

# 3.1 Megapixel CMOS Camera for Microscope

## MDX303

### Description

The MDX303 is a 3.1 megapixel USB 2.0 microscope camera enhanced by advanced algorithm of color reproduction. It is equipped with Aptina progressive CMOS sensor MT9T001. Thanks to the excellent auto white balance, users can get true-color-image. Bundled with user-friendly measuring software iWorks EX, MDX303 provides remarkable user-experience of microscopy applications.

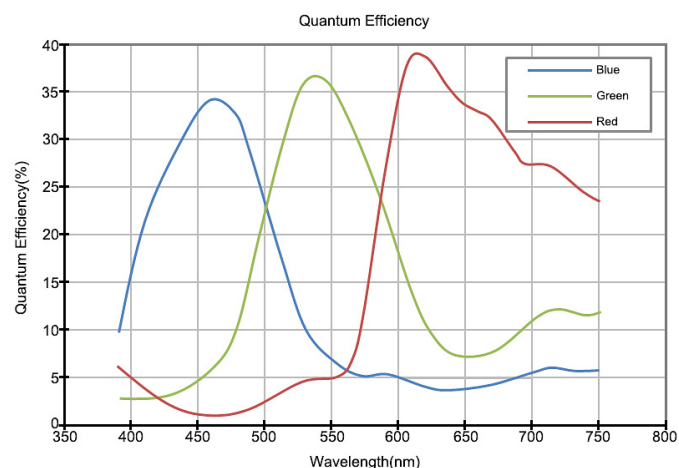
### Features

- Excellent image quality, fast live image
- 1/2 inch 3.1 megapixel color CMOS sensor
- Plug and play USB 2.0 interface, easy to install
- Come with iWorks EX software
- Twain and DirectShow driver compatible
- Dust-proof structure and aluminum alloy body design
- Compatible with Windows 7, Windows 8, & Windows 10

### Applications

- Bright field
- Histology
- Pathology
- Cytology
- Defect Analysis
- Live cell imaging
- Macro imaging
- Archaeology
- Dentistry
- Microbiology

### Quantum Efficiency



### Specifications

Model	MDX303
Sensor Size	1/2" Aptina CMOS
Resolution	2048H × 1536V (3.1MP)
Pixel Size	3.2 μm × 3.2 μm
Frame Rate	11 fps (2048 × 1536)
Filter	650nm IR Cut-off Filter
Optical Mount	C Mount
S/N Ratio	43dB
Dynamic Range	61dB
Shutter Type	Rolling
Exposure Time	0.1~3000ms
Exposure Control	Auto/ Manual/ Regional Exposure
White Balance	One touch/ Manual / Regional
Response Rate	21.0V/ lux-sec 550nm
Spectral Response	380~650nm (with IR cut-off filter)
Operation System	Windows XP, 7, 8, 10
Software Interface	TWAIN, DirectShow
Data Interface	USB2.0 480Mb/s
Power Consumption	<0.7W, Standby: 0.35W
Power Supply	USB 5.0V
Working Temp.	0~50°C
Storage Temp.	-20~60°C
Dimension	88mm × 80mm × 42mm
Weight	250g

### Dimensions (mm)

