## MicroLine ML0261E

## Quality. Cooled. Cameras.

# 512 x 512 Imaging Array Size 20 μm Pixel Size

At 3.7 x 3.7 x 5 inches the MicroLine is a small camera with big camera capabilities. Each component of the MicroLine camera is designed and manufactured for a long life in the most demanding conditions. MicroLine download speeds are fast yet maintain the 16-bit resolution necessary to produce high quality images. MicroLine achieves a minimum of 60° C sustainable cooling without water assist. Simply set the MicroLine cooling where you want it and the camera will do the rest, quickly and without worries.



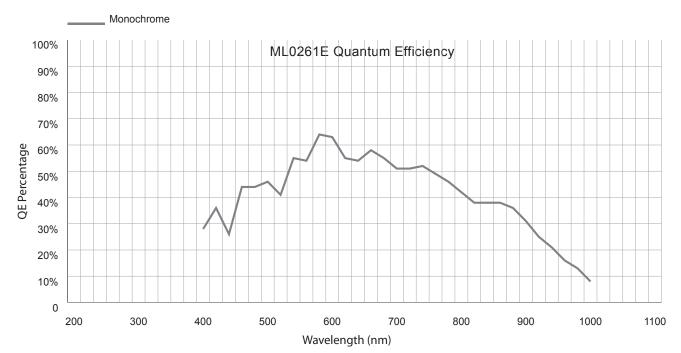
## Applications

Digital Radiography	Gel Documentation
Astronomy	Forensic Imaging
Bioluminescence	Satellite Imaging
Chemoluminescence	Low Light Level Imaging

Features	Benefits
2. 8 MHz Download Speed	Fast image capture with full 16-bit resolution
512 x 512 Array Size / 20 μm Pixel Size	Resolves fine detail
Flexible Binning and Readout	Increases frame rate
Thermoelectric Cooling to -60° C	Excellent low-noise imaging
Excellent Quantum Efficiency	High sensitivity
C-Mount and F-Mount Compatible	Offers a wide variety of optical choices
Acquisition Software	Supplied with camera and includes our open source SDK
USB 2.0 Interface	Industry standard connectivity, fast data transfer



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ML0261E Specifications		
Sensor	KAF-0261E	
Array Size	512 x 512	
Pixel Size	20 μm	
Typical Minimum Cooling	-60° C Below Ambient	
Typical Download Speed @ 16-bit	2.8 MHz (other speeds available)	
Typical System Noise	9 e- RMS @ 2.8 MHz	
Nonlinearity	<1%	
Temperature Stability	0.1° C	
Operating Environment	-30° C - 45° C   10% - 90% Relative Humidity	
Sensor Manufacturer	Kodak	
CCD Grades Available	Standard	
ССД Туре	Front Illuminated	
Color/Monochrome	Monochrome	
Mega Pixels	0.26	
Sensor Diagonal	14.5 mm	
Linear Full Well	200,000 e-	
Typical Dark Current	<0.3 e-/pixel/sec. @ -35° C	
Anti Blooming	None	
Available Shutters	25 mm	
Shutter MTBF	1,000,000	
Remote Triggering	Standard	
Power	12v	
Interface	USB 2.0	
Dimensions	3.70 x 3.70 x 4.77 (94 x 94 x 121.3)	



\* Due to continuous development all specifications subject to change

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