

MicroLine CCD Camera

MLx814

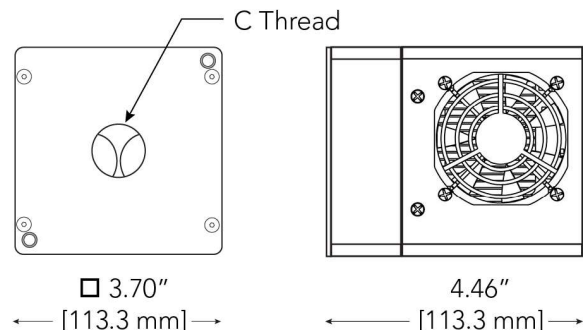
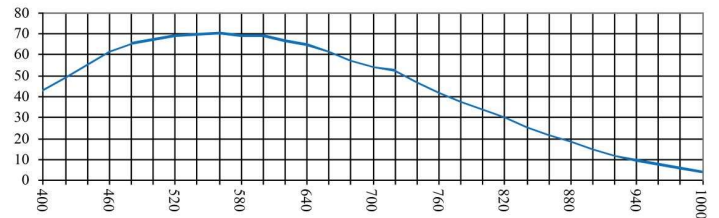
High quantum efficiency, exceptionally low read noise, and high spatial resolution make the MLx814 an ideal candidate for low light applications such as fluorescence.

Technical Data

Sensor Type	Interline transfer CCD
Sensor	Sony ICX814
Active Pixels	3380 x 2704
Pixel Size (microns)	3.69 x 3.69 μm
Imaging Area (Diagonal)	12.4 X 9.9 mm (15.8 mm)
Full Well Capacity (e-)	12000 electrons
Typical_Readout Noise	2.4e- at 1.5 MHz; 4.4e- RMS at 12 MHz
Typical Gain	0.17e-/ADU
Dynamic Range	73.7 dB
Anti-Blooming	Standard
Cooling Method	Air (Optional liquid)
Max. Cooling (Air)	58°C below ambient
Temperature Stability	0.1°C
Dark Current (typical)	0.002 eps at -30C
Interface	USB 2.0
Digitization Clock	Single channel 1.5 MHz and 12 MHz
Data Bit Depth	16 bit
Non-Linearity	<1%
Channels	1 (optional 2)
Shutter	No internal shutter; optional 25 mm
Lens Mount	C-mount; Nikon or Canon mount
Subarray Readout	Standard
External Trigger In/Out	Standard
SDK / Software	USB2 / FLIGrab
Weight	2.8 lbs (1.2 kg)
Environment	-30°C to 45°C 10% - 90% Relative Humidity
Power	12V (100-240V AC to 12V DC PS included). With TEC off: <1A. TEC at 100%: 4.4A.



Absolute Quantum Efficiency



MADE IN USA

Finger Lakes Instrumentation
<https://flicamera.com>
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