AxioCam ERc 5s
Completely Independent

New Standard for Education and Routine Applications:

The Microscope Camera with Stand-alone Functionality

ZEISS

We make it visible.

AxioCam ERc 5s from Carl Zeiss
Documentation Made Easy

Performance in the most compact form: with AxioCam ERc 5s, Carl Zeiss expands the proven AxioCam family with a real power pack that provides the perfect solution for documentation, observation, and stand-alone use.

Documentation, observation, discussion: the choice is yours

The 5 megapixel CMOS camera AxioCam ERc 5s is an affordable documentation system that offers speed, ease of operation, and straightforward technology. This camera can be used as a full-fledged microscope camera for education and routine requirements or as a video device for observation with a fast and high-quality live image. During stand-alone operation, images are stored immediately on SD card and can be transferred easily to a computer at any time. All operating buttons are located directly on the camera housing: enormously efficient when documenting many samples quickly. AxioCam ERc 5s can also be operated remotely, so users can keep an eye on observation or experiment during documentation. What makes this system particularly comfortable for the user is
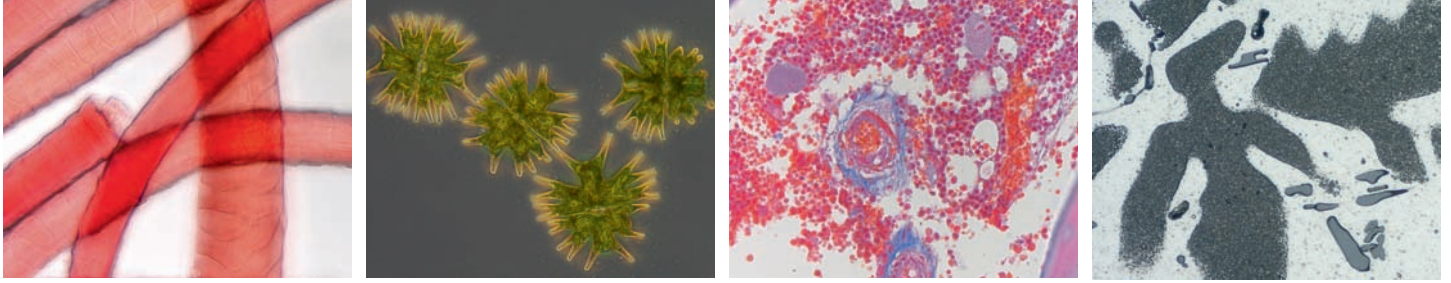

Stand-alone functionality: automatic white balance and snap button to save the images directly on SD cards.

that AxioCam ERc 5s can be used entirely independent of the PC. AxioCam ERc 5s is the ideal solution for routine applications.

AxioCam ERc 5s is the ideal camera for the different microscopes in laboratory practice.

Examples of various routine applications: wool fibre (EDF image), micrasterias radiata, bone marrow, aluminium-silicum-magnesium alloy

Performance and high resolution for greater certainty

With AxioCam ERc 5s, Carl Zeiss offers expert technology at an excellent price-performance ratio. This 5 megapixel color camera sets a new standard in its class. High resolution, very good software integration and high image quality maintains the standard. This means, for example, that even very delicate structures are clearly visible.

A fast live image with a higher resolution than video cameras: AxioCam ERc 5s and its image quality mark a new performance level in this camera class. This is made possible by various video outputs (USB, AV or DVI), so that devices such as a PC, a projector or a monitor can be connected directly to the camera. Rapid acquisition with outstanding image quality is possible – added certainty for reliable results in medical reporting or quality assurance.

## Stand-alone documentation that can be used anywhere

AxioCam ERc 5s has the flexibility you need, whether you use it in the software control mode or even independently of the PC by capturing images directly on a SD card.

- White balance can be carried out on the camera itself at the push of a button.
- The camera can be connected directly to a PC, a monitor or a projector for joint observation, even during stand-alone operation.
- An optional stand-alone package with all the components necessary for independent operation is available, including a power supply for worldwide use, a remote control, an HDMI-DVI adapter, and a SD card.
- With the software configuration tool, the user can change individual settings for stand-alone use such as labeling, color, brightness, and contrast.

Impressively versatile

AxioCam ERc 5s can be used with all microscope stands from Carl Zeiss – without exception. The option of stand-alone operation ensures even more efficient laboratory processes. Various interfaces allow the direct connection to a PC, a projector or a computer monitor.

Fully integrated with the system software, AxioCam ERc 5s can be used as a conventional microscope camera. In combination with the additional software modules HDR Imaging or Interactive Measurement, all these systems offer easy operation, greatly simplified processes and maximum reliability for your day to day work in materials analysis and biological applications. The software configuration tool offers the opportunity to customize the individual settings for the stand-alone operation to perfectly match the user's application. The advantage is an optimal result in every workflow.
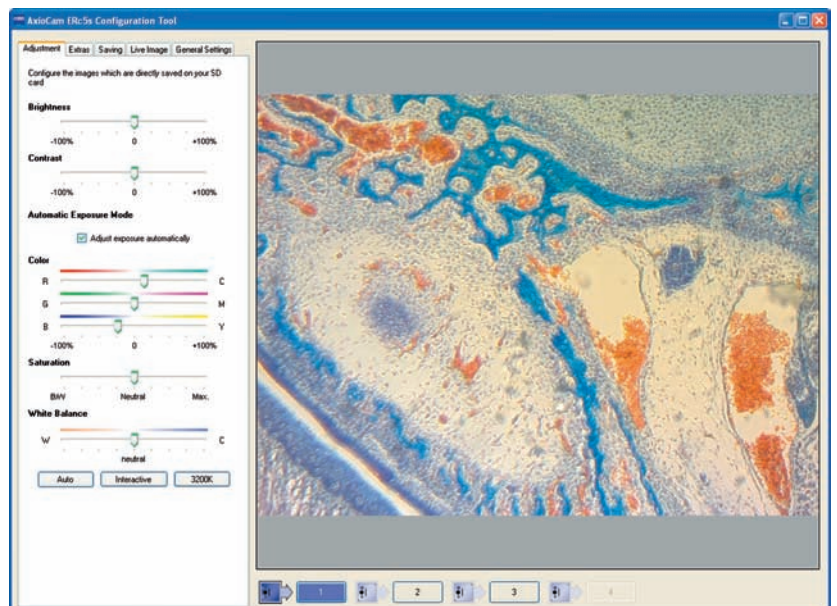
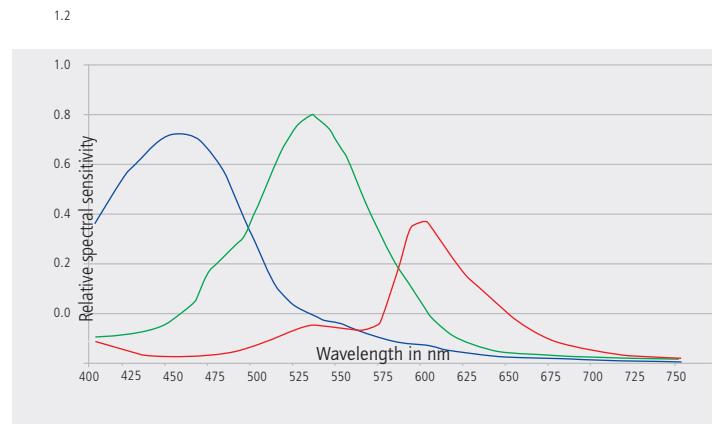*AxioCam ERc 5s Configuration Tool*

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AxioCam ERc 5s: Data and Facts

Sensor	Micron MT9P031, 5 megapixels, CMOS
CCD basic resolution	2560 x 1920 ≈ 5.0 megapixels

Pixel size	2.2 µm x 2.2 µm
Sensor size	5.7 mm x 4.28 mm equivalent 1/2.5" (diagonal 7.1 mm)
Spectral sensitivity	Approx. 400 nm-700 nm, IR filter
Range of integration time	10 µs up to 2 s
Live image	Max. 13 fps at 800 x 600 pixels, subframe
Read-out mode	Progressive
Digitization	3 x 8 bits/pixel
Interfaces	1x SD card slot; 1x mini USB 2.0, 1x AV (S-Video); 1x DVI (HDMI)
Optical interface	C-Mount
Housing (WxDxH)	65 mm x 65 mm x 63 mm
Power supply	Via USB 2.0
Dual Color LED	Power on and ready for capture (green); Recording (blinking green); Not ready (red); Error (blinking red)
Integrated slot	SD card slot for SD and SDHC cards
Recording	Button for image capture
Set new white balance	Button for new setup
Ambient conditions (operation)	+5° to +45° Celsius, max. 80 % relative humidity, no condensation, free air circulation required
Order number	426540-0000-000

Stand-alone package (optional for use without PC)

Power supply	Via mini USB 2.0 Output: 5 V / 1 A Input: 100-240 V, 50/60 Hz with country-specific adapters
Remote control	IR remote control
Memory card	4 GB SDHC card with case
Card reader	SD, MMC
Adapter	HDMI to DVI
Order number	426540-0001-000

Relative spectral sensitivity AxioCam ERc 5s