

MULTI-SCREEN PROCESSORS FOR VIDEO AND DATA DISPLAY

MediaWall 2900/1900 Real Time Display Wall Processors

- Fully real time; no dropped frames**
- Robust 24/7 operation**
- 8 graphic & video windows**
- Single-link or dual-link output**
- Matrix or linear arrays**
- DVI input cable equalization**
- DVI outputs with 500 mA pin power**
- Embedded operating system**
- Borders & titles**
- Integrated KVM option**
- Bezel compensation**
- Smooth scaling, panning, zooming**
- No PC vulnerabilities**
- Presets**
- Edge blending option**
- Redundant power supply option**
- Boot up in less than 1 minute**

The new MediaWall® 2900/1900 processors are fully real time display wall systems for arrays of projectors, cubes, or flat panel displays. Unique among display wall processors, the MediaWall 2900 and 1900 are 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 dropped frames.

The MediaWall 2900 processor can display up to eight graphic or HD video sources on up to four screens in a linear or 2x2 array. The MediaWall 1900 processor supports a 1x2 array. Images can be displayed anywhere, any size, within one or across multiple screens, in correct aspect ratio or stretched to fit, in whole or zoomed to emphasize details. Unlike other video walls, the MediaWall processor has essentially no limits on display alternatives.

The MediaWall 2900/1900 processors provide DVI, HDMI, and RGB inputs for eight windows. Graphic signals up to 1920x1200 pixels and HD inputs up to 2048x1152 pixels are supported. IP streams may be displayed with an optional DSx 264MW external module.

The new processors offer 24/7 robustness. They come packaged in a compact 2 RU rack mount enclosure with replaceable air filter. Most importantly, the MediaWall processor is a dedicated system, not a PC, providing the security and reliability of an embedded operating system with no disk drives.

The processors offer adjustments to compensate for the bezel between panels or cubes, as well as overlapped outputs to support edge blending of projected images on a continuous screen.

The MediaWall 2900 processor features four DVI single-link or optional two DVI dual-link outputs. The MediaWall 1900 processor provides two DVI single-link outputs. Output resolution can be adjusted for any display up to 1920x1200 pixels, HD to 2048x1080 pixels, and optional DVI dual-link output to 2560x1600 pixels.

A full array of features includes dynamic window sizing and positioning, smooth zooming within images, custom borders, titling, HDCP, programmable presets, clock, and cursor control. Options include a redundant power supply and KVM control.

The MediaWall 2900 and 1900 processors offer unbeatable value, yet they meet the requirements for mission-critical, real-time operations.

SinglePoint KvM

**MultiPoint Control Room
Management System**

IP Streaming

Specifications	MediaWall 2900 3-4 screens	MediaWall 1900 2 screens
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Inputs

RGB Analog

Number/type	8x analog RGB/YPbPr/HD
Video level	1.0 V p-p for G and Y composite. 0.7 V p-p for R, B and PbPr
Input impedance	75 ohms
Clock 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, YPbPr (tri-level or bi-level sync on Y)
Connector type	DVI-I

DVI Digital

Number/type	8x DVI single-link 1.0
Resolution	640x480 to 1920x1200 and 2048x1152, 720p, 1080i, 1080p
Color depth	24-bit
Cable equalization	Automatic or manual; up to 164 ft (50 m)
Connector type	DVI-I
HDCP	Compliant

HDMI Digital

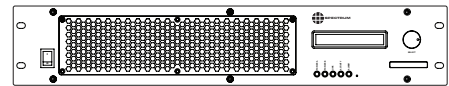
Number/type	8x HDMI 1.3a
Resolution	640x480 to 1920x1200 and 2048x1152, 720p, 1080i, 1080p
Color depth	24-bit
Cable equalization	Automatic or manual; up to 164 ft (50 m)
Connector type	HDMI
HDCP	Compliant

Outputs

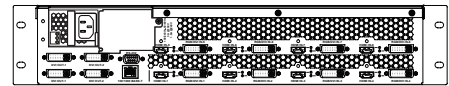
Type	DVI
Number	Model 2900: 4 single-link or 2 dual-link (option) Model 1900: 2 single-link
Display resolution	Single-link: up to 1920x1200 and 2048x1080 Dual-link: up to 2560x1600
Clock rate	35 to 165 MHz (single-link); 165 to 330 MHz (dual-link)
Pin power	500 mA @ 5 VDC per output
Connector	DVI-I (digital only)

Other

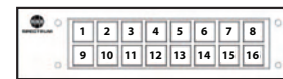
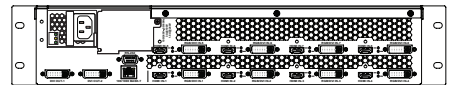
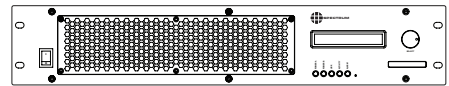
Power	100 - 240 VAC auto ranging 50/60 Hz 125 W maximum
Control	RS-232 command line Ethernet 10/100/1000Base-T; Telnet and graphical user interface (via web browser)
Options	3rd-party controllers SinglePoint KvM™ Dual-link output
Size	Redundant power supply Width: 17 in/43.2 cm (excluding rack ears) Depth: 18 in/45.7 cm Height: 3.5 in/8.9 cm (2 RU)
Weight	< 25 lbs/11.4 kg



MediaWall 2900



MediaWall 1900



BP-16 network control panel for presets (option)