



LEICA V-LUX (TYP 114)

Technical data.



Product	Leica V-Lux (Typ 114)
Order no.	18 193
Lens	Leica DC Vario-Elmarit f/2. -4.0/9.1 -146 mm ASPH., 35 mm camera equivalent: 25 - 400 mm 15 elements in 11 groups (5 aspherical lenses/8 aspherical surfaces/4 ED lenses).
Optical image stabiliser	OIS (Optical Image Stabilization).
Zoom Optical/digital/ intelligent	16 x/4 x/32x.
Focussing	
Modes	Normal/macro.
AF Metering modes	Face, eye detection, tracking, 49-area, 1-area (flexible/scalable), custom multi, pinpoint.
Focusing range	
AF	30 cm/1' (at 9.1 mm)/1 m/3'3" (at 146 mm) to ∞.
AF macro/MF/ shnapsnot	3 cm/1 3/16" (at 9.1 mm)/1 m/3'3" (at 146 mm) to ∞.
Sensor	1" MOS with 20.9 MP (effective pixels 20.1MP).
Resolution	
Still image	4:3 format: 4864 × 3648 (17.5 M) (L), 3456 × 2592 (9 M) (M), 2432 × 1824 (4.5 M) (S). 3:2 format: 5472 × 3648 (20 M) (L), 3888 × 2592 (10 M) (M), 2736 × 1824 (5 M) (S). 16:9 format: 5472 × 3080 (17 M) (L), 3840 × 2160 (8 M) (M), 1920 × 1080 (2 M) (S). 1:1 format: 3648 × 3648 (13.5 M) (L), 2592 × 2592 (6.5 M) (M), 1824 × 1824 (3.5 M) (S).
Video	NTSC Model 3840 × 2160 pixels, 30 p (4K: 100 Mbps/MP4) (sensor output is 30 bps) (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 120 bps) (AAC). 640 × 480 pixels, 30 p (VGA: 4 Mbps/MP4) (sensor output is 30 bps) (AAC). 1920 × 1080 pixels, 30 p (FHD: MP4) (sensor output is 120 bps) (High Speed Video). 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, 25 p (VGA: 4 Mbps/MP4) (sensor output is 25 bps) (AAC). 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.
Audio	AAC (2 Kanal).
Exposure control	
Exposure modes	Snap Shot, P, A, S, M, creative video, C1 (custom), C2 (custom), scene guide, creative control.
Exposure compensation	Increments: 1/3 EV steps, setting range: ± 5 EV. (+/-3 EV for motion picture).
Auto AE Bracketing	3, 5, 7 frames in 1/3, 2/3 or 1 EV step, max. ± 3 EV.

Scene modes	Clear portrait, silky skin, backlit softness, clear in backlight, relaxing tone, sweet child's face, distinct scenery, bright blue sky, romantic sunset glow, vivid sunset glow, glistening water, clear nightscape, cool night sky, warm glowing nightscape, artistic aightscape, glittering illuminations, handheld night shot, clear night portrait, soft image of a flower, appetizing food, cute dessert, freeze animal motion, clear sports shot, monochrome, panorama.
Creative control modes	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. 60s - 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. 1/2 s - 1/16000 s. (Creative video M mode/MF mode).
Continuous shooting	[AFS] SH: 50 frames/sec*, H: 12 frames/s, M: 7 frames/s (with Live View), L: 2 frames/s (with Live View). (*Electronic shutter only).
Flash	Integrated flash.
Flash modes	Auto, Auto with pre-flash (red-eye reduction), Auto with slow sync and pre-flash, on, off.
Flash range	30 cm - 13.5 m (Wide/ISO Auto), 1.0 - 9.5 m (Tele/ISO Auto).
Self-timer	2 s/10/10 s (3 images).
Monitor	3,0"(7.5 cm) free-angle LC-Display (921K dots), AR coating, field of view: approx. 100%, wide viewing-angle.
Viewfinder	0,39" OLED electronic viewfinder, resolution: approx. 2,360,000 dots, aspect ratio: 4:3, with diopter adjustment ±4 diopters, magnification: approx. 1.88 x/0.7x (35 mm camera equivalent), eye sensor.
Microphone/speaker	Stereo/monoaural.
Memory cards	SD: 8 MB - 2 GB, SDHC: 4 GB - 32 GB, SDXC: 48 GB - 64 GB.
Interfaces	Micro HDMI, AV output, USB (AV/USB multi), 2.5 mm for remote, 3.5 mm for external microphone. WiFi: IEEE 802.11b/g/n/2412 MHz - 2462 MHz (1-11 ch)/WPA/WPA2/Infrastruktur mode/WPS/Wi-Fi button. NFC: ISO/IEC 18092, NFC-F (passive mode).
Operating temperature/humidity	0 - 40° C/10 - 80%.
Rechargeable lithium-ion battery	
Voltage/capacity	7.2 V/1200 mAh (360 images, CIPA standard).
Dimensions (W × H × D)	137 × 98,5 × 130,7mm.
Weight	830 g (with battery).
Printer compatibility	PictBridge, DPOF.
Scope of delivery	Digital camera, battery, battery charger, USB cable, neck strap, lens cap with string, lens hood, hot shoe cover, instructions, CD with instructions, guarantee card.
Software	Adobe® Photoshop® Lightroom® (free license).