

MicroLine CCD Camera

MLx834 -- DISCONTINUED

High quantum efficiency, exceptionally low read noise, and high spatial resolution make the MLx834 an ideal candidate for low light applications such as fluorescence.

· Standard configuration: single channel at 12 MHz

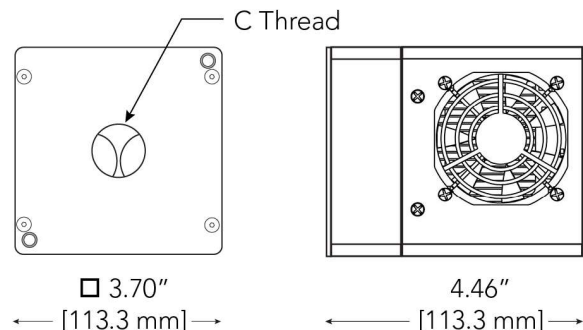
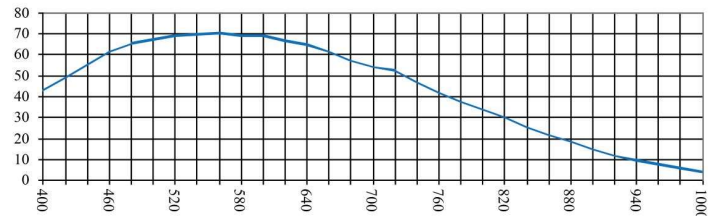
Technical Data

Sensor Type	Interline transfer CCD
Sensor	Sony ICX834
Active Pixels	4242 x 2830
Pixel Size (microns)	3.1 x 3.1 μm
Imaging Area (Diagonal)	13.1 X 8.7 mm (15.7 mm)
Full Well Capacity (e-)	8500 electrons
Typical_Readout Noise	4.5 e- RMS at 12 MHz
Typical Gain	0.14e-/ADU
Dynamic Range	65.2 dB
Anti-Blooming	unspecified
Cooling Method	Air (Optional liquid)
Max. Cooling (Air)	60°C below ambient
Temperature Stability	0.1°C
Dark Current (typical)	.001 eps at -30C
Interface	USB 2.0
Digitization Clock	Single channel 12 MHz (optional two
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.



Shown with C-mount; other mounts available

Absolute Quantum Efficiency



MADE IN USA

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