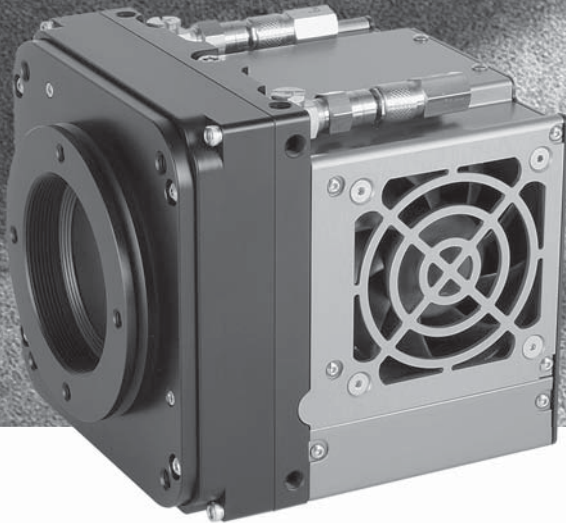


The most sensitive sCMOS camera available..

Kepler KL400



2048 X 2048
95% Peak QE
11 Micron Pixels
1.5 e- Read Noise
89k e- Well Capacity
ΔT 60°C Sensor Cooling
USB 3 supplied as standard
Fiber Optic Interface (optional)

Sensor Type	Back illuminated
Active Pixels	2048 x 2048
Pixel Size (microns)	11 x 11
Imaging Area	22.5 x 22.5 mm
Sensor Diagonal	31.9 mm
Full Well Capacity	89000 Electrons
Frame rate (rolling)	48 fps
	24 fps HDR
Read Noise (rolling)	1.5 e- HDR
Dynamic Range	96 dB HDR
Peak QE	95%
Cooling	Air and Liquid
Maximum Cooling (Air)	60°C Below Ambient
Dark Current	0.4 e/p/s at -20C
Interface	USB 3.0
Interface (Optional)	SFP
Data Bit Depth ²	16 bit
Mount	F-mount
Video size	2.0"
Subarray Readout	Yes
Electromechanical Shutter	Optional
Ex Trigger In	Yes
Ex Trigger Out	Yes
Software	FLI

The Kepler KL400 from Finger Lakes Instrumentation offers a rare combination of imaging attributes: high quantum efficiency (QE), ultra low read-noise, deep sensor cooling and fast frame rates. The result is an ultra-sensitive sCMOS camera capable of capturing high dynamic range images in a single shot.

The KL400 is ideal for low-light applications including Confocal Microscopy, Light Sheet Microscopy, TIRF and GFP, Forensic Sciences, Photocell Inspection, Orbital Debris Detection and Super Resolution Microscopy.

Supplied with three operational modes: High Gain, Low Gain and High Dynamic Range.

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