

ProLine CCD Camera

PL4240

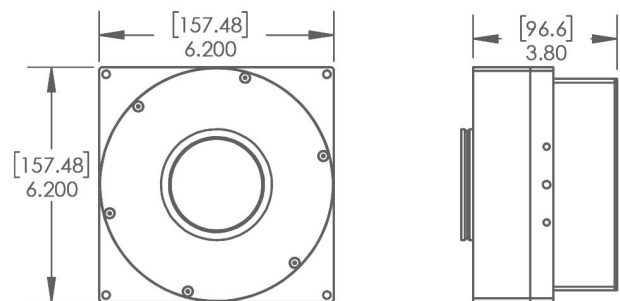
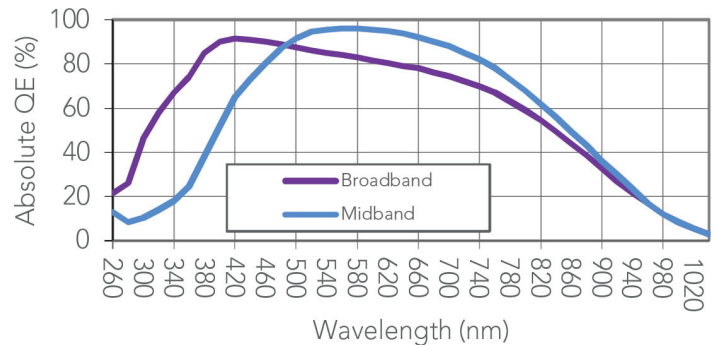
The PL4240 has long been a standard for long integration low light applications. Its large format back-illuminated CCD has exceptionally high quantum efficiency and deep full well capacity. Proprietary sealing technology offer years of reliable, maintenance-free operation.

Technical Data

Sensor Type	Back Illuminated CCD
Sensor	e2v CCD42-40-1-368 (MB) or -153 (BB)
Active Pixels	2048 x 2048
Pixel Size (microns)	13.5 x 13.5 μm
Imaging Area (Diagonal)	27.6 X 27.6 mm (39 mm)
Full Well Capacity	100000 electrons
Typical_Readout Noise	10 e- RMS @ 500 kHz; 14 e- @ 2 MHz
Typical Gain	1.35e-/ADU
Dynamic Range	79.7 dB
Anti-Blooming	None
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	500 kHz and 2 MHz (software
Data Bit Depth	16 bits
Non-Linearity	<1%
Channels	1
Shutter	65 mm
Lens Mount	Optional Nikon F-mount or Canon EOS
Subarray Readout	Standard
External Trigger In/Out	Standard
SDK / Software	USB2 / FLIGrab
Weight	5.6 lbs (2.5 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