

Excelis

16MP COLOR MICROSCOPY CAMERA



The new *Excelis* MPX-16C color CMOS microscopy camera sets a new standard for excellence in high definition imaging for scientific and industrial applications.

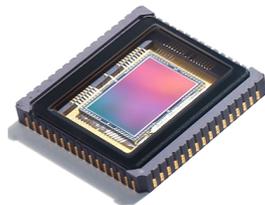
Innovative Dual Processors



The MPX-16C features innovative dual processors, FPGA1 for high definition image quality and FPGA2 for image transfer for superb image quality at high frame rates!

Two High Performance Elements

The CMOS imaging sensor provides 16MP resolution — remarkable representation of the finest details with no loss of image fidelity!

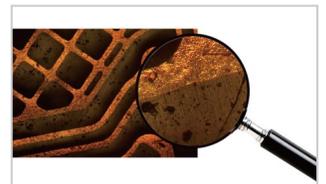


The latest USB 3.0 standard chip boasts 5GB/s ultra high-speed data transfer, high efficiency, and allows users to find and focus easily, even at full resolution!

Accurate Color Rendition, Remarkable Representation of Fine Details

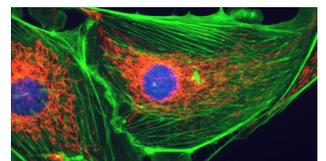
The MPX-16C delivers 16MP high resolution still image acquisition and video recording with sharp image quality and vibrant color.

The dual processors' amazing performance captures every precise detail.



Surprising Low-Light Performance!

Embedded hardware binning and 3D denoise technologies deliver surprising performance in low light applications.



- 16MP CMOS Camera
- Built-in ISP
- Ultra-high speed Image Transfer
- USB 3.0 Connectivity (USB 2.0 Compatible)
- 3D Denoise Technologies
- *CaptaVision* Imaging Software



CAMERA SPECIFICATIONS

Model	AU-16-CMOS
Sensor	CMOS
Sensor Size	1/2.33", 0.5x C-mount recommended
Image Processor	Built-in ISP
Image Transmission	High-speed (FPGA+DDR)
Pixel Size	1.335µm x 1.335 µm
Dynamic/Static Resolution	4608 x 3456, 2304 x 1728, 1600 x 1200, 1028 x 960
Frame Rate	5fps@16MP, 25fps@4MP, 30fps@2MP, 30fps@1.2MP
Scan Mode	Progressive
Exposure Time	1ms—999ms
Exposure Mode	Auto/Manual
White Balance	Auto/Manual
Settings	White balance, Gain, Noise Reduction, Gamma, Exposure Time, HDR
Color Temperature	1800K—10000K
Operating Temperature	0-60°C
Operating Humidity	45% - 85%
Data Interface	USB 3.0, compatible with USB 2.0
PC Imaging Software	<p>CaptaVision Imaging Software (for PC only; Mac OS not supported)</p> <p>Live/still image measurement and annotation; flat field correction; extended depth of focus (focus stacking); image stitching; fluorescence image settings; fluorescence multi-color channel merge; HDR (High Dynamic Range) function</p> <p>Image Types: JPEG, BMP, TIFF and RAW</p>
System Software Compatibility	<p>Windows XP, Vista, 7, 8, and 10 (32 or 64 bit)</p> <p>Mac OSX (for image transfer to Mac OSX only)</p> <p>System Requirements: Intel processor (Core 2 Duo or higher); 2GB memory or more; USB 2.0 Hi-Speed port or higher</p>

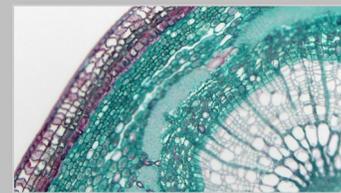
Design, features and specifications are subject to change without notice.

ISO 9001

Design and production adheres to ISO9001 international quality standard.

ISO 14001

Design and production meets the requirements of international standard ISO 14001 for environmental management.



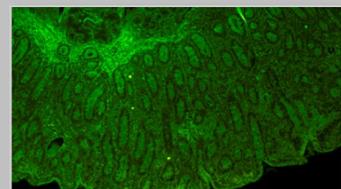
Perfect color reproduction



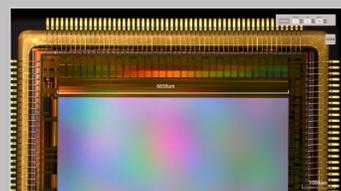
Manipulate live images without lag



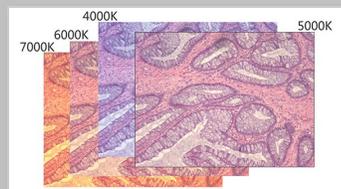
Motion trails are recorded in fast speed and intact form



Rapid captures of low light images



Remarkable representation of fine details



Wide range color temperature adjustment