

Appendix E - Third Party Vendors Supporting SBIG Products

Model STL-6303E Typical Specifications																															
CCD SPECIFICATIONS																															
Imaging CCD	Kodak Enhanced KAF-6303E																														
Pixel Array	3060 x 2040 pixels, 27.5 x 18.4 mm																														
Total Pixels	6 million																														
Pixel Size	9 x 9 microns																														
Full Well Capacity (NABG)	100,000 e ⁻																														
Dark Current	1e ⁻ /pixel/second @ 0 degrees C																														
Antiblooming	NABG standard, ABG optional																														
READOUT SPECIFICATIONS																															
Shutter	Electromechanical																														
Exposure	0.11 to 3600 seconds, 10ms resolution																														
Correlated Double Sampling	Yes																														
A/D Converter	16 bits																														
A/D Gain	2.3e ⁻ /ADU																														
Read Noise	15e ⁻ RMS																														
Binning Modes	1 x 1, 2 x 2, 3 x 3																														
Full Frame Download	14 seconds																														
SYSTEM SPECIFICATIONS																															
Cooling - standard	Two-Stage Thermoelectric, Water Assist, -50 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 95/98/NT/2000/Me/XP																														
Guiding	Dual CCD Self-Guiding Standard, Remote Guiding Head Optional																														
PHYSICAL SPECIFICATIONS																															
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																														
KAF-6303E Quantum Efficiency (Spectral Response)	<p style="text-align: center;">Quantum Efficiency STL-6303E</p> <table border="1" style="margin: auto; border-collapse: collapse;"> <caption>Approximate data points from the Quantum Efficiency graph</caption> <thead> <tr> <th>Wavelength (nm)</th> <th>% QE</th> </tr> </thead> <tbody> <tr><td>400</td><td>30</td></tr> <tr><td>450</td><td>45</td></tr> <tr><td>500</td><td>50</td></tr> <tr><td>550</td><td>65</td></tr> <tr><td>580</td><td>68</td></tr> <tr><td>600</td><td>65</td></tr> <tr><td>650</td><td>65</td></tr> <tr><td>700</td><td>55</td></tr> <tr><td>750</td><td>45</td></tr> <tr><td>800</td><td>30</td></tr> <tr><td>850</td><td>25</td></tr> <tr><td>900</td><td>15</td></tr> <tr><td>950</td><td>5</td></tr> <tr><td>1000</td><td>0</td></tr> </tbody> </table>	Wavelength (nm)	% QE	400	30	450	45	500	50	550	65	580	68	600	65	650	65	700	55	750	45	800	30	850	25	900	15	950	5	1000	0
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