NFC-F (passive mode).
<b>Operating temperature/humidity</b>	0 - 40° C / 10 - 80 %.
<b>Battery (included)</b>	Li-ion Battery Pack (7.2V, 1025 mAh, 7.4 Wh).
<b>Dimensions (W x H x D)</b>	117.8 x 66.2 x 55 mm, (4.64 x 2.61 x 2.41 inch).
<b>Weight</b>	365 g/405 g (without/with battery).
<b>Printer compatibility</b>	PictBridge, DPOF.
<b>Scope of delivery</b>	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.