



# LEICA D-LUX 8

## Technical Data.



Designation	Leica D-Lux 8																		
Camera type	Digital compact camera																		
Type No.	3952A																		
Order No.	19191																		
Buffer memory	DNG™: 14 or higher*, JPG: 100 or higher*																		
	<table border="1"><thead><tr><th></th><th>DNG</th><th>DNG + JPG</th><th>JPG</th></tr></thead><tbody><tr><td>11fps</td><td>12</td><td>12</td><td>100</td></tr><tr><td>7fps</td><td>13</td><td>13</td><td>100</td></tr><tr><td>2fps</td><td>23</td><td>14</td><td>100</td></tr></tbody></table>		DNG	DNG + JPG	JPG	11fps	12	12	100	7fps	13	13	100	2fps	23	14	100		
	DNG	DNG + JPG	JPG																
11fps	12	12	100																
7fps	13	13	100																
2fps	23	14	100																
	*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-I/UHS Speed Class 3, SD-(≤2GB)/SDHC (≤32GB)-/SDXC (≤128GB) memory card																		
Material	Full metal housing: magnesium die-cast, leatherette covering																		
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																		
Dimensions																			
Weight	Approx. 397 g/357 g (with/without battery)																		



# LEICA D-LUX 8

## Sensor

Sensor size	4/3" CMOS sensor, 21.77 MP/17 MP (total/effective)
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Filter	RGB color filter, UV/IR filter
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File formats	Photo: DNG™ (raw data), DNG + JPG, JPG (DCF 2.0, Exif 2.31) Video: MP4, H.264, AAC stereo
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Image resolution	Aspect ratio			Resolution		
	DNG™	M-JPG	S-JPG	16:9	3:2	4:3
Image resolution	DNG™	16:9	16:9	5152 x 2904 (15 MP)	4928 x 3288 (16.2 MP)	4736 x 3552 (16.8 MP)
		3:2	3:2	3552 x 3552 (12.6 MP)	4736 x 3552 (16.8 MP)	4928 x 3288 (16.2 MP)
		4:3	4:3	4928 x 3288 (16.2 MP)	4736 x 3552 (16.8 MP)	5152 x 2904 (15 MP)
		1:1	1:1	3552 x 3552 (12.6 MP)	4736 x 3552 (16.8 MP)	4928 x 3288 (16.2 MP)
	L-JPG	16:9	16:9	5152 x 2904 (15 MP)	4928 x 3288 (16.2 MP)	4736 x 3552 (16.8 MP)
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		1:1	1:1	3552 x 3552 (12.6 MP)	4736 x 3552 (16.8 MP)	4928 x 3288 (16.2 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
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Color depth	DNG™: 12 bit JPG: 8 bit
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Color space	Photo: sRGB
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Video Resolution	Resolution	
	4K	3840 x 2160
	Full HD	1920 x 1080
	HD	1280 x 720

Video frame rate/bit rate	4K 30 p	29.97 fps	4K 4:2:0 / 8 bit	h.264	L-GOP	100 Mbps
	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

## Lens

Designation	Leica DC Vario-Summilux 1:1.7-2.8/10.9-34 ASPH., 35 mm equivalent: 24-75 mm, aperture range: 1.7-16/2.8-16 (at 10.9/34 mm)
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Lens filter thread	E43
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Image stabilization	Visual compensation system for photos and video recordings
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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
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## 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
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LCD panel	3" TFT LCD, approx. 1,843,200 dots, 384 ppi, aspect ratio 3:2, touch panel
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## Shutter

Shutter type	Mechanical central shutter or optional electronic shutter
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Shutter speeds	Mechanical shutter: 60 s to 1/4000 s Electronic shutter function: 1 s to 1/16000 s
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Shutter button	Two-stage (1st stage: Activation of the camera electronics including autofocus and exposure metering, 2nd stage: Taking the picture)
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Self-timer	Delay time: 2 s or 12 s
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# LEICA D-LUX 8

Drive Mode	Single, Interval Shooting, Exposure Bracketing									
Continuous shooting:	<ul style="list-style-type: none"><li>– Continuous Shooting - 2 fps, 12 bit, AF, Continuous Shooting - 7 fps, 10 bit,</li><li>– Continuous Shooting - 11 fps, 10 bit</li></ul>									
<b>Focusing</b>										
Focus range	50 cm to $\infty$ 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									
<b>Exposure</b>										
Exposure metering	TTL (exposure metering through the lens), with working aperture									
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	$\pm 3$ 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 $\pm 3$ EV									
ISO sensitivity range	<table border="1"><thead><tr><th></th><th>Photo</th><th>Video</th></tr></thead><tbody><tr><td>Auto ISO</td><td>ISO 100–ISO 25 000</td><td>ISO 100–ISO 6 400</td></tr><tr><td>Manual</td><td>ISO 100–ISO 25 000</td><td>ISO 100–ISO 6 400</td></tr></tbody></table>		Photo	Video	Auto ISO	ISO 100–ISO 25 000	ISO 100–ISO 6 400	Manual	ISO 100–ISO 25 000	ISO 100–ISO 6 400
	Photo	Video								
Auto ISO	ISO 100–ISO 25 000	ISO 100–ISO 6 400								
Manual	ISO 100–ISO 25 000	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)									
<b>Flash</b>										
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	$\leftarrow$ : 1/4000 s, slower shutter speeds available									
Flash exposure compensation	$\pm 3$ EV in $1/3$ EV increments									
<b>Equipment</b>										
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									



# LEICA D-LUX 8

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## 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)

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