FINGER LAKES INSTRUMENTATION

AURORA CMOS CAMERA

AR411.

DATASHEET flicamera.com/models/ar411

PRODUCT PAGE

MADE IN USA

151 Megapixels with 2 fps at 16 bits

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. Large format sensor with 91% quantum efficiency and massive 66.7 mm diagonal field of view to increase throughput.



Aurora with FLI Dovetail Flange

KEY SPECIFICATIONS

SENSOR	SIZE (MM)	RESOLUTION	PIXEL SIZE
Sony IMX411	53.4 X 40 mm (66.7 mm)	14192 x 10640	3.76 x 3.76 µm

FULL WELL	READ NOISE	DARK CURRENT	PEAK Q.E.
50000 electrons	1 e- (rolling)	0.002 eps at -20C	91%

TECHNICAL DATA

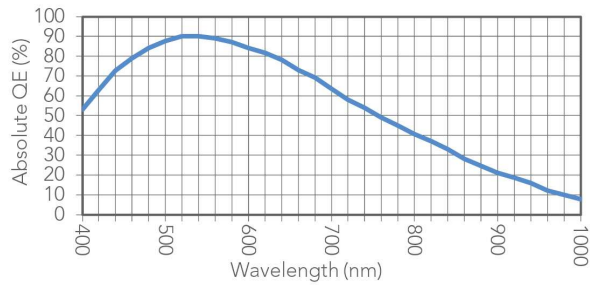
Sensor Type	Back Illuminated CMOS
Shutter Type	Rolling
Pixel Size (microns)	3.76 x 3.76 µm
Full Well Capacity (e-)	50000 electrons
Dynamic Range	93.6 dB
Cooling Method	Air or optional Liquid [1]
Temperature Stability	0.1°C
Interface	USB 3.0
Optional Shutter	None
Subarray Readout	Yes

Sensor	Sony IMX411
Active Pixels	14192 x 10640
Imaging Area (Diagonal)	53.4 X 40 mm (66.7 mm)
Typical Readout Noise	1 e- (rolling)
Frame Rate (fps)	2 fps (16 bit)
Max. Cooling (Air)	50°C below ambient
Dark Current (typical)	0.002 eps at -20C
Data Bit Depth	12 / 16 bit
Optional Mounts	Nikon F-Mount
External Trigger In/Out	Yes

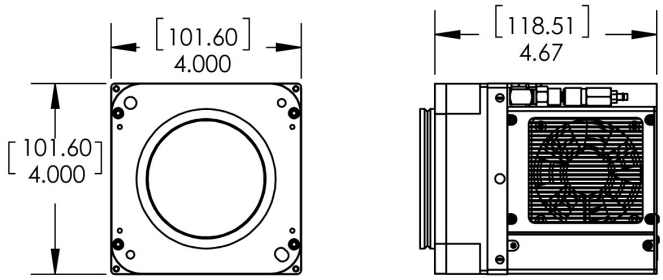
SDK / Software	LIBFLI / FLIGrab	**Weight**	2 lbs (.9 kg)
Peak QE	91%		

TECHNICAL FIGURES

Absolute quantum efficiency



Mechanical outline



NOTES AND OPERATING CONDITIONS

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

See FLIcamera.com for alternate configurations

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Request a quote for AR411

REQUEST A QUOTE

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