Aurora CMOS Camera

AR533

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.



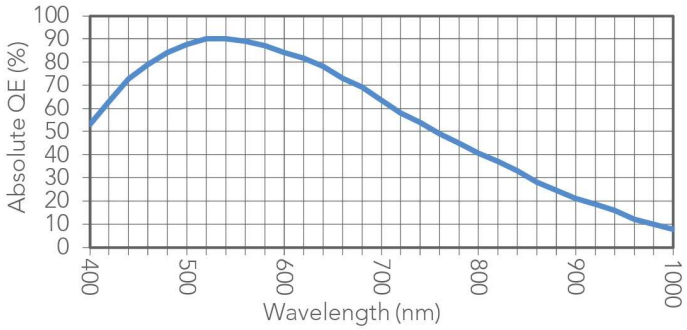
Aurora with FLI Dovetail Flange

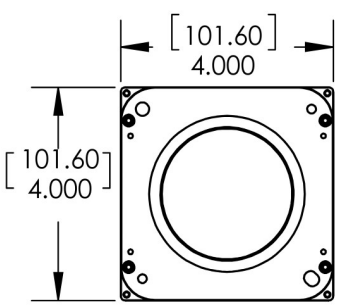
Technical Data

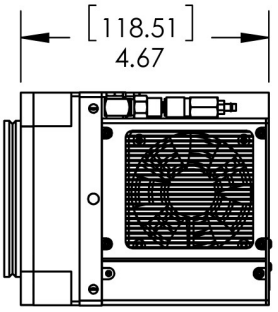
Sensor Type	Back Illuminated CMOS
Sensor	Sony IMX533
Shutter Type	Rolling; Rolling with Global Reset
Active Pixels	3003 x 3003
Pixel Size (microns)	3.76 x 3.76 µm
Imaging Area (Diagonal)	11.3 X 11.3 mm (16 mm)
Full Well Capacity (e-)	50000 electrons
Typical Readout Noise	1 e- (rolling)
Dynamic Range	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.

Absolute Quantum Efficiency







See FLIcamera.com for alternate configurations

MADE IN USA

Finger Lakes Instrumentation
FLIcamera.com
USA 585-624-3760