

10 Megapixel CMOS Camera for Microscope

MDX1003



Description

MDX1003 is a 10 megapixel microscope camera enhanced by advanced algorithm of color reproduction. It is equipped with high quality Aptina progressive CMOS sensor MT9J003. Thanks to the excellent auto white balance, users can get true-color-image. Bundled with user-friendly measuring software iWorks EX, it provides remarkable user-experience of microscopy applications. MDX1003 is a good choice for pathology, histology, industrial inspection and quality control, which require "true color" images.

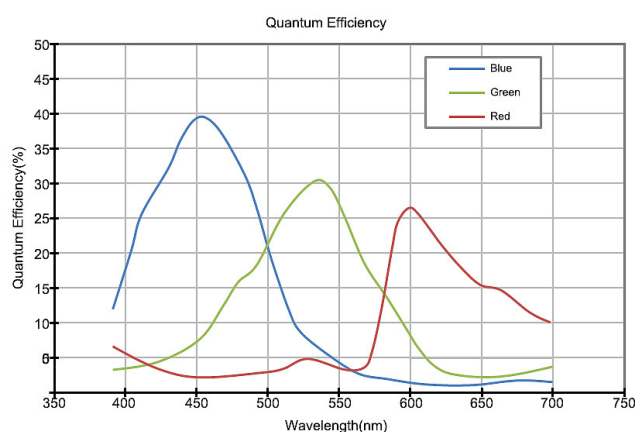
Features

- Excellent image quality, fast live image
- 1/2.3 inch 10 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
- Metrology
- Life science
- Material science
- Semiconductor Inspection

Quantum Efficiency



Vivid



Applications

| Model | MDX1003 |
|--------------------|------------------------------------|
| Sensor Size | 1/2.3" Aptina CMOS |
| Resolution | 3664H×2748V (10MP) |
| Pixel Size | 1.67μm×1.67μm |
| Frame Rate | 4fps (3664×2748) |
| Filter | 650nm IR Cut-off Filter |
| Optical Mount | C Mount |
| S/N Ratio | 34dB |
| Dynamic Range | 65.2dB |
| 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 | 2.5W, Standby: 0.5W |
| Consumption | USB 5.0V |
| Power Supply | 0~50°C |
| Working Temp. | -20~60°C |
| Dimension | 68mm×68mm×41mm |
| Weight | 250g |

Dimensions (mm)

