

MicroLine CCD Camera

MLx285

High quantum efficiency and exceptionally low read noise give the MLx285 sensitivity down to microlux from visible to the near infrared.

Technical Data

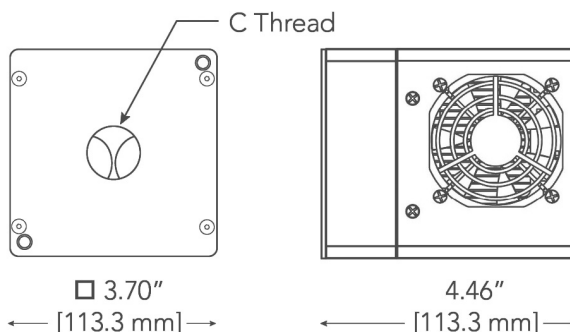
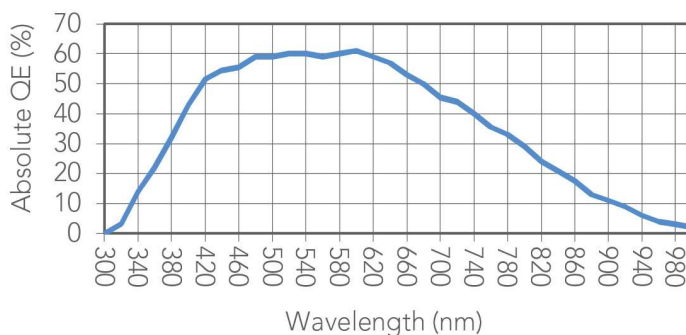
Sensor Type	Interline transfer CCD
Sensor	Sony ICX285
Active Pixels	1360 x 1024
Pixel Size (microns)	6.45 x 6.45 μm
Imaging Area (Diagonal)	8.7 X 6.6 mm (10.9 mm)
Full Well Capacity	20000 electrons
(e-) Typical_Readout Noise	4.5e- @ 7 MHz
Typical Gain	0.34e-/ADU
Dynamic Range	72.7 dB
Anti-Blooming	Yes (unspecified)
Cooling Method	Air (optional liquid)
Max. Cooling (Air)	60°C below ambient
Temperature Stability	0.1°C
Dark Current (typical)	0.0001 eps at -40C
Interface	USB 2.0
Digitization Clock	7 MHz
Data Bit Depth	16 bit
Non-Linearity	<1%
Channels	1
Shutter	Electronic; optional 25 mm
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.
TEC at 100%: 4.4A. (Optional Electromechanical Shutter open: 4A pulse for 100msec. Shutter held open, add 0.22A.)



C-mount version; other mounts available

Absolute Quantum Efficiency



See www.flicamera.com for alternate configurations



MADE IN USA

Finger Lakes Instrumentation
www.flicamera.com
USA 585-624-3760