

Hyperion CCD Camera

HPx285

The HPx285 was developed in response to a customer's need for a different form factor for the MLx285. High quantum efficiency and exceptionally low read noise give the HPx285 sensitivity down to microlux from visible to the near infrared.

Technical Data

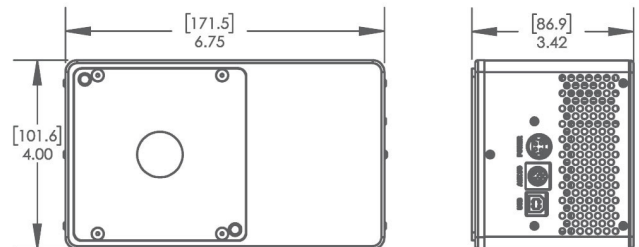
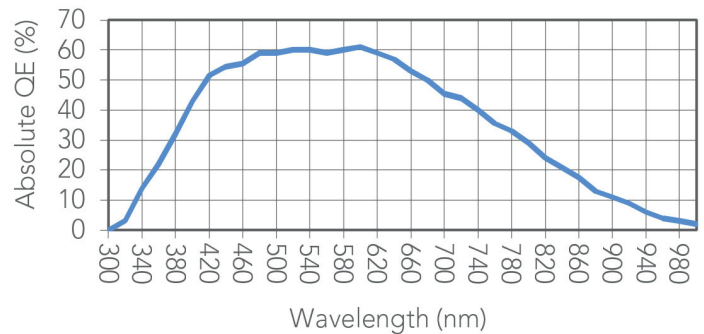
Sensor Type	Interline transfer CCD
Sensor	Sony ICX285AL
Active Pixels	1360 x 1024
Pixel Size (microns)	6.45 x 6.45 μm
Imaging Area (Diagonal)	8.7 X 6.6 mm (10.9 mm)
Full Well Capacity	18000 electrons
(e-) Typical_Readout Noise	5 e- RMS @ 6 MHz
Typical Gain	0.35e-/ADU
Dynamic Range	70.8 dB
Anti-Blooming	Yes
Cooling Method	Air (Optional liquid)
Max. Cooling (Air)	60°C below ambient
Temperature Stability	0.1°C
Dark Current (typical)	eps at -40C
Interface	USB 2.0
Digitization Clock	6 MHz
Data Bit Depth	16 bit
Non-Linearity	<1%
Channels	1
Shutter	Sensor has electronic shutter.
Lens Mount	C-mount; Optional Nikon or Canon
Subarray Readout	Standard
External Trigger In/Out	Standard
SDK / Software	USB2 / FLIGrab
Weight	3.4 lbs (1.5 kg)
Environment	-30°C to 45°C 10% - 90% Relative Humidity
Power	

12V (100-240V AC to 12V DC power supply included).



HP with Optional Liquid Circulation

Absolute Quantum Efficiency



See www.flicamera.com for alternate configurations