



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

Matrix or linear arrays

DVI input cable equalization

DVI outputs with 500 mA
pin-power

Control via web browser

Embedded operating system

Borders & titles

Bezel compensation

Image overlap

Plug-and-play architecture

Smooth scaling, panning,
zooming

No PC vulnerabilities

No hard drives

Presets

Dual-link output option

Edge blending option

Redundant power supply option

MultiPoint KvM see
[http://rgb.com/products/
MediaWall4500/?c=n](http://rgb.com/products/MediaWall4500/?c=n)

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

IP Streaming see
[http://www.rgb.com/
products/DSx/?c=n](http://www.rgb.com/products/DSx/?c=n)

Two 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 4 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/data multiviewers, the MediaWall processor has essentially no limits on display alternatives.

The MediaWall 2900/1900 processors provide DVI, HDMI and RGB inputs for 8 windows. Graphic signals to 1920x1200 pixels and HD inputs to 2048x1080 pixels are supported.

Control is via RS-232 or Ethernet. A browser-based control system provides a graphical user interface that incorporates a comprehensive set of controls for every aspect of the processor and display.

The new processors offer 24/7 robustness. They come packaged in a compact 2U 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 video wall processors work with any tiled display, with adjustments to compensate for the bezel between panels or cubes, as well as overlapped outputs to support edge blending of projectors on a continuous screen.

The MediaWall 2900 processor features 4 DVI single-link or optional 2 DVI dual-link outputs. The MediaWall 1900 processor provides 2 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 for mission-critical, real-time operations.



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Specifications

Inputs

RGB Analog

Number/type	8 - 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, RGsB, RGBHV, YPbPr (tri-level or bi-level sync on Y)
Connector type	DVI-I

DVI Digital

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

HDMI Digital

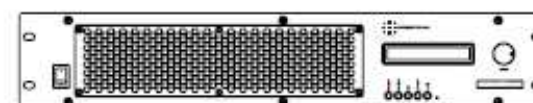
Number/type	8 - HDMI 1.3a
Resolution	640x480 to 1920x1200 and 2048x1152, 720p, 1080i, 1080p
Color depth	8-bit
Cable equalization	Automatic or manual; up to 164 ft or 50 m
Connector type	HDMI
HDCP	Compliant

Outputs

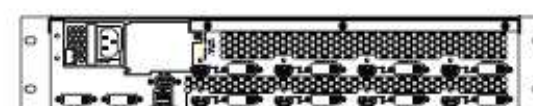
Type	DVI
Number	Model 2900: 4 single-link or 2 dual-link (option) Model 1900: 2 single-link
Display resolution	Single-link: up to 1920x1200 and 2048x1080 Dual-link: up to 2560x1600
Clock rate	35 to 165 MHz (single-link); 165 to 330 MHz (dual-link)
Pin power	500 mA @ 5 VDC per output
Connector	DVI-I (digital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

Other

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



MediaWall 2900



MediaWall 1900