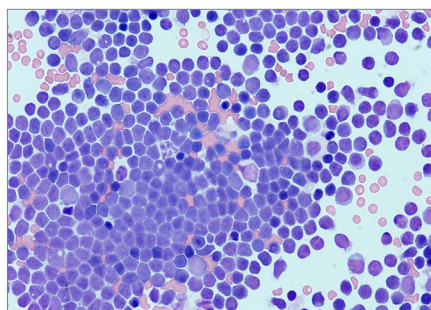


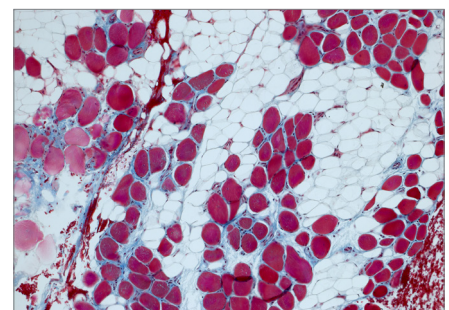


## ZEISS Axiocam 512 color

Your 12 Megapixel Microscope Camera for Imaging of Large Sample Areas



*Blood smear H&E stained*



*Rat Bone section*

Axiocam 512 color is your 12 Megapixel camera for fast high resolution imaging in true color. Capture the full color image resolution with low magnification objectives – this camera is excellent for pathology applications and large field of view color imaging.

Axiocam 512 color brings you all the fine details of your sample with unmatched color image performance and imaging speed. Be amazed with your images.

### True Color with Fast Performance

Paired with easy to use ZEN software, you'll be capturing brilliant true color images like never before. An on chip RGB color mask plus innovative high speed color interpolation algorithms allow fast imaging and no delays while focusing your sample. All of this while delivering crisp 12 Megapixel images.

The huge Axiocam 512 color 16 millimeter diagonal sensor can capture large areas of your sample with each snap allowing you to rapidly collect tiled images of slides or pair with a low magnification objective to collect entire samples in a single snap. Camera binning and Region of Interest (ROI) modes offer the option for even faster acquisitions. The selectable Black & White mode allows surprising performance with fluorescently labeled samples.

### Highlights

- 12 Megapixel CCD chip sensor
- Fast Quad-Port readout for 10 full frame images per second
- Small 3.1 micron pixels for optimal low magnification resolution
- Easy USB 3.0 connection
- Both color and black & white imaging modes
- Compatible with all ZEISS microscope stands
- Fast and efficient operation with ZEN Software





# ZEISS Axiocam 512 color

Your 12 Megapixel Microscope Camera for Imaging of Large Sample Areas

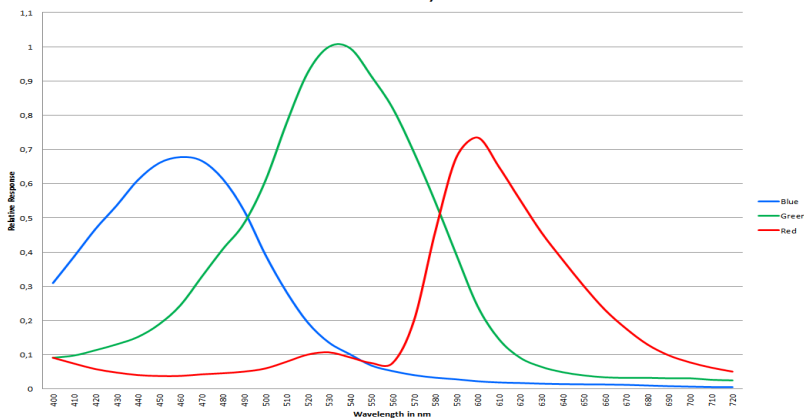
Technical Data	
Sensor Model	Sony ICX 834, EXview HAD CCD II™
Sensor Pixel Count	12 Megapixel: 4250 (H) x 2838 (V)
Pixel size	3.1 µm x 3.1 µm
Sensor size	Effective sensor size: 13,2 mm x 8.8 mm; image diagonal 16 mm, equivalent to 1" sensor format
Spectral Range	Approx. 400 nm - 720 nm, coated Hoya C5000 IR Cut Filter; RGB Bayer color filter mask
Range of integration time	250 µs to 60 s
Live image	>10 frames/s at max @ 4248 x 2832 pixels
Read-out mode	Quad-Port Readout
Digitization	14 Bit / Pixel
Interfaces	USB 3.0 SuperSpeed (5 Gbit/s)
Optical interface	C-Mount (17.5 mm)
Size (W x H x D) / Weight	10.8 cm x 4.3 cm x 7.8 cm / 500 g
Power supply	Max. 7 W power consumption power by USB 2.0 and USB 3.0-Bus from PC
Max Full Well Capacity (typical)	9.000 e-
Readout Noise (typical)	6.8 e- at 39 Mhz; 6.5 e- at 13 Mhz
Cooling	Regulated thermoelectric cooling (power supplied through USB 2.0 ports) Cap sensor temperature 23 °C
Order number	426560-9000-000

Binning	Pixel Count (H x V)	Mode	FPS @ 1 ms
1x1	4248 x 2832	Color/ Mono	10
2x2	2120 x 1416	Mono	19
3x3	1416 x 944	Color/ Mono	26
4x4	1056 x 708	Mono	31
5x5	848 x 564	Color/ Mono	35
ROI	1936 x 1080	Color/ Mono	22
ROI	1936 x 512	Color/ Mono	36

(exposure time = 1 ms)



**Spectral Sensitivity Axiocam 512 color**  
incl. IR Filter Hoya 5000



Not all products are available in every country. Use of products for medical diagnostic, therapeutic or treatment purposes may be limited by local regulations. Contact your local ZEISS representative for more information.  
EN\_40\_012\_106 | CZ 08-2016 | Design, scope of delivery and technical progress subject to change without notice. | © Carl Zeiss Microscopy GmbH