MicroLine CCD Camera

MLx674 -- DISCONTINUED

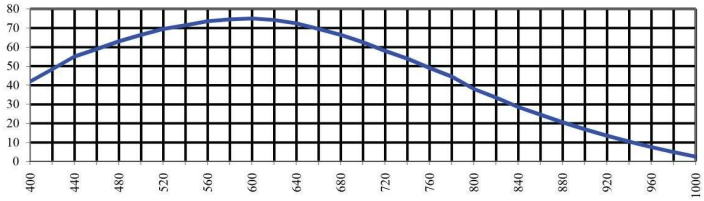
High quantum efficiency, exceptionally low read noise, and high spatial resolution make the MLx674 an ideal candidate for low light applications such as fluorescence.

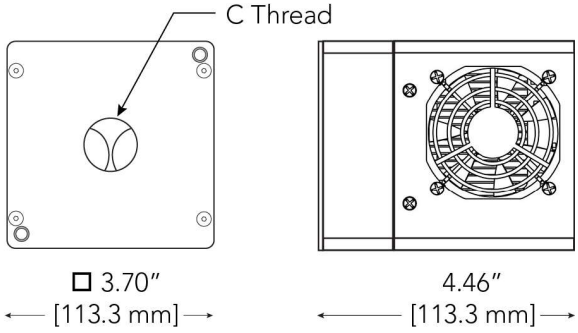
Shown with C-mount; other mounts available

Technical Data

Sensor Type	Interline transfer CCD
Sensor	Sony ICX674
Active Pixels	1940 x 1460
Pixel Size (microns)	4.54 x 4.54 µm
Imaging Area (Diagonal)	8.8 X 6.6 mm (11 mm)
Full Well Capacity (e-)	18000 electrons
Typical_Readout Noise	3e- at 1.5 MHz; 5.5e- RMS at 12 MHz
Typical Gain	.26e-/ADU
Dynamic Range	75.3 dB
Anti-Blooming	unspecified
Cooling Method	Air (Optional liquid)
Max. Cooling (Air)	55°C below ambient
Temperature Stability	0.1°C
Dark Current (typical)	.001 eps at -35C
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	Sensor has electronic shutter.
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
USA 585-624-3760