



Leica DC160

High resolution Leica camera with versatile microscope adapter

Up-to-the minute design and innovative technology

The Leica DC160 camera system combines the best elements of micro and macro photography. The powerful 10.4 megapixel Leica Digital Camera, encased in a stylish black exterior, encompasses the most up-to-the-minute digital features. The precise 4x optical zoom, and high resolution functionality provides clear and vibrant images which maintain full detail of the original image with extreme clarity and at all focal ranges. With a choice of 3 picture formats you can take stunning shots with optimum image quality. With features such as optical image stabilization technology (O.I.S.) and the ability to capture images in wide-angle or telephoto range, the DC160 is truly a first class camera for all your needs.

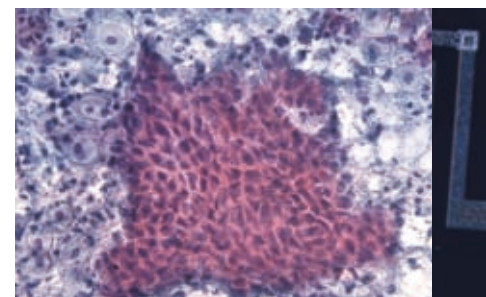
The Leica DC160 is simply and securely connected via the camera adapter to a microscope, stereomicroscope or macroscope. This adapter can be attached to a C-Mount interface or directly to a binocular tube. Small and elegant with brilliant color reproduction and ultra fast processing times makes this an outstanding camera with distinguished expertise.

Feature highlights

- 10.4 megapixel resolution
- O.I.S optical stabilization technology
- Compact, optical 4x wide-angle zoom, with 4x digital zoom
- Intelligent autofocus with automatic or manually selectable measuring points
- 9 measuring methods for precise exposures
- 14 exposure programs for photography
- 100, 200, 400, 800 or 1600 ISO automatically or manually selectable
- Noise suppression at long exposure times
- Automatic or manual white balance for individual calibration of the ambient light
- Shutter times: 1/2000 – 60 seconds
- Large 2.8 inch TFT color display monitor in 16:9 format with 207'000 pixels
- Magnifying function (6x), live picture, histogram indicator
- Movie capture with sound limited only by memory space
- Stable and simple installation on nearly every microscope, stereomicroscope and macroscope
- Easily attached to binocular tube or to a C-Mount interface



Leica D-Lux digital camera attached to Leica camera adapter



High resolution capabilities on a digital camera is the basic prerequisite for detailed and brilliant pictures. This poses no problem for the Leica DC160. The new 10.4 megapixel CCD sensor offers you the highest possible resolution of 4224 x 2376 pixels. Simple to select between two HDTV formats in case the images are viewed directly on HDTV devices. A wide choice of resolutions are provided so that you can choose the one that's right for you. The specially developed 2.8" TFT color display in 16:9 format and with 207'000 pixels, provides sharp and crisp images even when used under intricate photographic conditions. Choose between cool, warm, B/W or sepia depending on the desired effect. It is also possible to equalise the variable white balance according to the color temperature in the given light situation – either automatically in 7 preset white balance settings or in two manual adjustable white balance settings. The camera allows to activate the white balance settings easily with the menu button.

Extensive photographic control

Several photographic control functions offer numerous options for image creation. The Leica DC160 can be controlled fully automatically, semi-automatically (time-controlled and automatic diaphragm) or manually. The shutter time ranges from 1/2000 to 60 seconds. The ambitious photographer is thus armed for every photographic situation, even in difficult light conditions. The magnifying function (4x) and the histogram indicator enables the sharpness and contrast of the pictures to be examined in detail.

Precision optics designed by Leica

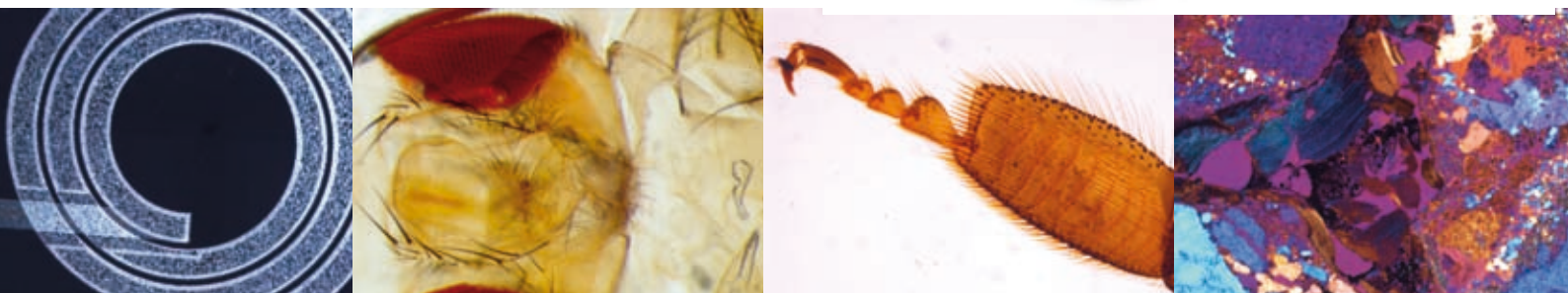
The powerful zoom range supplied by the 6.3–25.2mm zoom lens is equivalent to that of a 28 – 112mm SLR camera. Leica DC160 also offers AF operating modes with a choice between 9 measuring methods for precise exposures. The sophisticated and high quality Leica lens allows you to take stunning shots time and time again.

Creative macrophotos and video sequences

The Leica DC160 can also be used to document a series of objects under microscopic examination, such as components undergoing quality control, biological preparations or forensic material. It records video sequences of 1280 x 720 pixels with 15 fps, limited only by the size of the memory card. The camera offers a logical menu structure on the 2.5 inch LCD monitor, minimal operation buttons and a thumbwheel for quick settings. The Leica DC150 proves exceptionally versatile when setting the exposure as it can operate in automatic mode or with numerous application-dependent programs.



Leica SE4 stereomicroscope with DC160 camera system



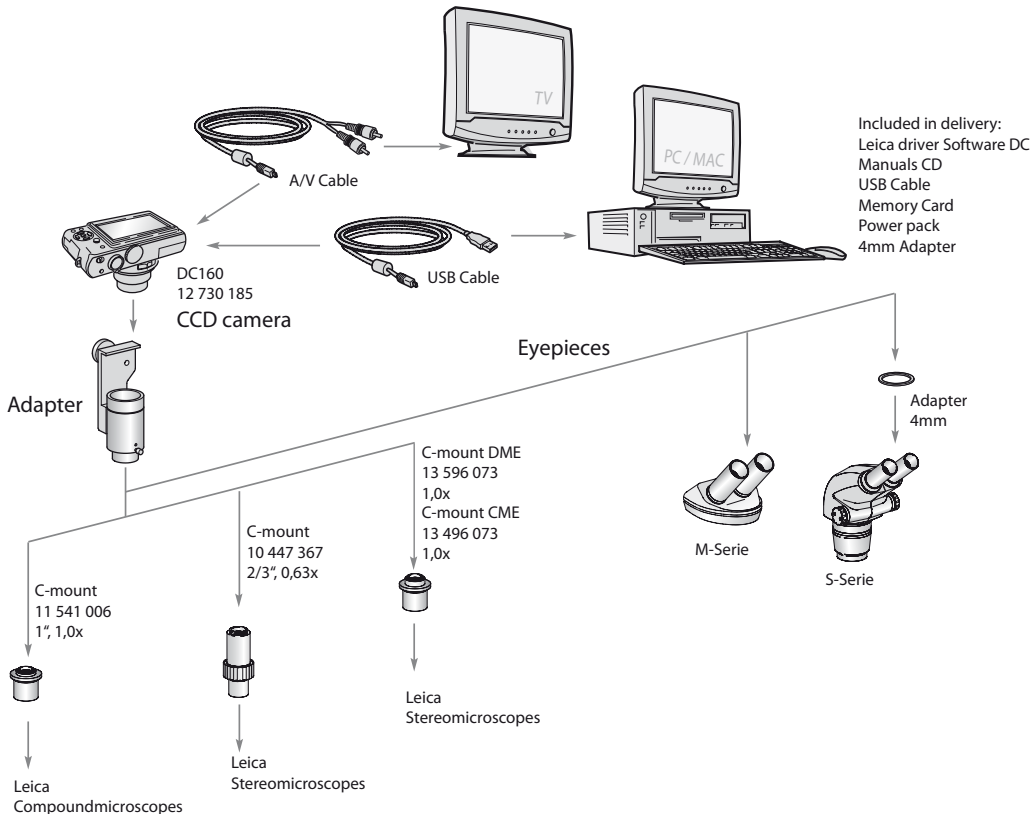
Technical Data for Leica DC160

Digital camera	Leica DC160
Case/ Size	Black/ 105.7mm x 58.3mm x 25.6mm (W x H x D)
Weight	220g (camera only)
Exposure time	1/2000 – 60 seconds, from 1.3 seconds with noise suppression
Live picture	Color, in real time on LCD display
Sensor	CCD sensor 1/1.65" CCD chip with 10.4 megapixels
Optical viewfinder	2.8" TFT color LCD display monitor with 207000 pixels
Data format	JPEG or RAW, AVI for video, movie quick time motion Jpeg
White balance/focus	Automatic/ manual
Sensitivity	ISO 100/200/400, 800, 1600 (automatic/manual)
Lens	4x optical, 4x digital zoom, combined approx 16x
Operating systems	Windows™ XP/Vista, Macintosh™ OSX
Interfaces Compatibility	USB 2.0 for Windows™ and Macintosh™ systems/direct print mode (DPM)
Data transfer	PicBridge/digital print order format (DPOF)/video output
Video output	PAL/NTSC (switched), audio output
Alternative storage medium	64 MB SD card included, compatible with SD cards up to 4 GB
Other	Charger 100V–240V, output 7.4 – 8.4V direct voltage
Battery	Li-ion Akku NB-2L (570 mAh)
Operating conditions	temperature range 0 – 40°C , humidity 10 – 90%

Order number

12 730 185

Leica DC160 digital camera system with adapter for C-mount and camera software



www.leica-microsystems.com/products/DC160

Leica
MICROSYSTEMS

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