

MicroLine CCD Camera

ML77

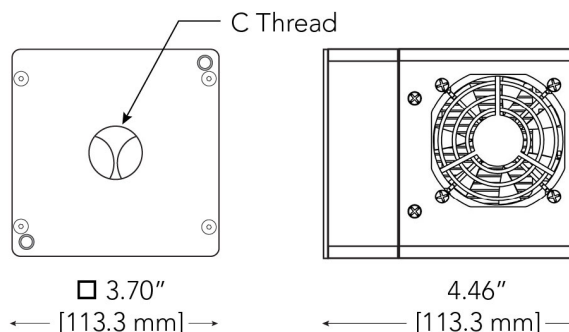
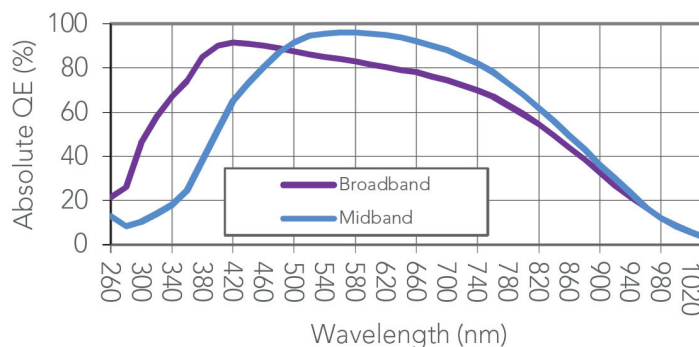
The back-illuminated CCD in the ML77 has large pixels with exceptionally high full well capacity. Larger pixels gather more light for improved signal-to-noise. Available with midband or broadband coating on the sensor.

Technical Data

Sensor Type	Back illuminated CCD
Sensor	e2v CCD77-00
Active Pixels	512 x 512
Pixel Size (microns)	24 x 24 μm
Imaging Area (Diagonal)	12.2 X 12.2 mm (17.2 mm)
Full Well Capacity	350000 electrons
Typical_Readout Noise	15e- at 750 kHz; 25e- at 3.6 MHz
Typical Gain	4e-/counte-/ADU
Dynamic Range	87.0 dB
Anti-Blooming	NA
Cooling Method	Air (Optional liquid)
Max. Cooling (Air)	60°C below ambient
Temperature Stability	0.1°C
Dark Current (typical)	0.2 eps at -30C
Interface	USB 2.0
Digitization Clock	750 kHz and 3.6 MHz
Data Bit Depth	16 bit
Non-Linearity	<1%
Channels	1
Shutter	25mm
Lens Mount	C-mount; optional Nikon or Canon
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 power supply included). With TEC off: <1A.



Absolute Quantum Efficiency



See www.flicamera.com for alternate configurations