

12 Megapixel Scientific CMOS Microscope Camera

MDY1203 / MDY1203M

Description

MDY1203 is a scientific grade USB 3.0 microscope camera equipped with 12 megapixel high sensitivity CMOS and a 64 Mb built-in buffer memory. It provides higher frame rate (15 fps at 12 MP) and more stable running. Featuring with low noise, high dynamic range, and great color reproduction, it is recommended to the applications such as HE, IHC, pathology etc. MDY1203 is perfect suitable for applications under low light conditions and in microscopy such as chemiluminescence, gel imaging, fluorescence imaging, DIC, living cells imaging and immunohistochemistry.

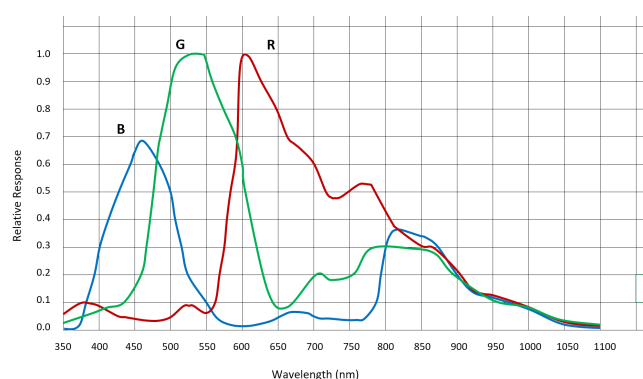
Features

- 1 inch rolling shutter sensor with 3.1 μm pixel size
- Super high speed USB 3.0 for both data and power Full resolution (12 MP) with up to 15 fps
- Super large field of view
- 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 / Dark field
- Histology
- Pathology
- Cytology
- GFP, FISH, NIR, FRET
- Metrology
- Life science
- Material science
- Semiconductor Inspection

Quantum Efficiency



Specifications

Model	MDY1203 / MDY1203M
Sensor Type	1" Sony CMOS
Resolution	4088H x 3072V (12MP)
Pixel Size	3.1 μm x 3.1 μm
Frame Rate	35 ps (4088 x 3072)
Filter	650nm IR Cut-off Filter
Optical Mount	C Mount
Shutter Type	Rolling
Exposure Time	100 μs ~10s
Exposure Control	Auto/ Manual / Regional Exposure
White Balance	Auto/ Manual / Regional
Spectral Response	400~650nm (with IR cut-off filter)
Operation System	Windows XP, 7, 8, 10
Software Interface	TWAIN, DirectShow
Data Interface	USB 3.0
Power Consumption	<3W, Standby: 1.5W
Power Supply	USB 5.0V
Working Temp.	0~50 $^{\circ}\text{C}$
Storage Temp.	-20~60 $^{\circ}\text{C}$
Dimension	90.3mm x 90.3mm x 31mm
Weight	500g

Dimensions (mm)

