

21.0 Megapixels Cooling sCMOS camera



MSX11-C is MSHOT the highest resolution digital microscope camera, adding cooling technology for more pure fluorescence images with reduced noise. It's high performance ISP imaging sensor, optimize for microscope imaging applications. The camera accurately reproduce color and object fine details. Through hardware improving speed, it works smooth and faster even under super high resolution, good to fluorescence imaging, pathology diagnose, metallurgical analysis, stereo observation and other microscope observation.

Features

21.0 megapixels super high resolution

4/3 inch large size sensor, wide imaging field of view

High sensitivity to fluorescence and weak light

Superior color reproduction and details processing

Fastest 21fps under full resolution, high efficiency

Peltier cooling technology provides clear fluorescence image with less dark noise

Specification

Item	MSX11-C
Effective resolution	21.0 Megapixels
Resolution	5280*3956
Sensor size	4/3 inch
Pixel size	3.3 um*3.3 um
Max. Frame rate	21FPS@5280*3956
	21FPS@3840*2160 (UHD)
	21FPS@2640*1978 (sum2)
	95FPS@2640*1730 (skip)
	Any size of ROI
Exposure time	23us ~ 26s
Effective gain	1~16X
Cooling	Peltier cooling, below permissible ambient temeptrate 15°C
Spectral response	380nm ~ 650nm
Working mode	Progressive / continuous
Trigger	Software
Exposure	Electronic rolling
A / D convert	12Bit
Exposure function	Manual / Auto / Zone
White balance	Auto / One push / Zone
Image format	TIF, BMP, JPG, RAW
Image cache	128MB

Software port	DirectShow / TWAIN
Operating OS	Windows XP 32Bit, Windows 7/8/10 32/64Bit
Data port	USB3.0 5Gbps B type
Power supply	USB 5V
Work surrounding	Temperature: 0~40°C, humidity: 10%~90%RH (no)
Shell size	108.5mm*106.5mm*62.5mm