FINGER LAKES INSTRUMENTATION

AURORA SCMOS CAMERA

AR571.

DATASHEET flicamera.com/models/ar571

PRODUCT PAGE

MADE IN USA

26.1 Megapixels at Up to 7 fps

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 with exceptionally low noise and dark current. Great combination of resolution and frame rate.



Aurora with FLI Dovetail Flange

KEY SPECIFICATIONS

SENSOR	SIZE (MM)	RESOLUTION	PIXEL SIZE
Sony IMX571	23.5 X 15.7 mm (28.2 mm)	6244 x 4168	3.76 x 3.76 µm

FULL WELL	READ NOISE	DARK CURRENT	BIT DEPTH
50000 electrons	1 e- (rolling)	0.002 eps at -20C	12 / 16 bit

TECHNICAL DATA

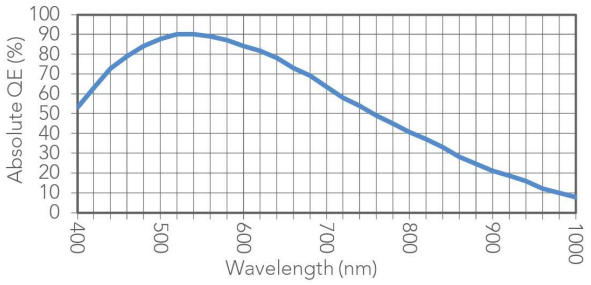
Sensor Type	Back Illuminated sCMOS
Shutter Type	Rolling; Rolling with Global Reset
Pixel Size (microns)	3.76 x 3.76 µm
Full Well Capacity (e-)	50000 electrons
Dynamic Range	93.6 dB
Cooling Method	Air or optional Liquid [1]
Temperature Stability	0.1°C
Interface	USB 3.0
Optional Shutter	None
Subarray Readout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

Sensor	Sony IMX571
Active Pixels	6244 x 4168
Imaging Area (Diagonal)	23.5 X 15.7 mm (28.2 mm)
Typical Readout Noise	1 e- (rolling)
Frame Rate (fps)	7 fps
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

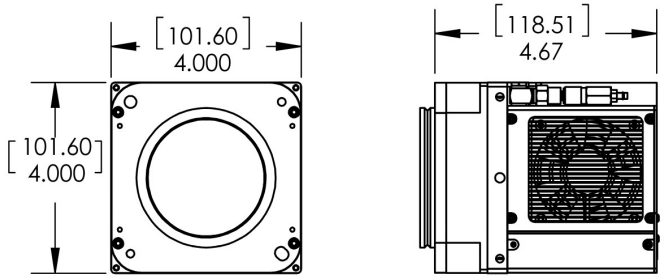
SDK / Software	LIBFLI / FLIGrab	**Weight**	2 lbs (.9 kg)

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 AR571

REQUEST A QUOTE

flicamera.com/models/ar571 · USA 585-624-3760