MULTIPLE COMPUTER AND VIDEO IMAGES ON A SINGLE SCREEN

SuperView 5000
Multiviewer

Up to 12 graphic & video windows

Fully real time - no dropped frames

Robust 24/7 operation

Up to 1920x1200, 2048x1152, and 2048x1080p input/output

HDCP compliant

DVI input cable equalization

DVI single link outputs with 500mA pin-power

Control via PC web browser

Embedded operating system

Borders & titles

Smooth scaling, panning, zooming

Presets

Redundant power supply option

Foregrounds and backgrounds option

KVM option

The next generation SuperView ® 5000 processor is a fully real time windowing display system. The SuperView 5000 is based on a custom, high performance architecture rather than a PC, with faster updates, more display flexibility, robustness and security. Real time display of inputs is guaranteed under all conditions, without any dropped frames.

The SuperView 5000 offers up to 12 windows with user selectable signal types. Input alternatives include RGB/DVI and analog video modules. HD-SDI modules will be available in the near future. Images can be displayed anywhere, any size, in correct aspect ratio or stretched to fit, in whole or zoomed to emphasize details.

The system provides plug-and-play capability with a wide range of inputs. Graphics signals are selectable up to 1920x1200 and 2048x1152 pixels. HD and digital cinema inputs are also supported up to 2048x1080p. The SuperView 5000 is HDCP compliant, allowing it to accept protected content. Standard video inputs can be composite, component or S-Video. Optionally, background images can be loaded from compact flash cards or over a network.

DVI inputs include built-in cable equalization to increase cable lengths up to 50 meters without the need for external signal extenders. 500mA of power is available on DVI outputs for pin-powered devices, obviating the need for external power adapters.

Control is offered via USB, RS-232, or Ethernet. A web browser based control system provides both local and remote operation. The user interface features "drag and drop" window positioning and scaling.

The SuperView 5000 processor works with any display device. Output resolution can be adjusted to the exact resolution of any display up to 1920x1200, 2048x1152, and 2048x1080p, the highest resolution of any multiviewer.

A full array of features includes dynamic window sizing and positioning, smooth zooming within images, custom borders, titling and programmable presets. The SuperView 5000 offers optional redundant power supplies, background/foreground compact flash reader/writer, on-screen digital clock, multi-level passwords, and KVM control.

The SuperView 5000 offers 24/7 robustness. It comes packaged in a compact rack mountable enclosure with replaceable air filters, providing an excellent solution for challenging environments. The SuperView 5000 represents the state-of-the-art solution for decision making venues, including network operations centers (NOCs), tactical operations centers (TOCs) and emergency operations centers (EOCs).

Specifications

Total Inputs ───────────────────────────────

SuperView 5000-6	6 inputs (on 3 input modules)
SuperView 5000-12	12 inputs (on 6 input modules)

RGB/DVI Input Module ───────────────────────────────

RGB Analog

Number/type	2x analog RGB/YPbPr/HD, interlaced and progressive
Video level	1.0V p-p for G and Y composite, 0.7V p-p for RB and P_rP_b
Input impedance	75 Ohms
Sample rate	Up to 165 MHz
Horizontal scan rate	12 kHz to 125 kHz
Frame rate	Up to 200 Hz
Resolution	640x480 to 1920x1200 and 2048x1152,
	720p, 1080i, 1080p HD
Sync	
Connector	RGsB, RGBS, RGBHV, YP_rP_b (tri-level or bi-level sync on Y)
	15-pin HD

DVI Digital

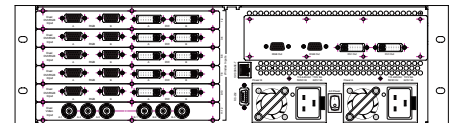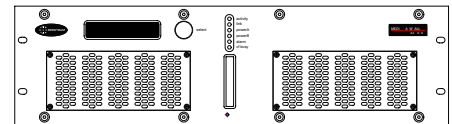|	
Number/type	2x DVI single link, interlaced and progressive
Resolution	Up to 1920 x 1200 and 2048 x 1152
	720p, 1080i, 1080p and 2048x1080p
Cable equalization	Automatic or manual: up to 164 feet or 50 meters
Connector type	DVI-I (digital only)

Analog Video Input Module ───────────────────────────────

Number/type	2x composite video/S-Video/YP_rP_b
Video level/format	1.0V p-p for G and Y composite, 0.7V p-p for RGB and P_rP_b
	625 line PAL, 525 line NTSC
Sync	YPrPb (tri-level or bi-level sync on Y)
Input impedance	75 Ohms
Connector type	BNC (female)

Outputs ───────────────────────────────

Number/type	2x analog RGB
Resolution	2x DVI
	Up to 1920x1200 and 2048x1152, 720p, 1080i,
Sample rate	1080p and 2048x1080p
Horizontal scan rate	35-165 MHz
Frame rate	12 kHz to 125 kHz (non-interlaced)
Video levels	Up to 200 Hz
Sync	0.7 V p-p
Connectors	RGsB, RGBS, RGBHV
	Analog RGB: 15-pin HD D-Sub (female)
Pin power	DVI-I (digital only)
	500mA @ 5 VDC per output

Other ───────────────────────────────

Power	100-240 VAC auto ranging
	50/60 Hz
	200W maximum
Control	Command line using RS-232 or USB 2.0
	Ethernet 10/100 BASE-T
	Graphical User Interface via web browser
	Telnet
Options	Advanced WCP (clock, cursor control,
	multi-level password control)
Size	KVM
	Redundant power supplies
	Width 19.0"/48.3 cm
	Depth 22.0"/55.9 cm
	Height 5.25"/13.3 cm
	Weight Less than 35 lbs/15.9 kg

A SuperView 5000-12 with a user selectable choice of input modules

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