

MULTI-SCREEN CONTROLLER FOR VIDEO AND DATA DISPLAY

MediaWall 4500 Real Time Display Wall Processor

- Fully real time - no dropped frames**
- Robust 24 / 7 operation**
- Up to 12 output screens**
- Up to 30 graphic & video windows**
- Up to 1920 x 1200 pixel input / output**
- DVI input cable equalization**
- DVI single link outputs with 500mA pin-power**
- Control via PC web browser**
- Embedded operating system**
- Redundant power supplies**
- Downloadable backgrounds**
- Borders & titles**
- Clock**
- Bezel compensation**
- Image overlap for edge blending**
- Plug and play architecture**
- Smooth scaling, panning, zooming**
- No PC vulnerabilities**
- No hard drives**
- On-screen cursor control option**
- Presets**
- KvM option**

The MediaWall® 4500 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 4500 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 MediaWall 4500 processor can display up to thirty graphics and video signals on up to twelve screens in a 3 x 4 array. 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.

The MediaWall 4500 offers a scaleable system which can be expanded to as many as 30 inputs and 12 outputs. Input alternatives include RGB/DVI and analog video modules. HD-SDI modules will be available in the near future.

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 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.

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

Control is offered via USB, 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.

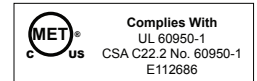
The system offers 24/7 robustness. It comes packaged in a compact rack mountable enclosure with replaceable air filter and redundant power supplies, providing an excellent solution for challenging environments. Most importantly, the MediaWall processor provides the security and reliability of an embedded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

The MediaWall 4500 processor works with any display devices, 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, digital clock, and on-screen cursor control. Full KvM control of computers displayed is offered as an option.

The MediaWall 4500 is unbeatable for mission critical, real time operations.

Specifications



Number of Display Windows Up to 30 (user selectable)

RGB/DVI Input Module

RGB Analog	Interlaced and progressive
Number / Type	2 x analog RGB/YPbPr/HD
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	640 x 480 to 1920 x 1200
	720p, 1080i, 1080p HD
Sync	RGsB, RGBS, RGBHV, YPrPb (tri-level or bi-level sync on Y)
Connector	15-pin HD
DVI Digital	
Number	2 x DVI single link up to 1920 x 1200, HD to 2048 x 1080P
Cable equalization	Automatic or manual: up to 164 feet or 50 meters
Connector type	DVI-I (digital only)

Analog Video Input Module

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

Outputs

Number	4, 8 or 12
Configurations	Model 4500-1 1x2, 1x3, 1x4 Model 4500-2 2x2, 2x3, 2x4 Model 4500-3 3x3, 3x4
Output Modules	Number 1, 2 or 3 (4 x DVI single link) Resolution 640 x 480 to 1920 x 1200 pixels Sample rate Up to 165 MHz Pin power 5 VDC: 500mA per output Connector DVI - I (digital only)

Other

Power	Dual redundant power supplies 100-240 VAC autorange 50/60 Hz 800W maximum
Control	Command line using RS-232 or USB 2.0 Ethernet 10/100 BASE-T Graphical User Interface via web browser Telnet
Size	Width 17.25"/43.8 cm Depth 22.0"/55.9 cm Height 12.25"/ 31.1 cm (7 RU)
Weight	Less than 70 lbs/32 kg

CE Tested to comply with CE standards

Specifications subject to change without notice
Made in the USA
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