

1.4 Megapixel CCD Camera for Microscope

MCX141



Description

MCX141 is a 1.4 megapixel professional grade CCD microscope camera equipped with high sensitive Sony ICX205 and a 16Mb buffer memory. It offers progressive scan, high frame rates (20 frames per second). The robust multi-camera synchronization function makes it easy to work with 3 more Pixit cameras together. The CCD design ensures high-uniformity sensor output, a wide dynamic range and a lower noise environment, ideal for low-light and fluorescence microscopy.

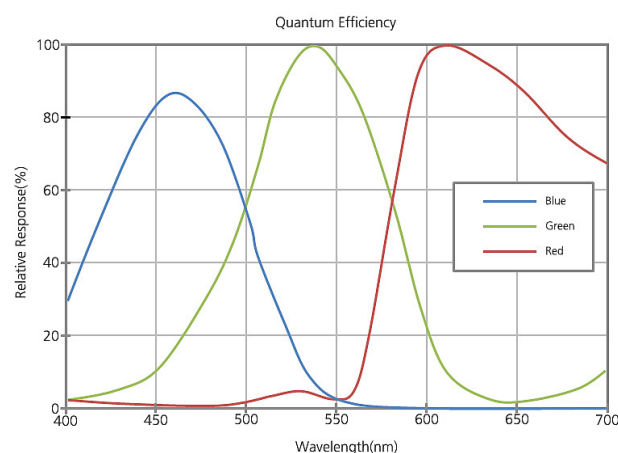
Features

- High sensitivity, low noise and high image quality
- 1/2 inch 1.4 megapixel CCD sensor Sony ICX205
- Come with iWorks EX software
- Twain and DirectShow driver compatible
- Multiple camera synchronization, up to 4 cameras in 1 PC
- 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 cell imaging
- Gel documentation
- Fluorescence
- Dark field
- DIC

Quantum Efficiency



Pixit



Applications

Model	MCX141
Sensor Size	1/2" Sony CCD ICX205
Resolution	1360H×1024V (1.4MP)
Pixel Size	4.65μm×4.65μm
Frame Rate	20fps (1360x1024)
Filter	650nm IR Cut-off Filter
Optical Mount	C Mount
S/N Ratio	43dB
Dynamic Range	61dB
Shutter Type	Global
Exposure Time	0.1~3000ms
Exposure Control	Auto/ Manual/ Regional Exposure
White Balance	One touch/ Manual / Regional
Response Rate	400m-1V/ 30s Accumulation
Spectral Response	380~650nm (with IR cut-off filter)
Operation System	Windows XP, 7, 8, 10
Software Interface	TWAIN, DirectShow
Data Interface	USB 2.0
Power	2.5W, Standby: 0.5W
Consumption	USB 5.0V
Power Supply	0~50°C
Working Temp.	-20~60°C
Dimension	101mm×90mm×49mm
Weight	500g

Dimensions (mm)

