

Kepler CMOS Camera

KL400 FI

1.5 e- Noise RMS

The Kepler KL400 FI provides high sensitivity, ultra-low noise with high frame rates, all at a game-changing price to performance ratio. The front illuminated version does not have microlenses.

Technical Data

Sensor Type	Front Illuminated CMOS
Sensor	GPixel GSense400
Shutter Type	Rolling
Active Pixels	2048 x 2048
Pixel Size (microns)	11 x 11 μm
Imaging Area (Diagonal)	22.5 X 22.5 mm (31.9 mm)
Full Well Capacity (e-)	120000 electrons
Typical Readout Noise	1.5 e-
Dynamic Range	97.7 dB
Frame Rate (fps)	24 HDR; 48 LDR
Cooling Method¹	Air and Liquid
Max. Cooling (Air)	45°C below ambient
Temperature Stability	0.1°C
Dark Current (typical)	0.15 eps at -20C
Interface	USB 3.0
Data Bit Depth	16 bit ²
Optional Shutter	45 mm
Optional Mounts	Nikon or Canon
Subarray Readout	Standard
External Trigger In/Out	Standard
SDK / Software	Kepler SDK (Open Source) /
Weight	3 lbs (1.3 kg)

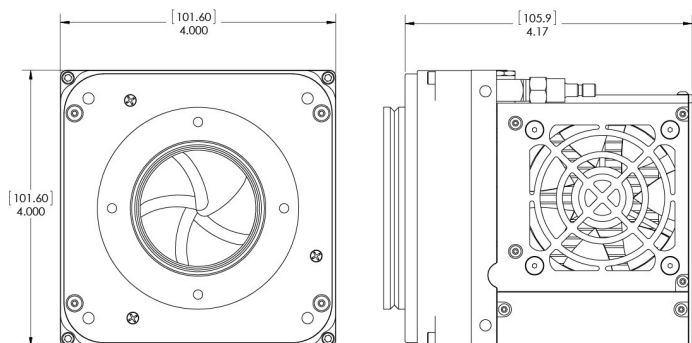
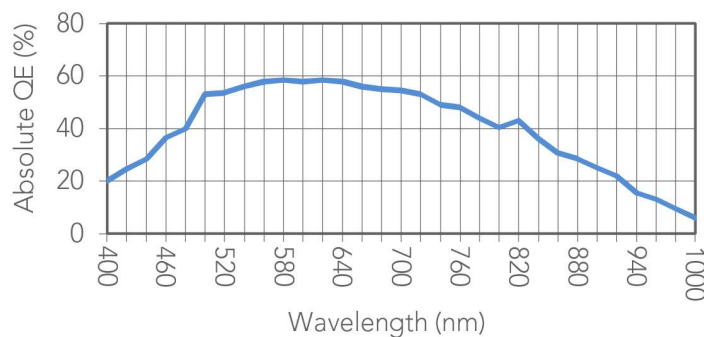
¹ Liquid circulation connectors sold separately

² 16-bit data merged from two 12 bit converters



Also available with 45mm shutter

Absolute Quantum Efficiency



See FLIcamera.com for alternate configurations



Finger Lakes Instrumentation
FLIcamera.com
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