

MULTIPLE COMPUTER & VIDEO IMAGES ON A SCREEN



SuperView 5000 Configurable 6 or 12 Window Multiviewer

Up to 12 graphic & video windows

**Up to 1920x1200, 2048x1152
& 2048x1080p input/output**

HD/3G-SDI input

Fully real-time; no dropped frames

Robust 24/7 operation

Control via web browser

Embedded operating system

Borders & titles

Smooth scaling, panning, zooming

Presets

DVI input cable equalization

**DVI single link output with
500 mA pin-power**

Redundant power supply option

Background option

HDCP option

MultiPoint KvM see
[http://rgb.com/products/
Multipointkvm/?c=n](http://rgb.com/products/Multipointkvm/?c=n)

SinglePoint KvM see
[http://rgb.com/products/
KvMforMediaWall/?c=n](http://rgb.com/products/KvMforMediaWall/?c=n)

The next generation SuperView® 5000 processor is a fully real time, modular windowing display system based on a custom, high performance architecture 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 of 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 display 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. 500 mA of power is available on the DVI outputs for pin-powered devices, obviating the need for external power adapters.

Control is offered via 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 DVI 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 compact flash reader/writer, 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), security operations centers (SOCs) and emergency operations centers (EOCs).



Specifications	SuperView 5000-6 6 windows	SuperView 5000-12 12 windows
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RGB/DVI Inputs

RGB Analog

Number	2 per module
Type	Analog RGB/YPbPr/HD interlaced and progressive
Video level	1.0 V p-p for G and Y composite, 0.7 V p-p for RB and PrPb
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
Sync	RGsB, RGBS, RGBHV, YPrPb (tri-level or bi-level sync on Y)
Connector	15-pin HD

DVI Digital

Number	2 per module
Type	DVI single link interlaced and progressive
Resolution	Up to 1920x1200 and 2048x1152, 720p, 1080i, 1080p and 2048x1080p
Cable equalization	Automatic or manual: up to 164 feet or 50 meters
Connector type	DVI-I (digital only)
HDCP	Option

HD/3G-SDI Input Module

Number/type	2x HD/3G-SDI per module
Interface standard	SMPTE 292M & 242M
Max clock rate	1.5 Gb/s and 3 Gb/s max link speed
Resolution	1280x720P/60 and 59.94 Hz, 1920x1080i/50 and 59.94 Hz, 1920x1080P/23.98, 24, 25, 50, 59.94, 60 Hz
Sampling	YPrPb 4:2:2 sample structure
Cable equalization	Automatic - supports up to 120m at 3 GHz clock rate Up to 200m at 1.485 GHz clock rate (Beldon 1694A)
Embedded audio	Video only - no support for audio channels
Connector type	BNC (female)

Analog Video Inputs

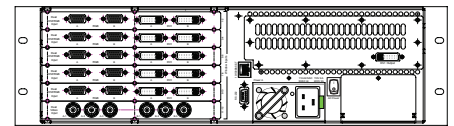
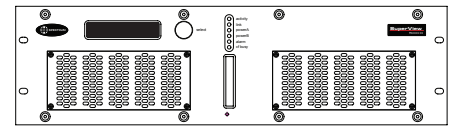
Number/type	2 per module, composite video/S-Video/YPrPb
Video level/format	1.0 V p-p for G and Y composite, 0.7 V p-p for YPrPb, 625 line PAL, 525 line NTSC
Sync	YPrPb (tri-level or bi-level sync on Y)
Input impedance	75 ohms
Connector type	BNC (female)

Outputs

Number/type	1x DVI
Resolution	Up to 1920x1200 and 2048x1152, 720p, 1080i, 1080p
Clock rate	35-165 MHz
Horizontal scan rate	12 kHz to 125 kHz, non-interlaced
Frame rate	Up to 200 Hz
Connectors	DVI-I (digital only)
Pin power	500 mA @ 5 VDC per output

Other

Power	100-240 VAC auto ranging 50/60 Hz < 325W
Control	Command line using RS-232 and Ethernet 10/100 BASE-T Graphical User Interface via web browser
Options	Telnet HDCP KVM
Size	Redundant power supplies Width 19.0"/48.3 cm Depth 22.0"/55.9 cm Height 5.25"/13.3 cm
Weight	40 lbs/18.2 kg Rackmount kit included



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