MULTIPLE VIDEO WINDOW DISPLAY

SUPERVIEW 500

Compatible with graphics controllers up to 1600 x 1200 pixels

Up to ten real-time, full color video windows

NTSC, PAL, S-Video inputs

Optional inputs for FLIR and hi-res RGB windows

Each window independently positioned and scaled

Zooming within each window

Computer on video overlays

Stand-alone peripheral compatible with all workstations

24-bit color processing

No computer slots required

The SuperView™ 500 controller displays up to ten real-time video windows on a high resolution computer monitor. Each window can be positioned, scaled to full screen, overlaid with computer graphics or overlapped with other windows. In addition, the user can pan and zoom within each video image.

The system was developed for applications requiring the simultaneous display of high quality video and computer-generated images up to 1600 x 1200 pixels.

SuperView 500 is a third generation system based on a proprietary design that guarantees real-time video performance under all conditions. It simultaneously displays video signals from up to ten cameras, recorders, or teleconferencing systems, or high resolution images up to 1280 x 1024 pixels from computers, FLIRs, or radars.

A stand-alone peripheral controlled over an RS-232 port, SuperView 500 connects between the host computer and its monitor and combines the video and computer signals downstream of the computer frame buffer. Its architecture offers a unique advantage: no burden is imposed on the host CPU, frame buffer or bus.

SuperView supports software control to manipulate the video windows, adjust video parameters, and control graphics overlays.

Excellent video quality, real-time performance under all conditions, a unique set of features and compatibility with virtually all workstations, make SuperView the finest video windowing system available.

RGB SPECTRUM®
a visual
communications
company™

RGB

High Resolution Analog Input/Output

Video format	Interlaced or non-interlaced
Horizontal rate	15 kHz to 50 kHz interlaced, 30 kHz to 100 kHz non-interlaced
Frame rate	Up to 90 Hz
Resolution	640 x 480 to 1600 x 1200 pixels
Pixel rate	Up to 160 MHz
Video levels	0.7 to 1.0 V peak to peak, white positive
Sync levels	.3V nominal (sync on green), 1V to 5V (separate sync)
Sync type	Sync on green, separate composite sync or separate H-drive and V-drive
Output impedance	75 Ω
Connectors	Coax-Mix D-Sub (13W3)

Video Inputs

|	
Number	Up to 10 (factory configured)
Video Formats	Composite NTSC/PAL S-Video 875 line RS-343 FLIR RGB 15-90 kHz • 15-45 kHz interlaced • 30-90 kHz non-interlaced • 640 x 480 to 1280 x 1024 pixels • RGB RS-170 and RS-343
Sync formats	Sync on green, separate composite sync, separate H-Drive and V-Drive
Scaling	Smooth scaling, icon size to full screen
Input video levels	0.5 to 2.0V peak to peak; 1.0V peak to peak nominal
Connectors	BNC, 4-pin mini-DIN, 15-pin HD
Video functions	Window position, scaling, pan and zoom, freeze frame, motion filter, video brightness, contrast, gamma, saturation and hue, chroma key for overlays

Other

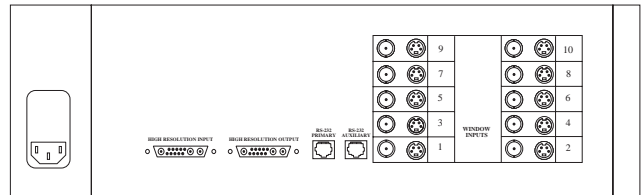|	
Power	90-120/200-264 VAC, 47-63 Hz less than 150 Watts*
Control	RS-232 and optional front panel
Size	17.5" (W) x 18.25" (D) x 3.5"or 5.25" (H) 2U and 3U rack mount kit available
Weight	less than 30 lbs*

*configuration dependent
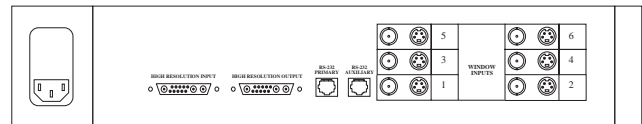
Back panel configured for 6 video inputs
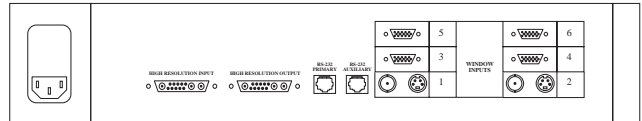
Back panel configured for 2 video and 4 computer inputs

Back panel configured for 10 video inputs

#A5999 (UL) ISO 9002
RGB Spectrum