



LEICA DIGILUX 3

The system camera for individualists

Product Information



Digital photography with a system benefit The LEICA DIGILUX 3 is the first Digilux camera with an interchangeable lens and thus forms the basis for the Leica D system, an entirely independent digital single-lens reflex system. The clear-cut lines of the housing and the operating concept of the Digilux 3 are consistent with the best Leica tradition has to offer. This means shutter speeds, focal length, aperture and focus can be set manually on the camera and the lens – fast, precise and creative handling in comparison with conventional digital single-lens reflex cameras. Virtually revolutionary is the interaction between the outstanding imaging performance typical of Leica and state-of-the-art technology : first-class picture quality is achieved thanks to the newly developed lens LEICA D VARIO-ELMARIT 14-50 mm f/2.8-3.5 ASPH. in combination with the latest optical image stabilization and the 7.5 megapixel Live-MOS sensor.

— **Classic yet innovative**

Leica stands for photographic tools that concentrate on the essentials and allow creative users to record their very own view of the world. The LEICA DIGILUX 3 consistently combines the latest digital technology with these traditional values: top picture quality, intuitive handling and appealing classic design.

— **Open to the future**

The LEICA DIGILUX 3 is equipped with a bayonet to the Four Thirds standard, the open standard for digital single-lens reflex cameras. Along with the camera the first-class lens LEICA D VARIO-ELMARIT 14-50 mm f/2.8-3.5 ASPH. forms the high-caliber basis of the Leica D system that will be supplemented by other interesting lenses in the future.

— **Everything in sight**

The LEICA DIGILUX 3 shows everything – when looking through the optical viewfinder or with the help of RealtimePreview. It simultaneously allows the user to evaluate the – complete scene in the display. The autofocus and image processing/storage of the LEICA DIGILUX 3 are not only very fast and but also extremely precise. So you won't miss important moments in life ever again – they can be viewed on the high-resolution 2.5" display in full brilliance.



LiveMOS sensor The Digilux 3 features completely new sensor technology : the LiveMOS sensor. This image sensor combines the benefits of CCD technology with the advantages of a CMOS sensor. The circuits in the LiveMOS sensor operate with a new activation system in which the image signals of each pixel can be read individually. This results in much lower power consumption than with a CCD. At the same time the number of activations is reduced from 3 (for conventional CMOS sensors) to 2. This has allowed the light-sensitive area of each pixel to be increased, bringing about a clear improvement in picture quality. The result of these innovations is a sensor with the picture quality of a CCD sensor and the low power consumption of a CMOS sensor. This means pictures with balanced gradation, very fine structures und natural-looking colors with a long-lasting battery.

Dust protection filter Dust is a major problem with digital SLR photography. Dirt particles can easily get onto the sensor when changing lenses, often disrupting the imaging results irreparably. The LEICA DIGILUX 3 solves this problem with sophisticated technology. A filter has now been developed, positioned in front of the image sensor between the low pass filter and shutter. Whenever the camera is switched on, this protective filter receives an ultrasonic pulse with a vibration frequency of 30,000 Hz. This shakes off the dust particles on the protective filter. No dirt particles can get in due to the absolutely airtight seal of the space between the sensor and filter.



— The “analog” digital lens

The LEICA D VARIO-ELMARIT 14-50 mm f/2.8-3.5 ASPH. consists of 16 elements in twelve groups, including two aspherical lenses. This digital lens offers characteristics for which Leica’s analog interchangeable lenses have already received multiple awards : minute details and nuances are reproduced clearly, and even with very short focal lengths distortion and vignetting are minimal. Realistic color reproduction, in particular also for skin tones, ensures harmonious natural images. With the LEICA D VARIO ELMARIT 14-50 mm f/2.8-3.5 ASPH. and its wide aperture of f/2.8 and attractive focal length range of 28-100 mm (equivalent to 35 mm format) the scope for creativity is virtually unlimited.

— Razor-sharp images

A true premiere : For the first time Leica is offering a D lens combining first-class optical imaging performance with the latest optical image stabilization. It’s in your hands : If you want to avoid picture shake, you can switch on the image stabilizer (O.I.S.) at any time. It is incorporated in the lens, prevents blurred images and offers reliability in all situations – at twilight, indoors, for quick snapshots or in the zoom range. You can always rely on the image stabilizer even when using a tripod.



Leica lens The imaging performance of Leica’s world-famous lenses has always set standards in photography. The D system combines this performance with the latest technology such as image stabilization and fast precise autofocus. The Leica D lens offers superb contrast characteristics up to the 2.8 open aperture setting. The values for distortion, color errors and vignetting are minimal into the wide angle range. One impressive feature essential to creative photography is the low depth of field at open aperture. All these capabilities make the LEICA D VARIO-ELMARIT a top-class photographic tool for universal usage.

Image stabilization The LEICA D VARIO-ELMARIT is the first Leica D lens to feature integrated image stabilization technology MEGA O.I.S. A slip of the hand is often the reason for blurred or shaky pictures. MEGA O.I.S. compensates for these natural movements, so helping you to take sharply focused and brilliant shots. In line with the increased requirements in SLR photography, the Leica D lens has its own integrated image processor. With this technological module the data delivered by the movement detector 4000 times a second can be utilized for the effective reduction of blur due to shake. The image stabilization system offers 2 different modes: mode 1 also activates image stabilization with image preview (both in the viewfinder as well as on the LCD monitor), so enabling shake-free composition. In mode 2 image stabilization is only activated when the shot itself is taken, so operating with maximum performance capability. You can decide at any time which mode you want to use in what situation.

Technical Data

Camera	LEICA DIGILUX 3
Image type/format	Digital single-lens reflex system camera with interchangeable lenses complying with Four Thirds standard.
File formats	RAW, JPEG (based on Exif 2.21 standard), DPOF
Aspect ratio	4:3, 3:2, 16:9 (3:2, 16:9 only in RealtimePreview mode)
Image sensor	LiveMOS sensor size : 17.3 x 13.0 mm with pixels 7.9 million total pixels and 7.5 million effective pixels. Aspect ratio 4:3 (horizontal : vertical). Color filter RGB primary color filter. Dust reduction system ultrasonic protective filter.
Image sizes	4:3 format 3136 x 2352 pixels, 2560 x 1920 pixels, 2048 x 1536 pixels, 3:2 format 3136 x 2080 pixels, 2560 x 1712 pixels, 2048 x 1360 pixels, 16:9 format 3136 x 1760 pixels, 1920 x 1080 pixels.
Viewfinder	optical
Color display	2.5" TFT LCD monitor with 207,000 pixels, image field approx. 100% in RealtimePreview mode, depth of field controlled via depth of field lever (only with RealtimePreview via monitor). Menu languages German, English, French, Italian, Spanish, Polish, Czech, Hungarian, Japanese.
ISO speeds	Auto / 100 / 200 / 400 / 800 / 1600
Color space	sRGB, Adobe RGB
Lens	LEICA D VARIO-ELMARIT 14–50 mm f/2.8–3.5 ASPH.
Lens bayonet	Four Thirds bayonet
Close-up limit	29 cm (11.42 in) over entire focal length range.
Extended optical zoom	max. 1.5x (with reduced resolution)
Digital zoom	2 x/4 x (only in RealtimePreview mode)
Storage medium	SD memory card, SDHC memory card, multimedia card.
Reproduction modes	Single / 9 or 25 thumbnails / calendar zoom (16 x max.) / image rotation (not for RAW) / Slide show (duration adjustable, also manual control possible) / favorites function / resizing (number of pixels selectable) / trimming / protection / aspect conversion / DPOF print settings.
RealtimePreview	Monitor viewfinder image shows picture, exposure (with histogram) and white balance before picture-taking.
Shutter	Slotted shutter, shutter speed 1/4000–60, bulb (up to approx. 8 minutes). Automatic self-timer 10 s/2 s. Remote shutter release with remote cable shutter release CR-DC1 (optional).
Exposure	Exposure control Program automatic, aperture automatic, time automatic and manual setting. Metering TTL open aperture metering: 49-zone (with optical viewfinder), 256-zone (in RealtimePreview mode). Metered value storage AFL / AEL button or shutter button pressed halfway in AFS mode. Exposure compensation ±2 EV in 1/3 EV stages. Automatic exposure series 3 or 5 pictures, ±2 EV in 1/3–1 EV stage.
Frame rate	2 or 3 i/s
Exposure series	6 images (RAW format), unlimited (other formats, depending on memory card, picture resolution, Image compression, battery performance).
Flash	Integral flash unit LZ 10 (ISO 100, m) pop-up direct/indirect, off, auto, daylight fill-in flash; SLOW sync choice between red-eye reduction. TTL flash metering control. X-sync times 1/160 s and longer. Exposure compensation ±2 EV in 1/3 EV stages. Synchronization choice between 1st or 2nd curtain. Flash shoe system connection for external flash units.
White balance	Options auto/daylight/cloudy skies/shadow/ halogen/flash/Manual 1+2, color temperature setting. White balance fine tuning blue/amber bias; magenta/green bias. Color temperature adjustment range 2500 K to 10000 K in 31 steps.
Protection/erase	Protection single/multiple, reset. Erase single/multiple/all.
Immediate printing	Image printing PictBridge (print size, layout, date setting selectable).
Connections	Digital USB 2.0 (high-speed). Analog (video/TV) NTSC / PAL Composite (switchable).
Work conditions	Operating temperature 0° C to 40° C (32 F to 104 F). Air humidity 10% to 80%.
Power supply	Battery Li-ion battery pack (7.2 V, 1,500 mAh) (supplied). Power supply unit/charger input 110–240 V AC (supplied). Battery capacity approx. 450 images (CIPA standard).
Dimensions (W x H x D)	145.8 x 86.9 x 80 mm (5.7 x 3.4 x 3.1 inch)
Weight	approx. 530 g (18.7 oz) (housing)
Scope of supply	1 GB SD card, power supply unit/charger, battery pack, eyepiece cover, housing cover, video cable, USB cable, power cord, carrying strap, CD-ROM with software Adobe Photoshop Elements 4.0 (WIN) and 3.0 (MAC), Quick Time.
Accessories	
Camera cases	Neoprencase for LEICA DIGILUX 3 + lens LEICA D VARIO-ELMARIT 14-50 mm f/2.8-3.5 ASPH. Order No. 18665 Combicase "Made by Billingham" black Order No. 14854 , khaki Order No. 14855
Lithium-Ion-Battery	LEICA BP-DC3 (as spare)
Adapter	Adapter for attaching Leica R lenses to 4/3"-mount cameras Order No. 18628
Tripod	Tabletop tripod Order No. 14100 , Ball-and-socket head for tabletop tripod Order No. 14110
Filter	UVa Filter E55 Order No. 18670 , Circular Polarizer E55 Order No. 18671
Cable release	Electric Cord Release CR-DC1 Order No. 18626