Revelation CMOS Camera

RV533

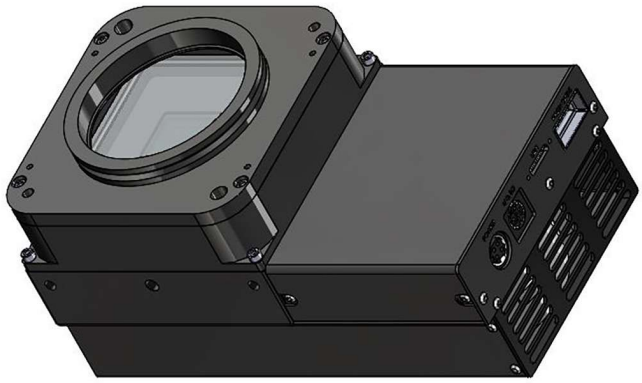
9 Megapixels with 91% Quantum Efficiency

Made in USA with the same extreme reliability FLI's OEM customers rely on. Install in remote observatories around the world with complete confidence in a long, trouble-free life. High sensitivity CMOS camera with 91% quantum efficiency and 16 mm diagonal field of view is an ideal replacement for 1" format CCDs.

Technical Data

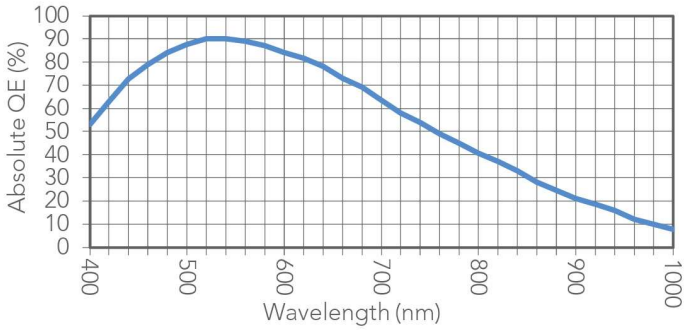
Sensor Type	Back Illuminated CMOS
Sensor	Sony IMX533
Shutter Type	Rolling; Rolling with Global Reset
Active Pixels	3003 x 3003
Pixel Size (microns)	3.76 x 3.76 µm
Imaging Area (Diagonal)	11.3 X 11.3 mm (16 mm)
Full Well Capacity (e-)	50000 electrons
Typical Readout Noise	1 e- (rolling)
Dynamic Range	93.6 dB
Frame Rate (fps)	20 fps
Cooling Method[1]	Air or optional Liquid
Max. Cooling (Air)	50°C below ambient
Temperature Stability	0.1°C
Dark Current (typical)	0.002 eps at -20C
Interface	USB 3.0
Data Bit Depth	12 / 14 bit
Optional Shutter	None
Optional Mounts	Nikon F-Mount
Subarray Readout	Yes
External Trigger In/Out	Yes
SDK / Software	LIBFLI / FLIGrab
Weight	2 lbs (.9 kg)

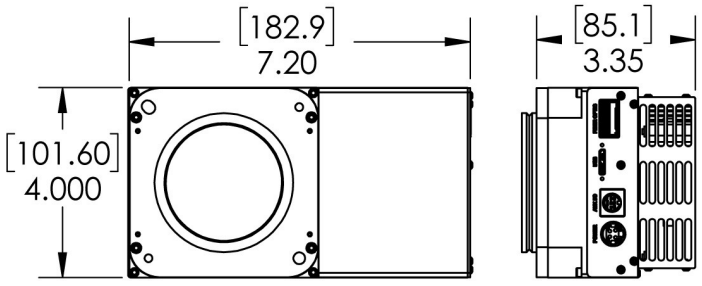
[1]Cameras are plumbed for liquid circulation; External liquid circulation connectors sold separately.



Revelation with FLI Dovetail Flange

Absolute Quantum Efficiency





See FLIcamera.com for alternate configurations

MADE IN USA

Finger Lakes Instrumentation
FLIcamera.com
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