



# SIROCCO POINT SIX

## *HIGH PERFORMANCE DIGITAL VIDEO RECORDING SYSTEMS*

Applications for the Sirocco system include those areas where long duration recording at high frame rates is important, at more resolution than is available through High Definition systems, and where image analysis is critical. These applications include high speed imagery, slow motion HD, special effects design for feature film and television productions, sports broadcasting, ballistic missile testing, vehicle crash testing, vehicle and weapons tracking (as was demonstrated by the tracking of a Space Shuttle launch) and critical surveillance applications.

The Sirocco system is a very flexible, modular system –there are a wide range of possible configurations and options.

### *Specifications – Sirocco Point Six*

	Unit of Measure	Performance
Resolution	Pixel Density	720: 1280 x 720
		1080: 1280 x 1024
Output Formats		720p - 23.98 fps, 24, 25, 29.97, 30, 50, 59.94, 60
		1080i - 23.98 fps, 24, 25, 29.97, 30, 50, 59.94, 60
		1080psf - 23.98 fps, 24, 25, 29.97, 30, 50, 59.94, 60
Frame Rate	Frames per second	Up to 200 (option to 300)
Record Speed	Gigabytes/second	0.600
Record Time (Duration)	Minutes	10 (option to 600 <sup>+</sup> )
Simultaneous Play-back/Recording		Included
Compression Ratio		None
Storage Capacity – Disk	Terabytes	0.25 (option to 12 <sup>+</sup> )
Image Memory in Camera		None – streaming to disk
Sensor		CMOS
Shutter		Snap
Optical Size	Inch	1.25
Shutter Exposure Time Range	Seconds	2µs to > 33msec
Pixel Size	µm	12.0 x 12.0
Recording Format		Color or grayscale
Network Interface I/O Ports		Gigabit Ethernet interfaces supporting 10BASE-T, 100BASE-TX & 1000BASE-T



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#### Specifications Continued – Point Six

	Unit of Measure	Performance
Control Communication		TCP/IP
Lens Control Interface		Dual RS422/232
Exposure Control		User programmable
Frame Rate Control		User programmable
Lens Mount – Optical Input		F, C or B4 (w/Adapter) Mount
Operating Temperature Range		32°F to 149°F/ 0°C to 65°C
Storage Temperature Range		-4°F to 140°F/ -20°C to 65°C
Humidity Range		5% to 95% non-condensing
Power Requirements	AC	90-264V
Power Consumption		250 Watts
<u>Weight &amp; Dimensions:</u>		
A. Desktop	lbs/kg Inch CM	35.0/15.9 17.0 x 8.0 x 19.5 (HWD) 43.2 x 20.3 x 49.5 (HWD)
B. Rack Mount (Option)		2U
Altitude		Sea level to 10,000 feet
Vibration		3 Gs in all axes; 0-300Hz during transport
Operating System		JAVA Native Controls/Network-Ready, Operating System Independence
Real Time Display		HD/SDI Output
<i>Display Monitor</i>	<i>User Provided</i>	<i>HD/SDI</i>
<i>Camera Lens</i>	<i>User Provided</i>	
<i>Personal Computer, JAVA Operating System</i>	<i>User Provided</i>	

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