From Eye to Insight

Leica

MICROSYSTEMS

Digital Imaging Camera for Basic Imaging

GET YOUR BASICS RIGHT

With the Leica EC4

THE LEICA EC4 MICROSCOPE CAMERA FOR BASIC IMAGING

If you need a camera to document your samples every day, you will enjoy working with the Leica EC4 color camera. It is easy-to-use and produces excellent images for basic documentation. The Leica EC4 is an affordable digital color camera with a 3.3 megapixel CMOS sensor that offers fast, real-time imaging of up to 24 frames per second. Combining the Leica EC4 with a micropscope and the Leica EZ software creates a cost-effective solution for image annotation, calibration, and basic measurements. The user interface is intuitive, so that imaging takes less time than you are used to.
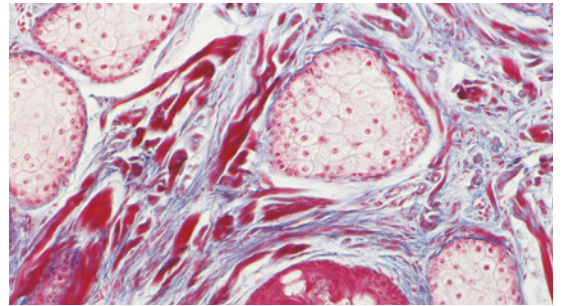
The real-time speed of the Leica EC4 allows you to adjust and focus an image directly on the computer screen. Live or captured images can be displayed in full-screen mode on a computer monitor to allow group discussion.

COST EFFECTIVE

The Leica EC4 offers the best price-performance ratio in the Leica microscope camera portfolio. It can be used with all microscopes that feature a C-mount imaging port.
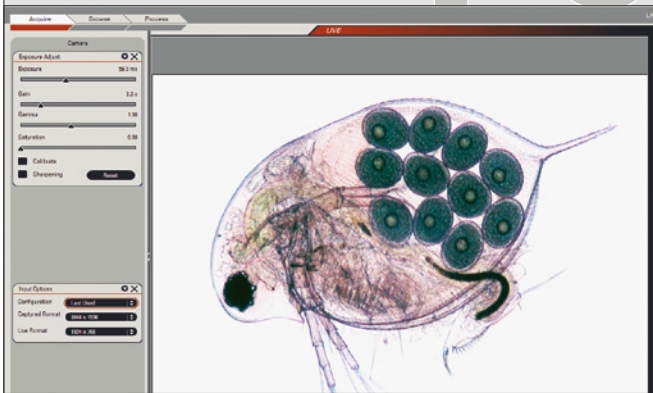
FEATURE HIGHLIGHTS

- Capture high-resolution color images of 3.3 megapixels.
- Powerful camera controls include shading correction and optional predefined illumination settings.
- Create high quality images for use in presentations, lab reports, and course related material.
- Images can be posted on websites or intranets for easy-sharing.
- Single camera cable connects to USB 2.0 port.
- Archive standard and unusual specimens.
- Easy connection to all C-mount- and video adapters.
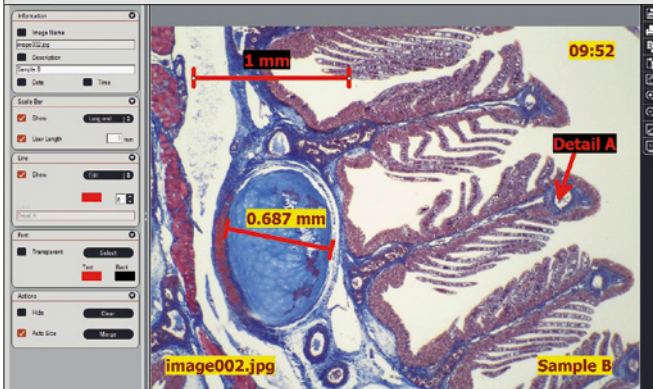- Use with external projectors.

User-friendly software for PC

The Leica EC4 comes with LAS (Leica Application Suite) EZ software, which integrates the Leica microscope and digital camera into one imaging system. The intuitive user interface minimizes the effort required for time-consuming imaging tasks. Microscope and camera settings can be instantly selected and all configurations can be saved for later retrieval. LAS EZ also provides the means to define acquisition preferences by individually setting exposure, gain, and gamma levels as well as color depth and size. The result: Crisp, sharp images that can be saved and displayed as thumbnails in an integrated gallery and reviewed at any time. All image-related information such as acquisition time, bit depth, and calibration is stored, which again simplifies the retrieval process at no additional cost.

Leica Acquire software for MAC

The Leica EC4 camera also comes with free Leica Acquire software to make on-screen digital recording on MAC computers – quick and easy. In the same manner as LAS EZ, Leica Acquire includes numerous intuitive image capture and editing functions to ensure that high quality images are immediately available for viewing and processing.

Presentations and reports

All captured images can be refined and enhanced for use in presentations. For instance, the brightness and saturation levels as well as contrast and gamma can be adapted to suit your requirements, and basic annotations can be included such as text data, scale bars, and lines.

Easy-to-use LAS EZ software provides a fast live video for convenient setup of camera parameters and focus distance. The work-flow bar always indicates where you are in the documentation process.

The Acquire application for MAC computers allows you to work seamlessly with all the other MAC software and with the same ease of use. By the touch of a few buttons or sliders you can quickly set up the best capture parameter for your images.

Process: After image capture you can easily add annotations and basic measurements to the images. A gallery of images stores all the calibration and camera data for fast reference.
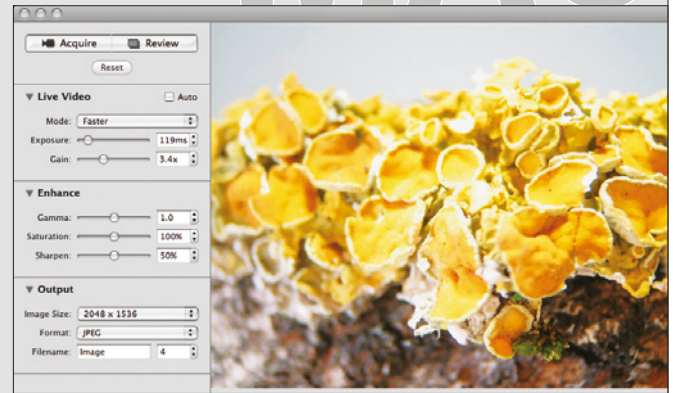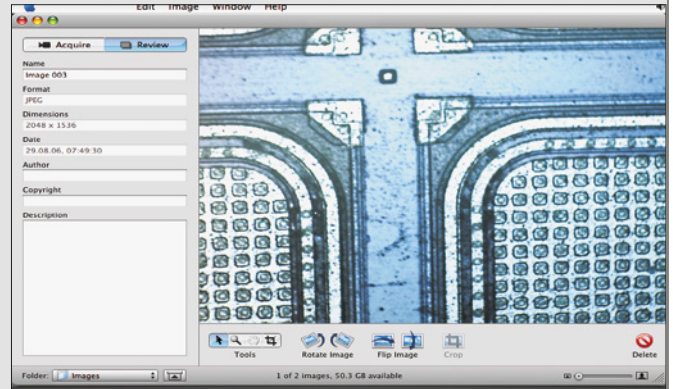

An integrated gallery shows the captured images. You can add comments or do basic image processing. You can easily use all the images in iPhoto or other Mac applications for viewing or documentation.

TECHNICAL DATA: LEICA EC4

Digital Camera	Leica EC4	
Weight	250 g (camera only)	
Exposure time	0.5 msec to 500 msec	
Live picture	Color, on computer monitor up to 24 fps (1024 × 768 Pixel)	
Number of pixels	2112 x 1584, 3.3 Mpixel	
Scan Area	6.55 mm × 4.6 mm	
Pixel size	3.2 µm × 3.2 µm	
Sensor type	1/2" CMOS	
Gain	1× – 12×	
Colour depth	24-bit	
Data format	JPEG / TIFF / BMP	
Operating systems	Windows^{TM} 7, 8.1, Macintosh^{TM} OS X 10.9	
Leica software	Leica Acquire (MAC), LAS EZ software (PC)	
Compatibility	USB 2.0 for Windows and Macintosh systems	
Power supply	Via USB 2.0	
Operating temperature	Range +5°C to +50°C	Relative humidity 10 to 90%
Computer	PC	MAC
Recommended computer configuration	Intel Core 2 Duo, 2,4 GHz, 4 GB RAM	Intel Core 2 Duo, 2.4 GHz, 4 GB RAM
	24 bit graphics, 1280 × 1024,	24-bit graphics, 1280 × 1024
	CD drive, USB 2.0	CD drive, USB 2.0

Order number

12 730 519   Leica EC4 digital camera / LAS EZ Software / Leica Acquire Software

Appropriate C-mount adapter and computer system is required.

CONNECT WITH US!

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