MULTI-SCREEN CONTROLLER FOR VIDEO/DATA DISPLAY

MEDIAWALL
Real Time Display Wall Processors

**Fully real time -
no dropped frames**

Robust 24 / 7 operation

**Up to 8 RGB / DVI / HDTV
and 8 video inputs**

**Up to 6 output screens
per processor**

**Up to 1920 x 1200 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

Command centers

Control rooms

Communication hubs

Exhibitions

Network operations centers

The MediaWall ® processor is a fully real time video/data wall system 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, and the model 1500, four graphics and two videos over two 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. HDTV inputs are also supported. Standard video inputs may be composite, component or 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 rack mountable 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.
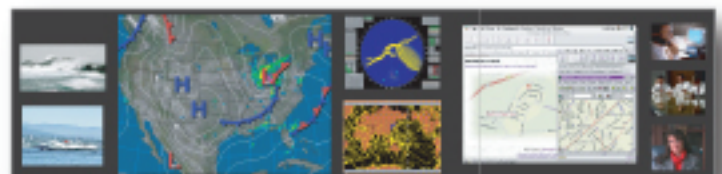
The MediaWall processor works with any tiled display, with adjustments to compensate for the bezel between panels or cubes, as well as overlapped outputs to support edge blending on a continuous screen. Output resolution can be adjusted to the exact resolution of any display up to 1920 x 1200 pixels, the highest resolution of any data/video wall.
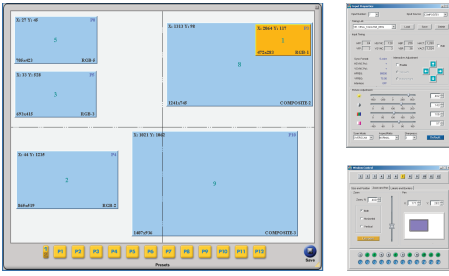
A full array of features include dynamic window sizing and positioning, smooth zooming within images, custom borders, titling, programmable presets, backgrounds, logos, and optional digital clock and on-screen cursor control.

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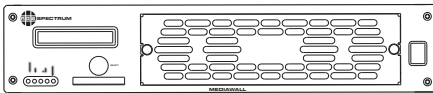

NEW

**Integrated Control with KvM
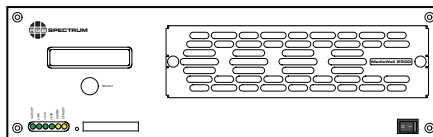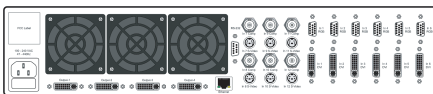(See inside back cover)**

Easy operation 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 operating system of the control device.

MediaWall 1500

MediaWall 2000

MediaWall 2500

The front panel provides an LCD status display. The MediaWall processor offers a true plug-and-play architecture, with ease of set-up similar to a matrix switcher.

Specifications

High Resolution Inputs

RGB Analog — Interlaced and non-interlaced

Number / Type	4 x analog RGB / YP$_b$P$_r$ / HDTV (Model 1500)
	6 x analog RGB / YP$_b$P$_r$ / HDTV (Model 2000)
	8 x analog RGB / YP$_b$P$_r$ / HDTV (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	4 x DVI single link up to 1920 x 1200 (Model 1500)
	6 x DVI single link up to 1920 x 1200 (Model 2000)
	8 x DVI single link up to 1920 x 1200 (Model 2500)
Connector type	DVI-I

Video Inputs

Analog Composite

Number	2 x composite, 2 x S-Video (Model 1500)
	6 x composite, 6 x S-Video (Model 2000)
	8 x composite, 8 x 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	2 x RGB analog / DVI digital (Model 1500)
	4 x RGB analog / DVI digital (Model 2000)
	6 x RGB analog / DVI digital (Model 2500)
Resolution	640 x 480 - 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, or separate H-drive and V-drive.
Connector Type	DVI - I

Features

Labels, Borders, Backgrounds, Logos, Pan and Zoom, Presets, Window Animation, Mullion Compensation, Image Overlays for Edge Blending, Freeze Frame, Compact Flash Card Reader, Redundant Power Supplies, On-Screen Digital Clock, On-Screen Cursor Control, KvM

Other

Power	90 - 264 VAC autorange
	47 - 440 Hz (Models 1500 and 2000),
	50/60 Hz (Model 2500)
	Less than 90W (Model 1500), 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"
	Depth 18"
	Height 3.5" (Models 1500/2000), 5.25" (Model 2500)
Weight	25 lbs/11 kg (Models 1500/2000), 30 lbs/13 kg (Model 2500)