

15MP High Sensitivity Camera



INDIGO
IMAGING



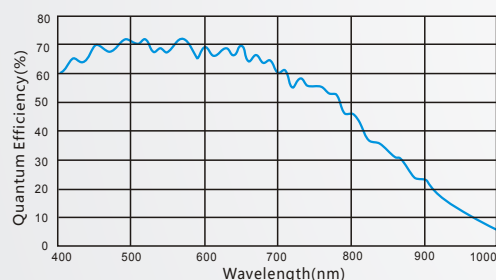
Applications

Night vision equipment Microscopic imaging
Astronomical imaging Gene sequencing machine vision

Advantages

70% @ 570nm High QE
4.25 μ m \times 4.25 μ m Pixel Size
78 dB Dynamic Rangemic
<1.5 e- Low Readout Noise
26 fps Full Frame Output
CameraLink High Speed Output

Quantum Efficiency



Specification

Product model	IDG-1500-M-R-CL
Sensor type	CMOS
Sensor size	1.6" 21.488mm x 12.614mm
Color	Monochrome
Resolution	5056 x 2968
Pixel size	4.25 μ m x 4.25 μ m
Shutter type	Rolling Shutter
Full well capacity	12.4ke-
Dynamic range	78dB
Frame rate	26fps
Bit depth	12bit / 16bit
Analog gain	x1 ~ x10
Quantum efficiency	71% @570nm
Exposure model	Manual
Exposure time	0.01ms ~ 10s
Image processing	Normal/horizontal flip/vertical flip/biaxial flip
Binning	2 x 2 / 4 x 4
External trigger mode	Differential trigger input
Signal output	Differential trigger output
Cooling method	Fan cooling optional
Power supply	12VDC
Data interface	Camera Link 80bit
Optical interface	C/M42x0.75
Power consumption	<5.6 W
Size	80x80x79mm(Camera) 73x73x62.55mm(Board)
Weight	635g
Temperature	Operating: 0 ~ 50 °C Storage: 0 ~ 70 °C



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