

PROMICAM PRO L5

5 MP Color CMOS USB 3 Cost Effective

Digital Camera for Microscopy Documentation



Sensor Specifications	
Sensor Type	Onsemi CMOS, rolling shutter, color, BSI (back-side illuminated)
Sensor Size	1/2.5" (5.70 x 4.28 mm)
Sensor Aspect Ratio	4:3
Pixel Size	2.2 x 2.2 μ m
Resolution	2592 x 1944 pixels (5 MP)
Supported Software	
Software	QuickPHOTO in version 4 (not included)
Camera Specification (when used with QuickPHOTO programs)	
Image Resolution	2592 x 1944, 2592 x 1456, 1920 x 1080, 1296 x 972 pixels
Live View Resolution@Max. Frame Rate (fps)	2592 x 1944@60 fps 2592 x 1456 (16:9 - ROI)@80 fps 1920 x 1080 (Full HD - ROI)@107 fps 1296 x 972 (subsampling)@60 fps
Lower Resolutions	Subsampling 2x2, ROI
Exposure Times	1/10000 s (100 μ s) – 30 s
Gain	1 – 9.8x
Exposure Mode	Automatic, automatic-interactive, fluorescence (SFL Auto), manual
White Balance	Automatic, automatic-regional, manual
Black Balance	Automatic-regional, manual
Camera Characteristics	
Dynamic Range	74.3 dB
Quantum Efficiency (green color 525 nm)	73.5 %
Max. Signal to Noise Ratio	40 dB
Interface	USB 3 Gen 1 (backwards compatible with USB 2.0)
USB connector	USB-C screw lock
Mount	C-mount / CS-mount
Dimensions	36 x 36 x 25 mm (1.42" x 1.42" x 0.98")
Weight	70 g
Tripod Mount	1/4" – 20
Recommended Microscope Coupler	0.5x C-mount
Compliances	CE, RoHS, WEEE
Included in the Box	PROMICAM PRO L5 camera, 3 m USB 3 cable with lock screw connector
Minimum System Requirements	
Processor	Dual-core
RAM	2 GB
USB port	1x USB 3 or USB 2
Operating System	Microsoft® Windows® 11 / 10 (32bit or 64bit)
Doporučená konfigurace počítače	
Processor	Intel® Core™ i5 / AMD RYZEN™ 5 or better
RAM	16 GB or more
USB port	1x USB
Operating System	Microsoft® Windows® 11

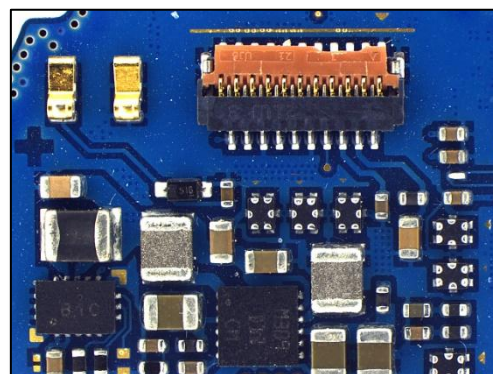
Main Features:

- 1/2.5" CMOS color sensor
- 5 MP sensor resolution
- Live view frame rate up to 60 fps in full 5 MP resolution
- USB 3 Gen 1 interface backwards compatible with USB 2.0
- Small dimensions and low weight
- Screw lock USB connector
- Supported by QuickPHOTO programs

Suitable for Applications:

- Brightfield/Darkfield
- DIC
- Biology/Live Cell Imaging
- Histology/Pathology/Cytology
- Metrology/Mineralogy/Metallurgy/Geology
- Quality control / Semiconductor Inspection
- Documentation and Archiving
- Education

Sample Image:



PROMICRA