

MULTIPLE COMPUTER AND VIDEO IMAGES ON A SINGLE SCREEN

SUPERVIEW 5000

Multiviewer

Up to 12 Graphic and Video Windows

**Fully Real Time -
No Dropped Frames**

Robust 24 / 7 Operation

**Up to 1920 x 1200, 2048 x 1152,
and 2048 x 1080p 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 and 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 PbPr
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	RGsB, RGSB, RGBHV, YPrPb (tri-level or bi-level sync on Y)
Connector	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

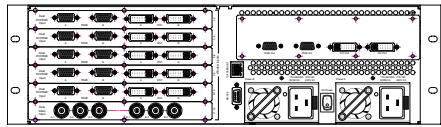
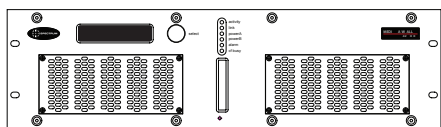
Number/type	2x composite video/S-Video/YPrPb
Video level/format	1.0V p-p for G and Y composite, 0.7V p-p for RGB and PbPr 625 line PAL, 525 line NTSC
Sync	YPrPb (tri-level or bi-level sync on Y)
Input impedance	75 Ohms
Connector type	BNC (female)

Outputs

Number/type	2x analog RGB 2x DVI
Resolution	Up to 1920x1200 and 2048x1152, 720p, 1080i, 1080p and 2048x1080p
Sample rate	35-165 MHz
Horizontal scan rate	12 kHz to 125 kHz (non-interlaced)
Frame rate	Up to 200 Hz
Video levels	0.7 V p-p
Sync	RGsB, RGSB, RGBHV
Connector	Analog RGB: 15-pin HD D-Sub (female) DVI-I (digital only)
Pin power	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), KVM, backgrounds/foregrounds Redundant power supplies
Size	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