

Hyperion CCD Camera

HPx695

The HPx695 was developed in response to a customer's need for a different form factor for the MLx695. High quantum efficiency and exceptionally low read noise give the HPx695 sensitivity down to microlux from visible to the near infrared.

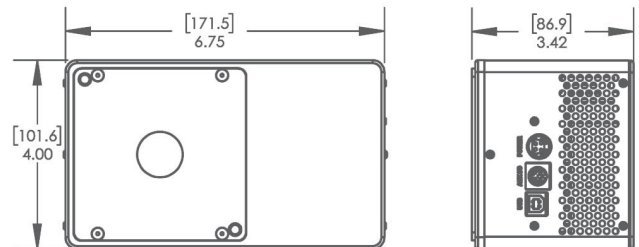
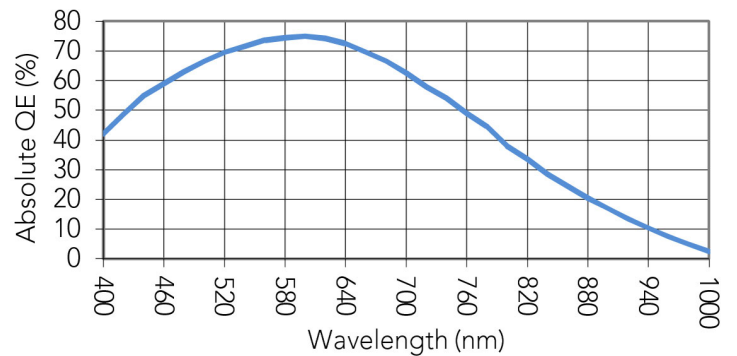
Technical Data

Sensor Type	Interline transfer CCD
Sensor	Sony ICX695AL
Active Pixels	2750 x 2200
Pixel Size (microns)	4.54 x 4.54 μm
Imaging Area (Diagonal)	12.4 X 9.9 mm (15.8 mm)
Full Well Capacity	17000 electrons
(e-) Typical_Readout Noise	3 e- RMS @ 1.5 MHz
Typical Gain	0.26e-/ADU
Dynamic Range	74.8 dB
Anti-Blooming	Yes
Cooling Method	Air (Optional liquid)
Max. Cooling (Air)	55°C below ambient
Temperature Stability	0.1°C
Dark Current (typical)	0.0007 eps at -30C
Interface	USB 2.0
Digitization Clock	1.5 MHz; 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).



Absolute Quantum Efficiency



See www.flicamera.com for alternate configurations