



LEICA V-LUX 20

Technical Data.



Product	Leica V-Lux 20
Order No.	18390 (E version)/18391 (U version)
Lens	Leica DC-Vario-Elmar 4.1-49.2 mm f/3.3-4.9 ASPH. (corresponds to 25-300 mm, 35 equivalent focal lengths) 10 elements in 8 groups (3 aspherical surfaces)
Zoom	
optical	12x
digital	4x/23.4x with "extra optical zoom"
Focusing	
Modes	Normal/Macro, Macro Zoom, Pre-focusing (On/Off), Continuous focusing (On/Off), AF-tracking
Metering modes	Face detection/AF tracking/11 field/1 field high speed/1 field/Spot
Focusing range	
P/A/S/M	50 cm/1' 7 11/16" (Wide-angle)/2 m/6' 6 3/4" (Tele) -∞
Macro/Intelligent Auto/Movie	3 cm/1' 3/16" (Wide-angle)/1 m/3' 3 3/8" (Tele) -∞ (5x-8x corresponds to 2 m/6' 6 3/4" -∞)
Scene modes	May differ from the ranges above
Sensor	1/2.33" CCD with 14.5 MP (effective: 12.1 MP)
Resolution	
Still pictures	4:3 format (max. 12 MP): 4000 x 3000 pixels (12 MP)/3264 x 2448 pixels (8 MP)/2560 x 1920 pixels (5 MP)/ 2048 x 1536 pixels (3 MP)/640 x 480 pixels (0.3 MP) 3:2 format (max. 11.5 MP): 4176 x 2784 pixels (11.5 MP)/3392 x 2264 pixels (7.5 MP)/2656 x 1768 pixels (4.5 MP)/ 2048 x 1360 pixels (2.5 MP)/640 x 424 pixels (0.3 MP) 16:9 format (max. 10.5 MP): 4320 x 2432 pixels (10.5 MP)/3552 x 2000 pixels (7 MP)/2784 x 1568 pixels (4.5 MP)/ 1920 x 1080 pixels (2 MP)/640 x 360 pixels (0.2 MP)
Movies	4:3 format VGA: 640 x 480 pixels, 30 fps (Motion JPEG); QVGA: 320 x 240 pixels, 30 fps (Motion JPEG) 16:9 format WVGA: 848 x 480 pixels, 30 fps (Motion JPEG); HD recording: 1280 x 720 pixels 60 fps (QuickTime Motion JPEG)
Recording file format	
Still pictures	JPEG (based on Exif 2.21 standard)/DPOF-compatible
Still pictures with sound	JPEG (based on Exif 2.21 standard) + QuickTime
Movies	QuickTime Motion JPEG
Exposure control	
Exposure modes	Program mode (P), Aperture priority (A), Speed priority (S), Manual setting (M)/Snapshot/Custom/Scene/Movie/ Clipboard
Exposure compensation	Increments: 1/3 EV steps, setting range: ±2 EV
Scene modes	Portrait, Soft Skin, Transform, Self Portrait, Scenery, Panorama Assist, Sports, Night Portrait, Night Scenery, Food, Party, Candlelight, Baby 1, Baby 2, Pet, Sunset, High Sens., High-Speed Burst, Flash Burst, Starry Sky, Fireworks, Beach, Snow, Aerial Photo, Pin Hole, Film Grain, High Dynamic (Standard, Artistic, B/W), Photo Frame
Metering modes	Multi-field/Center-weighted/Spot
White balance	Auto/Daylight/Cloudy/Shadow/Tungsten/Manual setting
Sensitivity	Auto/80/100/200/400/800/1600
Shutter speeds	60 s-1/2000 s, (Starry Sky mode: 15 s/30 s/60 s)

Continuous shooting mode

Series frequency **Slow:** Frequency 2.3 fps; **Fast:** approx. 10/6 fps (Release-/Shutter Priority)

Number of recordable pictures **Slow:** max. 5/3 (Standard/Fine); **Fast:** approx. 15 using the internal memory, immediately after formatting/max. 100 using a memory card (differs depending on card used and settings; 4:3: 3 MP, 3:2: 2.5 MP, 16:9: 2 MP)

Flash

Modes Auto, Auto with pre-flash (to reduce red-eye effect), Auto with slower shutter speeds and pre-flash, On, Off

Range (with ISO AUTO and maximum Wide-angle setting) approx. 60 cm/1' 11 5/8"–5,3 m/17' 4"

Self-Timer 2/10 s delay

Monitor 3.0" TFT-LCD, approx. 460,800 pixels, Field of view: approx. 100%, automatic brightness adjustment

GPS Registration of geographical data: Latitude and longitude of the taken pictures, Display of Country/Region, State/Province/County, City/Town, Landmark; Reception frequency: 1575.42 MHz (C/A code), Geographical coordinate system: WGS84

Microphone/Speaker Stereo/mono

Recording media

Internal memory approx. 15 MB

Memory cards SD/SDHC/SDXC

Interfaces

HDMI Mini-HDMI cable (type C)

AV OUT/DIGITAL: Digital: USB 2.0 (High-Speed)
Dedicated jack (14-pin) Analogue Video/Audio: NTSC/PAL FBAS (switchable in menu), Audio line out (Stereo)

Printer compatibility PictBridge

Operating temperature/humidity 0–40°C/32–104°F/10–80%

Battery (Lithium-Ion)

Voltage/capacity 3.6 V/895 mAh (300 pictures according to CIPA standards)

Dimensions (W x H x D) approx. 103 x 62 x 33 mm/4 1/16 x 2 7/16 x 1 9/32"

Weight approx. 218 g (with Memory card and battery)

Scope of delivery Camera, Battery charger (Leica BC-DC 7), Lithium-Ion Battery (Leica BP-DC 7), Battery case, Wrist strap, AV cable, USB cable, Software DVD, CD with long instructions (PDF)
