

BioLine CMOS Camera

BL428

PRELIMINARY

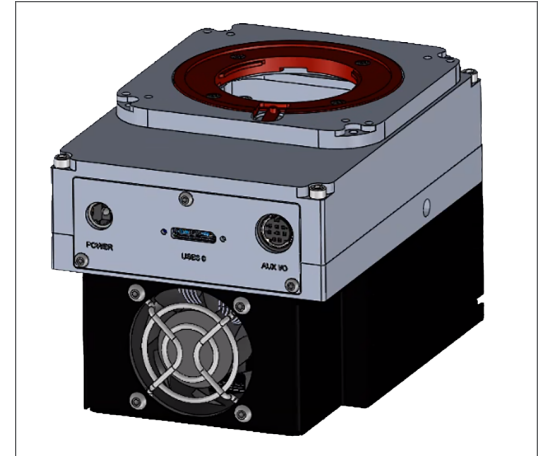
Ideal Upgrade for the KAI-04050

The BioLine BL428 cooled CMOS camera provides high sensitivity, low noise, and high frame rates, all at a game-changing price to performance ratio.

Technical Data

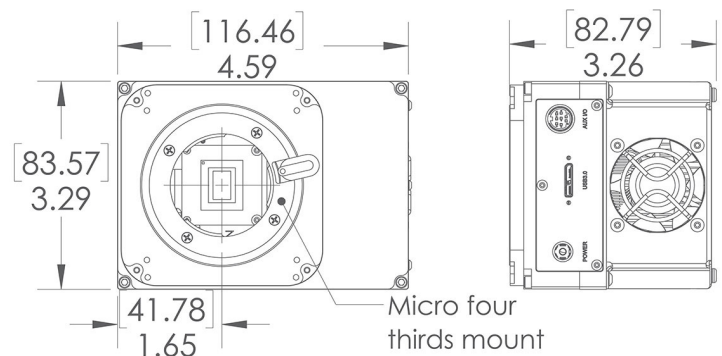
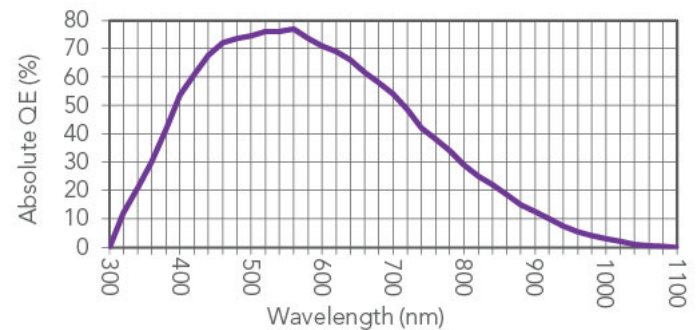
Sensor Type	Front Illuminated CMOS
Sensor	Sony IMX428
Shutter Type	Global
Active Pixels	3208 x 2200
Pixel Size (microns)	4.5 x 4.5 μm
Imaging Area (Diagonal)	14.4 X 9.9 mm (17.4 mm)
Full Well Capacity	16000 electrons
Typical Readout Noise	3.9 e-High gain
Dynamic Range	72.0 dB
Frame Rate	26 fps
Cooling Method ¹	Air or optional Liquid
Max. Cooling (Air)	40°C below ambient
Temperature Stability	0.1°C
Dark Current (typical)	0.03 eps at -15C
Interface	USB 3.0
Data Bit Depth	12 bit
Optional Shutter	None
Optional Mounts	C-mount; Micro 4/3
Subarray Readout	Yes
External Trigger In/Out	Yes
SDK / Software	Kepler / FLI Pilot
Weight	2 lbs (.9 kg)

¹ Liquid circulation connectors sold separately



BL428 with air cooling

Absolute Quantum Efficiency



See www.flicamera.com for alternate configurations