



High performance parallel display processing

Full resolution and frame rate for every signal displayed

Intuitive GUI

2x4 wall with up to 24 windows with MediaWall Duo 2000

2x6 wall with up to 32 windows with MediaWall Duo 2500

Flexible window configuration

Global and regional windows

IP network control

MULTI-SCREEN CONTROLLERS FOR VIDEO/DATA DISPLAY

MediaWall Duo 2000/2500

Real Time Display Wall Systems

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) runs remotely under Windows 2000 or XP.

[See the MediaWall processors on page 12 for more information.](#)

Integrated Control System with KvM

Control of Video Processors and Computers

A Unique Hybrid Solution Available on MediaWall, SuperView & QuadView HD Processors

The modern multi-viewer and videowall should allow for the display of visuals, computer and video in the most useful form possible on a dynamic basis. For example, windows can be positioned to juxtapose related information and scaled to emphasize importance. Advances in interface design have incorporated a cursor into the display space itself, providing on-screen control and even allowing the cursor to do duty as a pointer.

What is needed beyond this is to integrate control of the source computers displayed, creating in effect, a giant "Multi-window Desktop." This calls for a harmonizing application that blends control of the display space as well as the source computers, seamlessly and in real time.

RGB Spectrum offers a powerful, novel solution for its MediaWall®, SuperView® and QuadView® HD display processors, which it calls Integrated Control System with KvM (Keyboard, video, Mouse). This provides a unified display space where users can control the display as well as the displayed computers with a single mouse and keyboard. The KvM system is a hybrid using a combo of direct connection for the video, in order to insure visibility of all inputs with real-time updates, with IP connectivity for the keyboard and mouse. (Hence, the change in nomenclature to KvM from the more traditional KVM.)

No pure IP network solution comes close in performance. Popular KVM applications such as GoToMyPC® and pcAnywhere® depend on IP networks for transport of the video. These and similar applications used by other display processor manufacturers can offer only very poor response time due to network bandwidth limitations.

Consider a configuration consisting of source computers, a display processor and a control PC. The computers and the display processor are interconnected over an IP network with a keyboard/mouse agent installed on each of the source computers. An on-screen cursor provides control of both the functions of the processor (e.g., window sizing and positioning) and the source computers displayed. The mouse offers two modes of operation: system mode for the display processor and computer mode for the PCs. Visual clues - the size and shape of the on-screen cursor - indicate the current mode of operation. The user switches between modes by clicking on the mouse, on the background system mode or in a window for computer mode. The visuals are displayed in real time, as is the movement of the on-screen cursor.

The result is a level of responsiveness and functionality unavailable until now.

Note:
GoToMyPC is a registered trademark of Citrix Systems, Inc.
pcAnywhere is a registered trademark of Symantec Corporation.