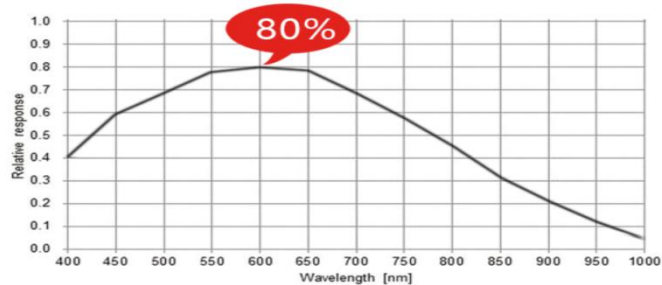


MSH05 - Monochrome camera



MSH05 is the latest launched monochrome sCMOS microscope camera, big sensor size 3/4” offers high sensitivity, low noise and high dynamic range, the characteristics combine with 5 megapixels high resolution makes the camera is ideal for scientific laboratory research, fluorescence signal capture and related weak light microscope imaging.

Features

- Monochrome sensor camera
- Big size 3/4 inch sensor
- 380~1000nm spectral response
- 5.0 megapixels
- 12.5fps at full resolution, fastest 60fps
- 1~60X effective gain get high sensitivity
- 64Mb cache to store image data
- Support DirectShow / TWAIN
- Offer 16 bit color depth image

Applications

- Weak fluorescence
- Weak light signal capture
- Semiconductor
- Entry level NIR
- Live cell imaging
- Flow cytometry
- Chemiluminescence
- FRET
- FISH
- DIC

Item	MSH05	
Effective resolution	500 Megapixels	
Sensor size	4/3 inch	
Pixel size	6.6μm × 6.6μm	
Resolution and frame rate	Resolution	Frame rate
	2560 × 1938	12.5FPS
	880 × 640	60FPS
	Any size of ROI	
Scanning mode	Progress / Continues	
Shutter type	Electronic shutter	
Exposure time	40μs – 10s	
Effective gain	1x – 60x	
Spectral response	380 – 1000nm	
A/D Conversion	12bit	
Image cache	64Mb	

Trigger mode	Software trigger
Exposure	Manual / Auto / Zone
White balance	Manual / One push / Zone
Image format	TIF,BMP,JPG,RAW
Software port	DirectShow / TWAIN
Operation OS	Windows XP 32bit,Windows 7/8/10 32/64bit
Data port	USB3.0 B type, 5Gb/s
Camera port	C-mount