

PROMICAM LITE 5

5 MP Color CMOS USB 3.0 Cost Effective
Digital Camera for Microscopy Documentation



Sensor Specifications	
Sensor Type	Aptina CMOS, rolling shutter, color
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 3.0 or higher (not included)
Camera Specification (when used with QuickPHOTO programs)	
Image Resolution	2592 x 1944, 1920 x 1080, 1296 x 972 pixels
Live View Resolution@Max. Frame Rate (fps)	2592 x 1944@15 fps 1920 x 1080 (Full HD - ROI)@33 fps 1296 x 972 (binning)@36 fps
Lower Resolutions	Binning 2x2, ROI
Exposure Times	1/10000 s (100 μ s) – 30 s
Gain	1 – 12x
Exposure Mode	Automatic, automatic-interactive, fluorescence (SFL Auto), manual
White Balance	Automatic, automatic-regional, manual
Black Balance	Automatic-regional, manual
Camera Characteristics	
Dynamic Range	67.74 dB
Quantum Efficiency (green color 525 nm)	57 %
Max. Signal to Noise Ratio	38.5 dB
Interface	USB 3.0 / USB 3.1 Gen 1 (backwards compatible with USB 2.0)
Mount	C-mount / CS-mount
Dimensions	36 x 36 x 25 mm
Weight	70 g
Tripod Mount	1/4" - 20
Recommended Microscope Coupler	0.5x C-mount
Minimal System Requirements	
Processor	Single-core 2.4 GHz
RAM	1 GB
USB port	1x USB 2.0
Operating System	Microsoft® Windows® XP/Vista®/7/8/8.1/10 (32bit or 64bit)
Recommended Computer Configuration	
Processor	Multi-core processor
RAM	2-4 GB
USB port	1x USB 3.0
Operating System	Microsoft® Windows® 7/8.1/10 (64bit)

Main Features:

- 1/2.5" CMOS color sensor
- 5 MP sensor resolution
- Live view frame rates up to 36 fps
- USB 3.0 /USB 3.1 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:

