**DISPLAY
HI-RES
COMPUTER
& HD IMAGES
ACROSS
MULTIPLE
SCREENS**

ComputerWall
Real Time Multi-Screen Display Controller

Inputs RGB, DVI, HD and standard video

RGB / DVI outputs up to 1600x1200 pixels

Simple hardware installation

Software independent

Automatic synchronization to input signals

Inter-screen spacing (bezel) compensation

Up to 80 fps update rates

24-bit color processing

Remote control via RS-232 or Ethernet port

The ComputerWall® is a multi-screen display controller designed to meet the needs of command centers and control rooms, where a single input needs to be scaled for display over multiple screens.

High-resolution graphics, video and HD sources can be displayed in real-time across a 1x2 or 2x2 wall configuration. Larger walls can be served using multiple ComputerWall units.

User-selectable output guarantees a perfect match with any monitor, projector, cube or flat panel display. High quality processing maintains image detail and resolution, a critical factor when images are magnified under high ambient light conditions.

A 1x2 configuration is an ideal solution for displaying 16:9 HD images up to 1920x1080p resolution on standard 4:3 projectors or displays. In a 2x2 configuration, signals up to 1920x1200 resolution can be displayed.

The ComputerWall requires no special software. With "plug and play" autosyncing, it easily connects to source signals via an external switcher. Signals can be routed from ComputerWall processors directly to the wall displays. For more flexibility, the outputs from one or more ComputerWall units can be routed through a matrix switcher.

Command centers

Control rooms

Communication hubs

Convention facilities

Network operations centers

Specification

Input Signals ——————————————————————
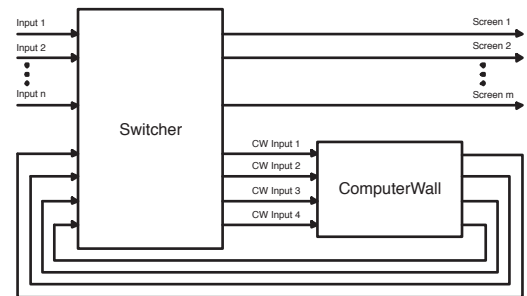
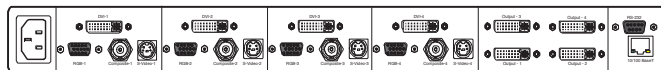|	
Type / Number	4x RGB/YP$_b$P$_r$/HD 4x DVI (optional) 4x NTSC/PAL composite 4x S-Video
Resolution	RGB: 640x480 to 1920x1200 DVI: 640x480 to 1600x1200 720p and 1080i HD
Horizontal scan rate	12 kHz to 125 kHz interlaced or non-interlaced
Pixel clock (Max)	165 MHz
Video levels	0.7 V p-p
Sync type	Sync on green, separate composite sync, or separate H-drive and V-drive
Connectors	RGB: 15-pin HD D-Sub (female) DVI: 24-pin DVI-D option Composite: BNC (female) S-Video: 4-pin mini DIN (female)

Output Signals ——————————————————————

Type / Number	4x RGB analog 4x DVI digital
Resolution	RGB: 640x480 to 1920x1200 DVI: 640x480 to 1600x1200
Horizontal scan rate	12 kHz to 125 kHz interlaced or non-interlaced
Pixel clock (Max) Video levels	165 MHz 0.7 V p-p
Sync type	Sync on green, separate composite sync, or separate H-drive and V-drive
Connectors	RGB: 15-pin HD D-Sub (female) DVI: 24-pin DVI-D option Composite: BNC (female) S-Video: 4-pin mini DIN (female)

Other ——————————————————————

Power	100-240 VAC auto ranging 47 Hz-440 Hz Less than 55 W
Control	Ethernet 10/100 BASE-T RS-232
Size	1 RU Width 17.25"/43.8 cm Depth 15.3"/38.9 cm Height 1.75"/4.5 cm
Rackmount	Rackmount kit included
Weight	Approximately 14 lbs/6.3 kg

A ComputerWall processor in a videowall configuration of "n" inputs and "m" screens. Multiple processors can be connected in a similar manner. This arrangement offers maximum flexibility.

Front and rear panels with optional DVI inputs