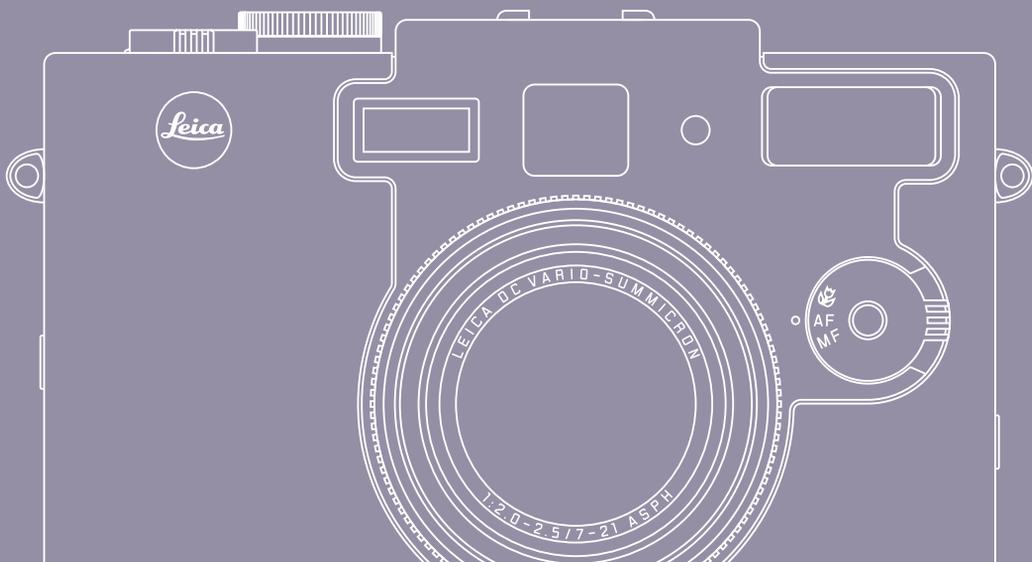




LEICA DIGILUX 1

The digital reportage camera





Classic values, new opportunities What does the LEICA DIGILUX 1 have in common with the LEICA I of 1925 ? With its outstanding optical quality, high speed and mobility, the first Leica soon became a successful reportage camera and it paved the way for the enormous growth of 35 mm photography. Outstanding optical quality, high speed and mobility are also the characteristics of the digital reportage camera LEICA DIGILUX 1. The result of intensive technological cooperation with Panasonic, it combines modern digital technology with the optical know-how of Leica. Classic elements of design and operating convenience make the LEICA DIGILUX 1 a synthesis of experience and innovation. It is an extraordinary, fast and easy-to-use digital camera with outstanding imaging quality that gives photographers a great many new creative possibilities. And that, above all and in every respect, makes it a typical Leica.

“The LEICA DIGILUX 1 made me appreciate one of the great advantages of digital photography – one can refine a photograph immediately, on site, and if necessary improve it. The unusually large monitor display that shows the pictures with great clarity is especially useful for this purpose.”

Horst A. Friedrichs, photographer



Scale 1:1

“The LEICA DIGILUX 1 is the result of intensive cooperation between Leica Camera AG and Panasonic. Our teams of engineers worked together very successfully. To me, the camera is proof of the fact that the two partners complement one another extremely well.” Ralf Coenen, Chief Operating Officer, Leica Camera AG

The LEICA DIGILUX 1 at a glance

— Photograph creatively

Numerous manual setting choices for individual creative freedom. Optional TIFF format for the highest image quality without compression losses. High-grade ACDSee and Adobe Photoshop Elements software is included.



— Handling : Very easy

Many familiar operating elements and functions adopted from analog cameras. Easy to use, even for photographers who are using a digital camera for the very first time.

— Mobility included

Memory card with exceptionally high capacity : 64 MB, approx. 32 pictures in the best JPEG quality or approx. 484 pictures at lowest resolution. Low power consumption. Powerful lithium-ion battery. Active readiness time : Up to 3 hours.



— Work faster

Very short shutter lag for snapshots. Fast storing time. Exceptionally quick signal processing. Exposure sequences of up to 8 pictures at a rate of approximately 4 images per second.

— Everything in view

Unusually large LC display (2.5") with the very high resolution of 205,000 pixels for optimal picture evaluation and manual focusing. An attachable monitor hood for the monitor display permits working in daylight and protects against scratches. Large optical viewfinder with diopter compensation.

— Impressive image quality

Perfect harmony between lens, sensor, electronics and software. Exposure control and metering adapted from classic analog photography. High-speed aspherical Leica lens with 3x optical zoom. The result : Outstanding image sharpness, natural color rendition and impressive dynamics.



Every detail matters High pixel quantities alone are not the decisive factors in the performance capability of a digital camera. With the LEICA DIGILUX 1 the high potential is optimally translated into outstanding pictorial results.

Harmonized : The components In the LEICA DIGILUX 1, lens, sensor, electronics and software are a harmonious team. Because outstanding image quality can only be achieved by means of the optimal interplay of all components. Towards this end, the lens was tailored specifically to the 4-megapixel sensor in order to make full use of the optical and electronic capabilities. Recording and processing the image data were optimized for the best pictorial effect. This is where the high quality standards and great photographic know-how of Leica are decisive factors. The result is a highly refined digital camera that can master most any photographic situation.

High speed : The Leica lens The LEICA DC VARIO-SUMMICRON 7-21 mm f/2-2.5 ASPH. 3 x zoom lens, which is equivalent to a 33-100 mm zoom lens on a 35 mm camera, was designed specifically for the sensor of the LEICA DIGILUX 1 and it is equipped with a ring for manual focusing. As a result, it delivers outstanding pictorial results - in the close-up range too, by the way - in full accordance with the renowned high Leica standards.



Essential : A large display In order to evaluate a picture effectively, one must be able to see it well. That is why the 2.5" LC display on the LEICA DIGILUX 1 is 50 to 90 % larger than those on comparable digital cameras. Its size is ideal for meticulous picture evaluation. Another plus : The very high resolution of 205,000 pixels, which also makes manual focusing much easier. The attachable monitor hood makes good picture evaluation possible even in daylight. For those photographers who prefer to work without using the LC display, an outstanding optical viewfinder with diopter compensation has also been incorporated.

Variable : The exposure Five different alternatives for exposure control are available on the LEICA DIGILUX 1. Fully automatic mode, programmed automatic mode, aperture priority, speed priority and a setting for manual mode. These modes, familiar and proven in classic photography, were adapted to make creative photography possible with the digital technique. Different options of exposure metering and focus- and exposure lock are available. There is more : a contact for connecting an external flash unit - the built-in flash has a metric guide number of 10 (33 for distances measured in feet) - expands the possibilities of individual photographic creativity.



Comparison of display sizes



Remarkable : The extreme quickness When speed is of the essence - and this is particularly important in reportage photography - the LEICA DIGILUX 1 is virtually unbeatable. Its minimal exposure delay makes spontaneous snapshots possible, the extremely short time needed for image storage and its decidedly fast signal processing ensure virtually continuous readiness. Sequences of approx. 4 pictures per second at the best JPEG quality or approx. 8 pictures in 2 seconds at a higher compression rate are possible. In addition, its high-speed data transfer capability allows video recordings with sound, whose lengths are limited only by the capacity of the storage card (for instance : 6 minutes with the 64 MB memory card).

High resolution : 4 million pixels With its 4 million pixels, the sensor of the LEICA DIGILUX 1 renders extremely fine details with the very best quality. That is not a matter of course, because the more pixels are contained in a sensor, the lower the amount of light that is available for each pixel. The LEICA DIGILUX 1 utilizes the available light as efficiently as possible : for great detail fidelity, remarkable sharpness, natural color rendition, and high dynamics.

approx. 4 pictures per second



Flexible : Constant readiness The LEICA DIGILUX 1 provides flexibility and independence. The SD memory card supplied with it has an unusually high capacity of 64 MB that can store 32 images with the highest resolution and lowest compression or up to 484 pictures with low resolution at the highest compression. With the monitor display switched on, its very low power consumption allows readiness for approximately 2 hours or, with the monitor display turned off, for approximately 3 hours. Another feature is the powerful lithium-ion battery and the charger that is supplied with it. The battery charger (AC Adapter) can be connected to an electrical outlet, enabling the LEICA DIGILUX 1 to achieve full readiness in just about 2 hours. That makes Digilux photographers independent and mobile at all times.



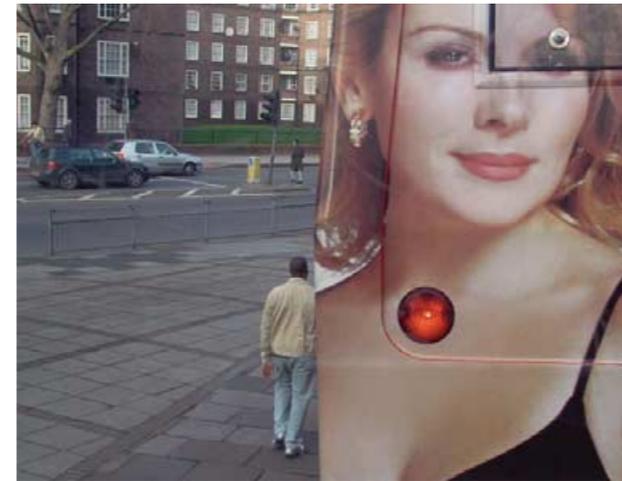
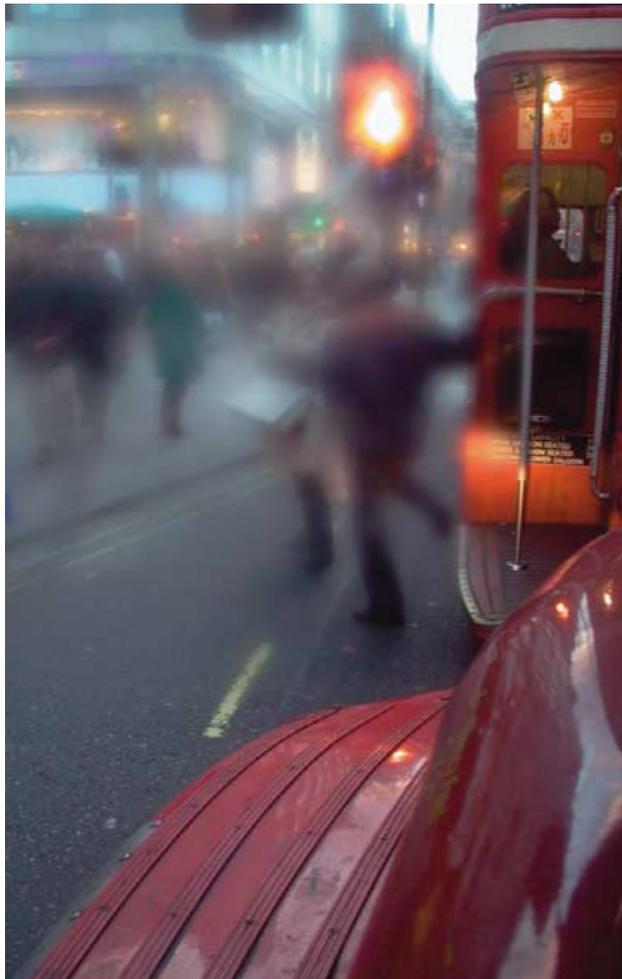
Clear : The modular design Straight lines and concentration on the essentials lead to formal independence : The styling of the LEICA DIGILUX 1 is reminiscent of the clean layout of the legendary Leica rangefinder cameras. The robust yet very lightweight die-cast magnesium body and the classic operating elements accentuate its timeless styling, which was developed by professor Achim Heine.

Get closer with a spotting scope Especially hunters, birdwatchers and astronomers enjoy using Leica spotting scopes. The unique Digital Adapter makes it possible to record the observed scenes conveniently and with high quality. For this purpose, the LEICA DIGILUX 1 is attached to the spotting scope by means of the zoom eyepiece. The large monitor display permits an excellent evaluation of the telephoto images.



Unusual : The delivery scope The LEICA DIGILUX 1 is supplied as a complete set with a variety of high-grade accessories. An unusually powerful lithium-ion battery, a high-performance battery charger (AC Adapter) that can be connected to an electrical outlet, a memory card with a greater-than-average 64 MB capacity and the two programs (ACDSee and Adobe Photoshop Elements) that are supplied with it for subsequent creative image manipulation constitute an extraordinary delivery scope.

The 35-year old photographer of Frankfurt, Germany became known internationally for his reportage work for Stern and Spiegel magazines, the New York Times, and for advertising campaigns and books. He works primarily with the LEICA M6. He cruised the streets of his adopted home city of London to create the essay shown here, for which he used his LEICA DIGILUX 1 to capture surprising perspectives of the traditional “Routemaster” double-decker bus.



Technical Data / Accessories



Camera	LEICA DIGILUX 1
File formats	TIFF, JPEG (low compression FINE and high compression STANDARD), Motion-JPEG
Storage media	SD-Memory Card and MultiMediaCard (Camera is supplied with a 64 MB SD-Memory Card)
Color display	2.5" Color TFT-LC display with approximately 205,000 pixels
Viewfinder	Optical real image viewfinder with zoom function and diopter compensation ; magnification : 0.33x-0.90x
Image sensor	1/1.76" CCD sensor with 4 million total pixels, 3.9 million effective pixels
Sensitivity	AUTO, ISO 100, 200, 400
Image sizes	2,240 x 1,680, 1,600 x 1,200, 1,120 x 840, 640 x 480, 320 x 240 for video sequences
Capacity on a 64 MB card	JPEG approx. 32-484 images, TIFF approx. 5-59 images
Lens	LEICA DC VARIO-SUMMICRON 7-21 mm f/2-2.5 ASPH. (corresponds to a 33-100 mm zoom lens on a 35 mm camera)
Near focus range	30 cm / 12 in in the Macro mode ; 6 cm (2 3/8 in) with the wide-angle setting ; 20 cm (7 7/8 in) with the Telephoto setting
Digital zoom	Maximum is 2x (variable)
Exposure control	Fully automatic (AUTO), Program (P), Aperture-priority (A), Shutter-speed-priority (T), Manual exposure setting (m)
Shutter speeds	8 s-1/1000 s
Exposure metering modes	Multi-field, integral, selective
Auto exposure- and focus lock	Activated by gentle pressure on the shutter release button
Exposure compensation	± 2 EV in 1/4 EV steps
Focus and exposure bracketing	3 or 5 images per series
Continuous shooting	3.8 images/second ; max. 4 images in series in FINE, max. 8 images in series in STANDARD setting
Flash	Guide number 10 (metric)/33 (feet) ; Range : Wide-angle setting approx. 4.5 m (15 ft) ; Telephoto setting approx. 3.5 m (11 1/2 ft) (all values apply to ISO 100)
Flash functions	Automatic flash activation ; flash on ; flash off ; pre-flash for red-eye reduction ; slow synchronization ; synchronization at the second curtain ; hot shoe with contact for use with external flash units
Flash exposure compensation	± 2 EV in 1/4 EV steps
White balance	Automatic, manual, pre-settings (daylight, overcast sky, incandescent light, fluorescent light, flash)
Selftimer	Electronic, choice of 2 s or 10 s delay times
Connections	USB 1.1 ; DC IN ; A/V output PAL/NTSC selectable
Tripod socket	DIN 4503 A 1/4"
Other functions	Video recording (approx. 6 min on a 64 MB memory card) ; 5 s sound recording for every picture ; sound recording and reproduction via built-in microphone and built-in loudspeaker ; posthumous sound recording for pictures (10 s)
Compatibility	EPSON Print Image System (PIM) ; Digital Print Order Format (DPOF) ; MacOS 9.x-MacOS X ; Windows 98/ME/2000/XP ; Windows NT and Windows 95 without USB
Power supply	Lithium-ion rechargeable battery 1400 mAh, 7.2 V or external electrical mains connector/battery charger (included) ; charging time in the camera : approx. 2 hours
Operating conditions	Temperature : 0 °C to 40 °C/32 °F to 104 °F, relative humidity : 10% to 80%
Dimensions (W x H x D)	127 x 83.3 x 67.4 mm (approx. 5 x 2 1/4 x 2 5/8 in)
Weight	approx. 365 g/less than 13 oz without battery, approx. 455 g/16 oz with battery
Delivery Scope	Electrical mains connector/battery charger, lithium-ion rechargeable battery 1400 mAh, 7.2 V, SD memory card 64 MB, hood for the LC display, A/V cable, USB cable, carrying strap, Adobe Photoshop Elements 1.0 (Windows/Mac), ACDSee 3.1/3.11 (Windows)/ACDSee 1.6 (Mac), Apple QuickTime 5 (Windows/Mac), USB driver
Accessories	
Camera case	Black, Order No. 18 611
Filter holder for E49 filters	Order No. 18 609
Digital Adapter	for attaching the LEICA DIGILUX 1 to Leica spotting scopes, Order No. 42 302
Lithium-ion battery	LEICA BP-DC1 (1400 mAh, 7.2 V)
Mini-tripod	Order No. 14 320
Table tripod	Order No. 14 100
Ball-and-socket head	for the table tripod, Order No. 14 110

“The camera is quick and easy to operate – especially when I need to react spontaneously. I can confidently evaluate the result on the large monitor display while still on location. I like to use my LEICA M6 to take pictures under difficult light conditions, on rainy days or at night. I used the LEICA DIGILUX 1 under the very same conditions in London – with astoundingly good results.” Horst A. Friedrichs



my point of view

Leica Camera AG / Oskar-Barnack-Straße 11 / D-35606 Solms
www.leica-camera.com / info@leica-camera.com
Telephone +49(0)6442-208-0 / Fax +49(0)6442-208-333

Trademark of the Leica Camera Group / "Leica" and product names = ® Registered trademarks / © 2002 Leica Camera AG / All rights to change construction, design and range reserved
Concept and Design : Heine/Lenz/Zizka, Frankfurt am Main / Image Indication : Product photography : Tom Vack / Author's photography : Horst A. Friedrichs / Brochure order number : 91033 / 02/02/FZ/B/

