

STL-11000M/CM Typical Specifications	
Imaging CCD	Kodak Enhanced KAI-11000M/CM
Pixel Array	4008 x 2672 pixels, 36 x 24.7 mm
Total Pixels	11 million
Pixel Size	9 x 9 microns
Full Well Capacity (NABG)	50,000 e ⁻
Dark Current	0.5 e ⁻ /pixel/second at 0 degrees C
Antiblooming	ABG only
Shutter	Electromechanical and Electronic
Exposure	0.001 to 3600 seconds, 10ms resolution
Correlated Double Sampling	Yes
A/D Converter	16 bits
A/D Gain	0.8e ⁻ /ADU unbinned, 1.6e ⁻ binned
Read Noise	13e ⁻ RMS
Binning Modes	1 x 1, 2 x 2, 3 x 3
Full Frame Download	26 seconds
Cooling - standard	Two-Stage Thermoelectric, Water Assist, -40 C from Ambient Typical
Temperature Regulation	±0.1°C
Power	10 - 18VDC, 12VDC nominal, Universal AC to 12VDC desktop supply
Computer Interface	USB 1.1
Computer Compatibility	Windows 98/NT/2000/Me/XP/Mac OS-X
Guiding	Dual CCD Self-Guiding Standard, Remote Guiding Head Optional
Dimensions	6.5 x 6 x 3.5" (16.5 x 15.2x8.9cm)
Weight	4 pounds (1.8 Kg) without filters
Internal Filter Carousel	5 positions for 48mm threaded cells or 2" unmounted filters (optional)
Mounting	2" nosepiece included
Backfocus	Approximately 1.7 inches (~4.3 cm) with 2" nosepiece attached

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