MicroLine CCD Camera

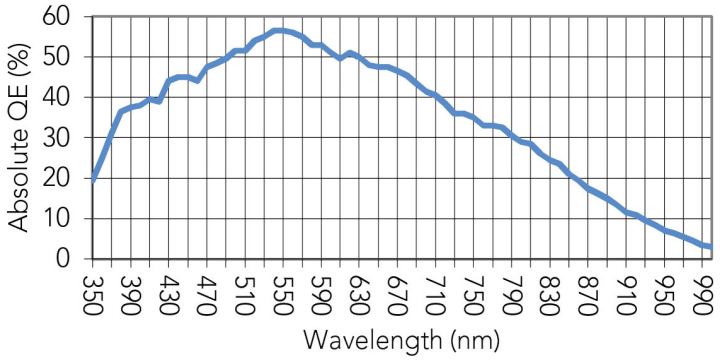
ML8300

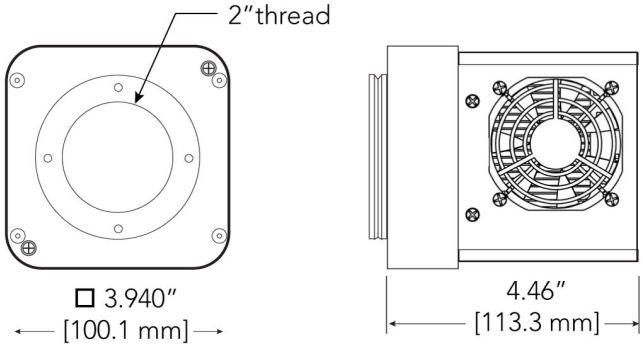
Since its introduction, the ML8300 has been a standard for value and outstanding performance, popular with life science OEMs as well as astrophotographers.
"The raw, uncalibrated images from ML8300 were the most noise-free images I have ever taken with an astronomical CCD camera." *Sky & Telescope*

Technical Data

Sensor Type	Front Illuminated CCD
Sensor	ON Semi KAF-8300
Active Pixels	3326 x 2504
Pixel Size (microns)	5.4 x 5.4 µm
Imaging Area (Diagonal)	17.9 X 13.5 mm (22.4 mm)
Full Well Capacity	25,500 electrons
Typical_Readout Noise	11 e- RMS @ 8 MHz
Typical Gain	0.4e-/ADU
Dynamic Range	67.0 dB
Anti-Blooming	1000x
Cooling Method	Air (Optional liquid)
Max. Cooling (Air)	55°C below ambient
Temperature Stability	0.1°C
Dark Current (typical)	<0.001 eps at -35C
Interface	USB 2.0
Digitization Clock	8 MHz
Data Bit Depth	16 bit
Non-Linearity	<1%
Channels	1
Shutter	45 mm
Lens Mount	Optional Micro 4/3, Nikon, or Canon
Subarray Readout	Standard
External Trigger In/Out	Standard
SDK / Software	USB2 / FLIGrab
Weight	2.95 lbs (1.3 kg)
Environment	-30°C to 45°C | 10% - 90% Relative Humidity
Power	12V (100-240V AC to 12V DC power supply included). With TEC off: <1A.

Absolute Quantum Efficiency





See www.flicamera.com for alternate configurations

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