MULTI-SCREEN CONTROLLER FOR VIDEO AND DATA DISPLAY

MediaWall 2000/2500
Real Time Display Wall Processors

Fully real time - no dropped frames

Robust 24/7 operation

Up to 8 RGB/DVI/HD and 8 video inputs

Up to 6 output screens per processor

Up to 1920x1200 pixel input/output

Control via PC web browser

Embedded operating system

Redundant power supplies

Downloadable backgrounds

Borders and titles

Bezel compensation

Image overlap for edge blending

Rugged and compact enclosure

Plug and play architecture

On-screen digital clock option

Smooth sizing, panning, zooming

On-screen cursor control option

Presets

KVM control

Edge blending option

The MediaWall® is a fully real time video/data wall processor for arrays of projectors, cubes or flat panel displays. Unique among display wall processors, the MediaWall 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 all inputs is guaranteed under all conditions, without any dropped frames.

The MediaWall 2500 processor can display up to eight graphics and eight video signals over six screens, the model 2000, six graphics and six videos over four screens. Images can be displayed anywhere, any size, within or across screens, in correct aspect ratio or stretched to fit, in whole or zoomed to emphasize details. Unlike other video/data walls, the MediaWall processor has essentially no limits on display alternatives. The multi-screen array forms a truly virtual screen in which any display of windows is possible. No competitive video/data wall even comes close.

The system offers plug-and-play capability with a wide range of inputs. Graphics signals are selectable up to 1920 x 1200 pixels. HD inputs up to 1080p are also supported. Standard video inputs include composite, component and S-Video. Background images, up to the aggregate resolution of the display wall, can be loaded from compact flash cards or over a network.

Control is offered via RS-232 or Ethernet port. A web browser based control system provides both local and remote operation. The user interface provides a graphical representation of the wall with "drag and drop" window positioning and scaling.

The system offers 24/7 robustness. It comes packaged in a compact rackmountable enclosure with replaceable air filter, redundant power supplies, and thermostatically controlled fans, providing an excellent solution for challenging environments. Most importantly, the MediaWall processor provides the security and reliability of an embedded operating system and the absence of a disk drive.

The MediaWall processor works with any tiled display, with adjustments to compensate for the bezel between panels or cubes, as well as overlapped outputs to support edge blending on a continuous screen. Output resolution can be adjusted to the exact resolution of any display up to 1920 x 1200 pixels, the highest resolution of any data/video wall.

A full array of features includes dynamic window sizing and positioning, smooth zooming within images, custom borders, titling, programmable presets, backgrounds, logos, and digital clock, on-screen cursor control, KVM control and edge blending.

The MediaWall is unbeatable for mission critical, real time operations. And it is priced comparably with systems that cannot approach its flexibility or performance.

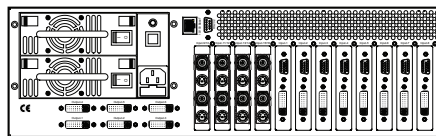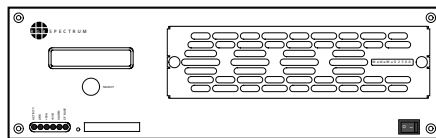**For more about KVM, see http://rgb.com/products/ KvMforMediaWall/?c=n**
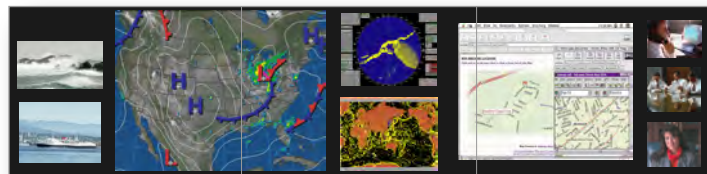
Easy oper ation with intuitive "virtual screen" and "click and drag" simplicity. Control screens are accessible locally or remotely over any Internet browser. The internet browser approach offers the advantage of independence from the oper ating system of the control device.
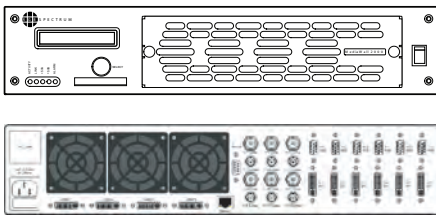
MediaWall 2000

MediaWall 2500

The MediaWall processor offers a true plug-and-play architecture with ease of set-up similar to a matr ix switcher.

Specifications

High Resolution Inputs

RGB Analog	Non-interlaced (model 2000)
	Interlaced and non-interlaced (model 2500)
Number/type	6x analog RGB/YP$_b$P$_r$/HD (model 2000)
	8x analog RGB/YP$_b$P$_r$/HD (model 2500)
Video level	Nominal 0.7V pk-pk
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	640 x 480 - 1920 x 1200 pixels
Sync	Sync on green, separate composite sync
	or separate H-drive and V-drive.
Connector type	15-pin HD

DVI Digital

Number	6x DVI single link up to 1920 x 1200 (model 2000)
	8x DVI single link up to 1920 x 1200 (model 2500)
Connector type	DVI-I

Video Inputs

Analog Conposite

Number	6x composite 6x S-Video (model 2000)
	8x composite 8x S-Video (model 2500)
Video level	Composite 1.0 V pk-pk nominal
Format	625 line PAL, 525 line NTSC
Input impedance	75 Ohms
Connector Type	Composite video: BNC (female)
	S-Video: 4 pin mini DIN (female)

High Resolution Outputs

Number / Type	4x RGB analog/DVI digital (model 2000)
	6x RGB analog/DVI digital (model 2500)
Resolution	640x480 - 1920 x 1200 pixels non-interlaced
Video level	Nominal 0.7V pk-pk
Sample rate	Up to 165 MHz
Sync	Sync on green, separate composite sync,
Connector	or separate H-drive and V-drive.
	DVI-I

Features

Labels, borders, backgrounds, logos, pan and zoom, presets, window animation, bezel compensation, image overlays for edge blending, freeze frame, compact flash card reader, redundant power supplies, on-screen digital clock option, on-screen cursor control option, edge blending option, KVM integrated control option

Other

Power	100 - 240 VAC auto ranging
	47 - 440 Hz (model 2000),
	50/60 Hz (model 2500)
	110W (model 2000), 150W (model 2500)
Control	Command line using RS-232 or Ethernet 10/100 BASE-T
	Graphical User Interface using internal web server
Size	Width 17.25"/43.8 cm
	Depth 18.0"/45.7 cm
Weight	Height 3.5"/ 8.9 cm (model 2000)
	Height 5.25"/13.3 cm (model 2500)
	25 lbs/11 kg (model 2000), 30 lbs/13 kg (model 2500)

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