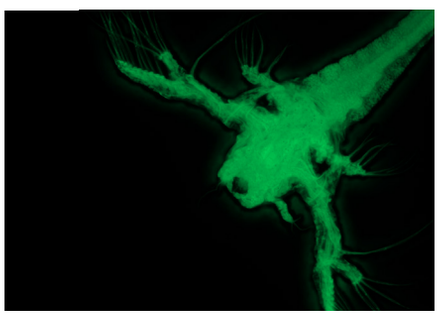
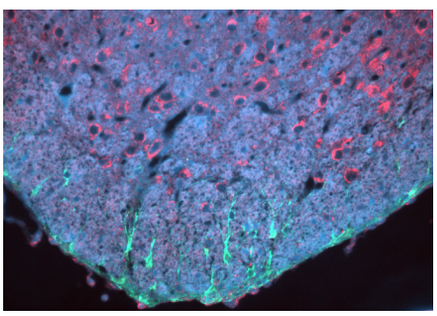
ZEISS Axiocam 305 mono

Your Fast 5 Megapixel Microscope Camera for Routine Fluorescence Applications



EOSIN staining of brine shrimp.



Antibody staining of mouse brain section.
Cell nuclei (blue), astrocytes (green), cytokeratin (red).

Axiocam 305 mono your 5 megapixel camera from ZEISS for high resolution imaging at fast speeds. State-of-the-art CMOS Global Shutter technology lets you follow and capture samples accurately. Thanks to its high dynamic range, you can acquire images with various high contrasts and intensities in a single image. A dark homogenous background helps you see even the finest structural details. And it's a really fast camera, acquiring up to 36 frames per second at full resolution.

Routine Fluorescence Documentation

Highly sensitive sensor technology and sophisticated camera engineering means your Axiocam 305 mono will deliver best quality images every time. The sensor is temperature-stabilized, resulting in reproducible quality and reduced background noise. Easy to use ZEN imaging software fully supports the robust camera performance by an intuitive user interface. Fast reaction times are assured through the high bandwidth USB 3.0 connection, which also provides the camera power.

Highlights

- 5 Megapixel CMOS chip sensor
- Fast readout with 36 full frame images per second
- Small 3.45 micron pixels
- Easy and fast USB 3.0 connection, easy to operate, plug and play
- Global shutter readout avoids CMOS rolling shutter image distortions
- Compatible with all ZEISS microscope stands with a camera port
- Fast and efficient operation with ZEN imaging software

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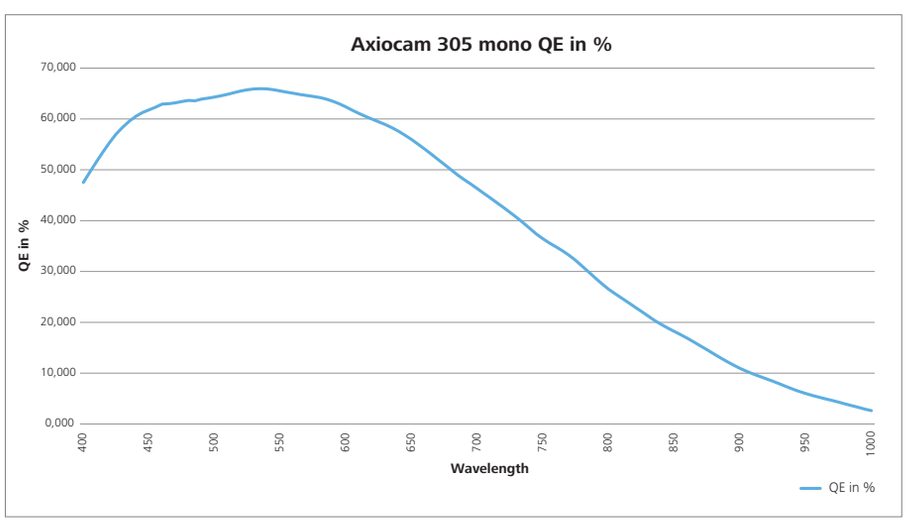
Technical Data	
Sensor Model	Sony IMX 264 Exmor Pregius, CMOS
Sensor Pixel Count	5 Megapixel: 2,464 (H) × 2,056 (V)
Pixel Size	3.45 µm x 3.45 µm
Sensor Size	8.5 mm x 7.1 mm; image diagonal 11.1 mm, equivalent to ⅔" sensor format
Exposure Time	100 µs to 4 s
Live Image	36 frames/s @ 2,464 x 2,056 pixels
Read-out Mode	Quad-Port readout
Digitization	8 or 12 Bit/Pixel
Interfaces	USB 3.0 SuperSpeed (5 Gbit/s)
Optical Interface	C-Mount (17.5 mm) Recommended Camera Adapters 0.5×, 0.63×, 1.0×
Size (W × H × D) / Weight	10.8 cm × 5.0 cm × 7.8 cm / 580 g
Power Supply	Max. 4 W power consumption through USB 3.0-Bus from PC
Full Well Capacity (typical)	10,500 e^- at gain 1x
Readout Noise (typical)	2.2 e^- at gain 1x
Cooling	Temperature stable at 25 °C for ambient temperatures between 18 °C and 30 °C
Order Number	426560-9040-000

Subsampling	Pixel Count (H × V)	Mode	FPS at 1 ms
1×1	2,464 × 2,056	Mono	36
2×2	1,232 × 1,028	Mono	88
1×1, ROI	2,048 × 2,048	Mono	36
1×1, ROI	1,920 × 1,080	Mono	67
1×1, ROI	1,024 × 1,024	Mono	70
1×1, ROI	512 × 512	Mono	136
1×1, ROI	256 × 256	Mono	255
1×1, ROI	128 × 128	Mono	456



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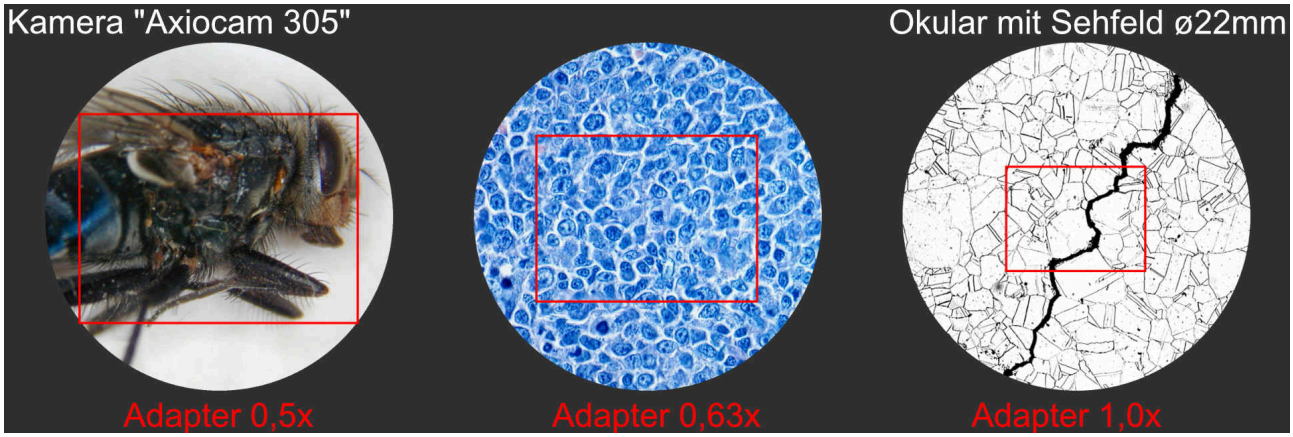
Zum Anschluß an Ihr Mikroskop benötigen Sie einen „Kamera-Adapter mit C-Mount“. Diese Adapter haben eine Optik eingebaut um die Sensorgröße der Kamera an das Mikroskop anzupassen.



Auf diesem Bild sehen Sie die Bildausschnitte, die Sie mit der Kamera ZEISS „Axiocam 305 mono“, an ein Mikroskop mit Okularen „10x(22)“, erhalten würden.

Wir empfehlen für einen Kamera-Adapter mit Optik 0,63x oder 0,5x zu verwenden.

Weitere Informationen zur Kamera und der Software finden Sie unter www.mikroskoptechnik.de

Haben Sie weitere Fragen oder benötigen ein Angebot - rufen Sie uns unter Telefon 03641-828080 an oder schreiben uns eine eMail verkauf@mikroskoptechnik.de