The MediaWall® Duo™ system is an innovative solution for 2x4 and 2x6 display walls. This is parallel image processing at its best. Two MediaWall processors working in tandem under the control of a unifying control application. The result…best of class performance and unparalleled ease of use.

The MediaWall Duo delivers full functionality for larger display wall arrays with one easy to use virtual control panel. Even with the maximum of thirty-two inputs displayed simultaneously, real time performance is maintained with no loss of image quality or update rate. Graphic and video windows can be freely placed where desired anywhere on the array.

The MediaWall Duo 2000 provides up to twelve graphic and twelve video inputs for simultaneous display across a 2x4 array. The MediaWall Duo 2500 supports up to sixteen graphic and sixteen video inputs across a 2x6 array. Input windows can be configured to be global (anywhere on the wall) or regional (located on the left half or right half of the wall).

The system employs MediaWall purpose built processors with an embedded operating system, offering true plug-and-play installation and superior performance to PC-based architectures.

The MediaWall Duo software application, an extension of RGB Spectrum’s industry leading WCP (Web Control Panel) software runs remotely under Windows® 2000 or XP.

See the MediaWall 2000 and MediaWall 2500 data sheets for more information.
**A MediaWall Duo 2000 2 x 4 Configuration**
For maximum flexibility, inputs are connected to two MediaWall processors through a distribution amplifier or a routing switcher. Inputs that appear on half of the wall are connected to individual processors only.

**Input Configuration Panel**
Global windows that can be displayed anywhere are easily created by linking processor inputs.
Window numbers change dynamically as the inputs are configured.
All inputs can be configured as global or regional.

**MediaWall Duo 2000 Virtual Control Panel – 2 x 4 Configuration**
Specifications

High Resolution Inputs

RGB Analog
- Non-interlaced (Duo 2000)
- Interlaced and non-interlaced (Duo 2500)
Number / Type
- 12 x analog RGB / YPbPr / HDTV (Duo 2000)
- 16 x analog RGB / YPbPr / HDTV (Duo 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
- 12 x DVI single link, to 1920 x 1200 (Duo 2000)
- 16 x DVI single link, to 1920 x 1200 (Duo 2500)
Connector Type
- DVI-I

Video Inputs

Analog Composite

Number
- 12 x composite, 12 x S-Video (Duo 2000)
- 16 x composite, 16 x S-Video (Duo 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
- 8 x RGB analog / DVI digital (Duo 2000)
- 12 x RGB analog / DVI digital (Duo 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, Freeze Frame, Compact Flash Card Reader, Redundant Power Supplies, On-Screen Digital Clock, On-Screen Cursor Control

Other

Power
- 90 - 264 VAC autorange
- 47 - 440 Hz (Duo 2000), 50/60 Hz (Duo 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 7.0" (Duo 2000), 10.50" (Duo 2500)
Weight
- 50 lbs/22 kg (Duo 2000), 60 lbs/26 kg (Duo 2500)

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Specifications subject to change without notice
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