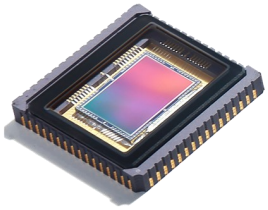
Excelis MPX

HIGH RESOLUTION MICROSCOPY CAMERA

The new *Excelis* MPX-5C Pro CMOS microscopy camera delivers exceptional performance in a compact, low-profile design.

The revolutionary, feature-rich *CaptaVision+* software provides real-time image stitching, real-time depth-of-field fusion, report generation & export, plus more!

SONY Professional CMOS Sensor



The MPX-5C Pro uses a Sony Pregius® 5MP 2/3" CMOS sensor—IMX264, with 3.45 x 3.4µm pixels. The resolution of the captured image can reach 2448x2048, easily resolving fine details in samples.

Advanced Global Shutter Technology

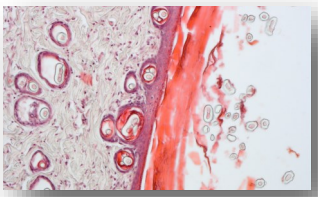
Global shutters are ideal for capturing dynamic samples more accurately, avoiding the distortion of the moving object caused by non-synchronized pixel exposure. A must-have for fluorescence applications and provides faster operation with real-time stitching.

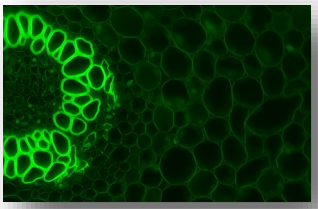
USB 3.0 High-Speed Transmission

USB 3.0 super-speed transmission interface is simple, convenient and ensures a stable high-data transmission rate allowing fast-focusing at high resolution. Imaging can be performed at a rate of Imaging can be performed at a rate of 35fps!

Excellent Color Reproduction

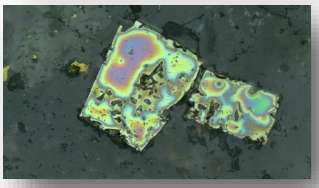
The MPX-5C Pro's core ISP color-interpolation algorithm effectively simulates the human eye's sensitivity to color. The colors in the image are true to the color seen in the eyepiece, whether it is a biological brightfield, stereo or fluorescence image.

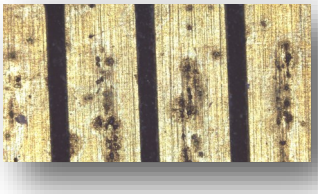




Feature-Rich *CaptaVision+* Imaging Software

The innovative interface and workflow-based design redefines the image acquisition → editing → measurement → report output workflow process saving operating time and improving productivity.





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Excelis MPX MICROSCOPY CAMERA SERIES

MPX-5C PRO

- 5MP CMOS Camera
- Ultra-high speed Image Transfer
- USB 3.0 Connectivity
  (USB 2.0 Compatible)
- *CaptaVision+* Imaging Software

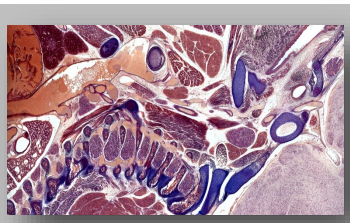
CAMERA & SOFTWARE SPECIFICATIONS

Model	AU-5C-CMOS
Sensor / Model	CMOS • Sony IMX264LQR-C
Sensor Size	2/3"; 0.65x C-mount (recommended)
Image Transmission	High-speed
Pixel Size	3.45µm x 3.45 µm
Resolution	2448 (H) X 2048 (V)
Frame Rate	35FPS (2448 X 2048)
Shutter Mode	Global
Exposure Time	0.13ms—15s
Automatic Settings	Exposure, Color Scale, White Balance
Manual Settings	Exposure, Gain, Noise Reduction, Gamma, Flat Field Correction
Color Temperature	2000-15000K
ADC Depth	12Bit
Operating Temperature & Humidity	0-60ºC
Camera Size & Weight	68x68x46mm / 330g
Data Interface	USB 3.0, compatible with USB 2.0
PC Imaging Software *(See additional features at right)*	***CaptaVision+*** Imaging Software *(for PC only; Mac OS not supported)* 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 **Image Types:** JPEG, PNG, and TIFF Supports 4 cameras simultaneously in SDK
System Software Compatibility	Windows 7, 8, and 10 (64 bit) ***System Requirements:*** *Intel processor (Core i5 or higher); 8GB RAM or more; USB 2.0 Hi-Speed port or higher*

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

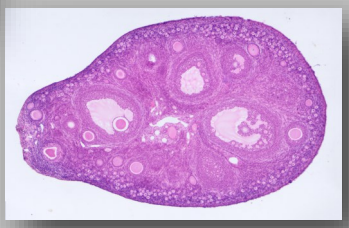
CaptaVision+ Features

- Intelligent 12-bit ISP color reproduction
- Real-time depth-of-field fusion
- Real-time image stitching
- Real-time fluorescence image synthesis and editing
- HDR image synthesis
- Micro-imaging-based intelligent automatic exposure
- Intelligent flatfield correction based on dynamic calculation
- Smart measurement workflow
- Implements multiple interations of workflow execution
- Supports single shot, delayed camera
- Automatic video and delay video generation
- Output format selection
- User parameter group save and load
- Dynamic / static measurement
- Layered measurement
- Customize measuring gauges, layers, precision, image naming, style, save location
- Data export as TXT or Excel
- Drawing tools: points, lines, rectangles, polygons, circles, arcs & angles
- Report generation and printing

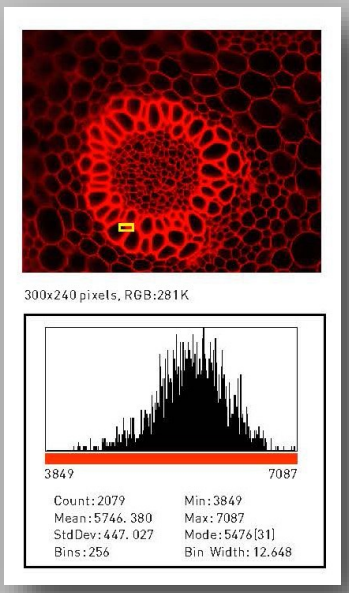


Outstanding color reproduction

Real-time depth-of-field fusion



Real-time stitching under a 10x lens



Advanced noise reduction for fluorescence imaging

Innovative interface streamlines the image acquisition / editing / measurement & report output workflow process

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.

CE RoHS

ACCU-SCOPE®

73 Mall Drive • Commack, NY 11725 • 631-864-1000 (P) • 631-543-8900 (F)
info@accu-scope.com • info@unitronusa.com • www.accu-scope.com • www.unitronusa.com

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