



ZEISS Axiocam 202 mono

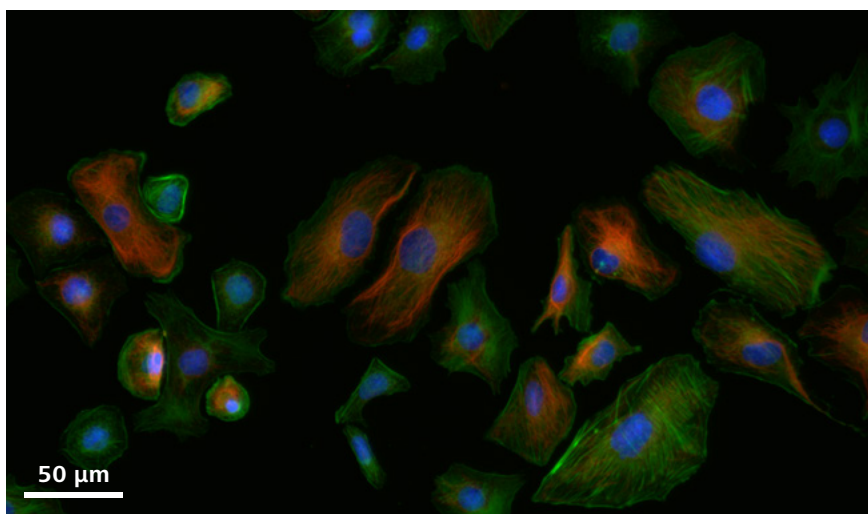
Your 2 Megapixel Stand-alone Microscope Camera for
Routine Fluorescence Documentation



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Axiocam 202 mono is your 2 megapixel monochrome microscope camera with automatic functions for routine fluorescence applications.



Mink Endometrium Cells, Vimentin (Ms) – Alexa Fluor 568, Phalloidin - Alexa Fluor 488, Hoechst 33342, acquired with ZEISS Axioscope 5, objective: Plan-Apochromat 20x/0.8

With this CMOS sensor camera you can easily acquire monochrome images in stand-alone mode with no need of a PC. Since the camera automatically adjusts the exposure time you only need to press the snap button to capture and store your fluorescence images on a USB flash drive. If needed you can adjust parameters in the OSD (on screen display) menu before you save the image.

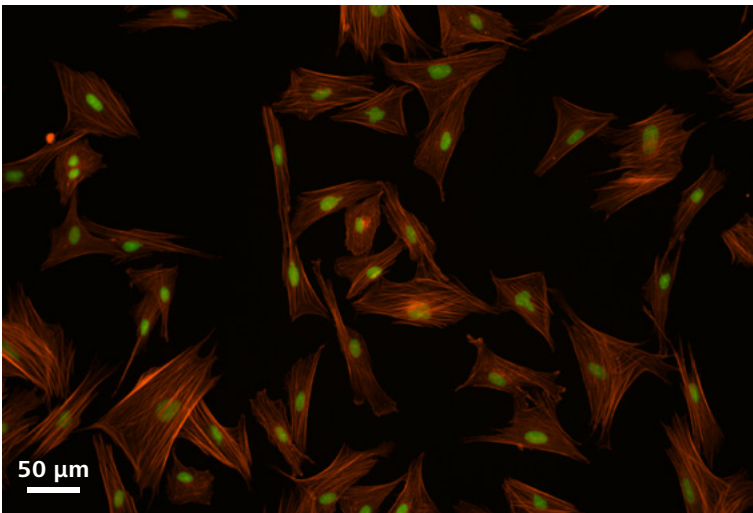
In combination with the smart microscopes AxioLab 5 or AxioScope 5 you can even capture multichannel fluorescence images by simply pressing one button.

Get more flexibility with the imaging app Labscope and its user-friendly intuitive GUI for fluorescence documentation.

Alternatively, you can use the imaging software ZEN with your Axiocam 202 mono for image capture and additional processing and analysis.

Axiocam 202 mono comes with a TWAIN driver that provides basic camera functionalities. It enables secure image data transfer to TWAIN-compatible 3rd party software solutions such as those often used in routine laboratories. If the camera is connected to AxioLab 5 or AxioScope 5, the scaling is automatically provided and shown on the live image.





Indian muntjac, deer epidermis fibroblasts, Tubulin (Ms) – Alexa Fluor 405, Phalloidin - Texas Red, SYTOX Green, acquired with ZEISS AxioScope 5, objective: Plan-Neofluar 10x/0.3

Highlights

- 2 Megapixel CMOS chip sensor with image diagonal of 13 mm and large pixel size for high sensitivity in fluorescence documentation
- Choose between 12 bit or 8 bit digitization
- Store images directly on USB flash drive in stand-alone mode
- Single button multichannel fluorescence acquisition when combined with AxioLab 5 or AxioScope 5 stands in stand-alone mode (with no PC)
- Automatic exposure and gain adjustment for easy fluorescence image capture
- Connect directly to a monitor by a HDMI cable for live image display for search and focussing and review of acquired images

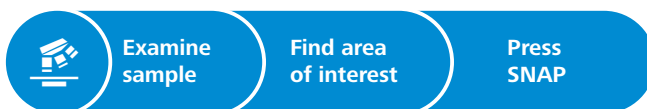
Routine imaging workflow



Smart functionality for digital documentation in brightfield and fluorescence for routine applications.

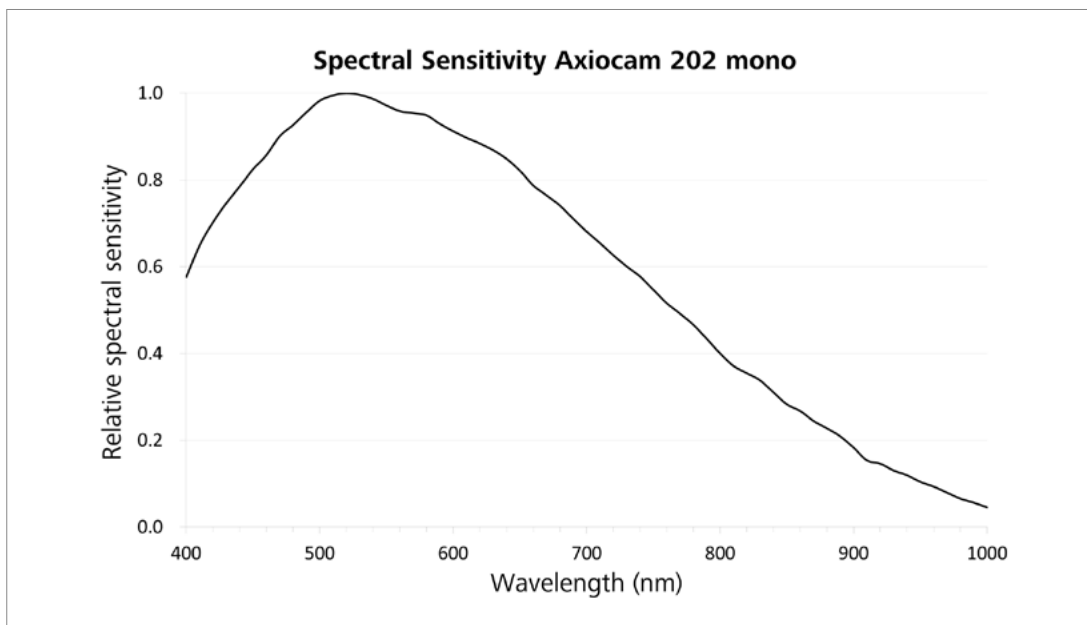
Efficiency gain:

Eyes and hands stay on the microscope.



Technical Specifications

| Technical Data | |
|-----------------------------|---|
| Sensor type | Sony CMOS image sensor mono, Global Shutter |
| Sensor size | Image diagonal 13 mm, equivalent to 1/1.23" (11.25 mm × 6.33 mm) |
| Pixel count | 1920 (H) × 1080 (V) = 2 Megapixel, Full HD |
| Pixel size | 5.86 μm × 5.86 μm |
| Bit depth | 8 bit/pixel or 12 bit/pixel |
| Exposure range | 0.3 ms up to 2 s |
| Gain | 1x – 16x adjustable |
| Frame rate | HDMI: 30 fps Ethernet: 30 fps USB 3.0: up to 30 fps |
| Cooling system | Passive cooling |
| Spectral sensitivity | Approx. 400 nm – 1000 nm, protection glass (coated) |
| Interface | HDMI, USB 3.0 Type C, Ethernet, Micro-D |
| Wi-Fi compatibility | Via USB Wi-Fi adapter and router |
| Power supply | External power supply provided, 9 W, compatible connectors to international sockets |
| Operating system | for ZEN Imaging Software: Windows 10 x64 Prof./Ultimate and higher for Labscope: Windows 7/10 x64 Prof./Ultimate and iOS v11 and higher |
| Software | On Screen Display (OSD) for stand-alone operation Labscope v2.9 (win), v2.8.3 (iOS) and higher ZEN (blue edition) v3.0 and higher TWAIN driver |
| Image enhancement functions | Active denoising, active sharpening |
| Automatic features | Automatic exposure and gain regulation at full HD resolution (1080p) Fast live image under low light conditions |
| Order number | 426570-9010-000 |



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