

2MP/4MP High Sensitivity Camera

INDIGO
IMAGING



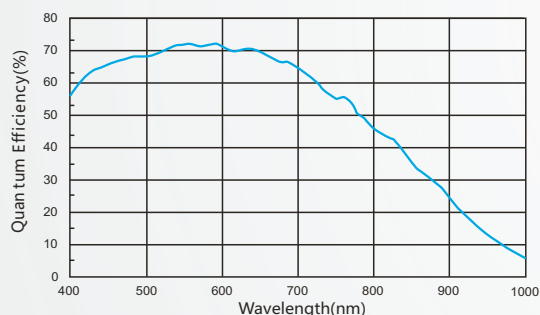
Applications

Short exposure lowlight imaging
Bio-fluorescence imaging
Industrial inspection
Spectral detection

Advantages

QE up to 72%@595nm
Low readout noise: 1.8e-
High dynamic range up to 88dB
64fps full frame output
Multi trigger mode design
USB 3.0 power supply

Quantum Efficiency



Specification

Product model	S-400-M-R-U	S-200-M-R-U
Sensor type	CMOS	CMOS
Resolution	2048x2048	2048x1152
Sensor size	1.2"	1"
Color	Monochrome	
Shutter type	Rolling Shutter	
Pixel size	6.5μm×6.5μm	
Quantum efficiency	72% @595nm	
Readout noise	1.8e-	
Full well capacity	48ke-	
Dynamic range	88dB	
Frame rate	36fps	64fps
Bit depth	8bit / 16bit	
Minimum illumination	0.001Lux	
Analog gain	High/Low Gain	
Exposure model	Auto, Manual, Trigger	
Exposure time	0.02ms~10s	
Image processing	Image Enhancement, Noise Reduction, Contrast, ROI, Noise Reduction, mirror reversal, external trigger, gain, etc.	
External trigger mode	Standard/synchronous/global/software trigger	
Signal output	Exposure/readout/global	
Optical interface	C/M42x0.75	
Data interface	USB3.0	
Power interface	USB 3.0	
Trigger interface	Hirose, HR10A-7R-6PB	
Power supply	5V	
Power consumption	<2.5W	
Size	Camera: 260g, 50mmx50mmx62mm	
Operating temperature	0°C~60°C	
Storage temperature	0°C~70°C	



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