

MD30-B - 3.0MP USB2.0 microscopecamera



MD30 is a microscope camera takes use of color CMOS sensor in 3 megapixels. It can be connected to any standard trinocular bio-microscope, stereo microscope and metallurgical microscope to achieve convenience microscope imaging. With advantages of high transmission speed, good color rendition, clear image and easy storage, etc. It is widely used in the field of microscopy for industrial quality management, teaching, material analysis, clinical examination and machine vision, etc.

Features:

3.0 megapixels
 32MB cache to store image data.
 1/2 inch CMOS sensor with 1X~8X effective gain.
 Exposure time long to 3000ms.
 Support DirectShow / TWAIN and secondary development.
 Can do measurement, count, multichannel synthesis etc.
 Camera alluminum alloy shell with frosted treatment.

Applications

Biological bright field slides
 Education and teaching
 Industry quality inspection
 Material checking
 Clinical examination
 Dental

Item	MD30-B
Effective resolution	3.0 Megapixels
Resolution	2048*1536
Sensor size	1/2 inch
Pixel size	3.2μm×3.2μm
Resolution and frame rate	2048×1536:12FPS
	1920×1080(ROI):18FPS
	1024×768(ROI):40FPS
	1024×768(2x2BIN):33FPS
	640×480(ROI):84FPS
	Any size ROI
Exposure time	47us ~ 3000ms
Effective gain	1X~8X
Spectral range	380nm ~ 650nm
Working mode	Progressive / Continuous
Trigger mode	Software trigger
Exposure mode	Electronic rolling shutter
A / D convert	8Bit
Exposure function	Manual / Auto / Area
White balance	Auto / One push / Area
Image format	TIF,BMP,JPG,RAW
Image cache	32MB
Software interface	DirectShow / TWAIN
OS	Windows XP 32Bit,Windows 7/8/10 32/64Bit
Data port	USB2.0 B type, 480Mb/s
Power	USB 5V power supply, Working 1W, Standby 0.7W
Working temperature	Working temperature: 0~50°C, Working humidity: 10%~90%RH(No condensation)