High performance parallel display processing

Full resolution and frame rate for every signal displayed

Intuitive GUI

Up to 60 windows with MediaWall Duo 4500

Up to 24 windows with MediaWall Duo 4200

Flexible window configuration

Global and regional windows

IP network control

MULTI-SCREEN CONTROLLERS FOR VIDEO/DATA DISPLAY

MediaMediaWall Duo 4500/4200
Real Time Display Wall Systems

The MediaWall® Duo™ system is an innovative solution for display walls up to 4x4 and 3x8. This is parallel image processing at its best. Two next generation MediaWall 4500 or 4200 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 60 windows displayed simultaneously, real time performance is maintained with no loss of image quality or update rate. Graphic and video windows can be freely placed anywhere on the array.

MediaWall Duo 4500 supports up to sixty graphic and video inputs across a 3x8 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). MediaWall Duo 4200 supports up to twenty-four graphic and video inputs across a 2x8 or 4x4 array.

The system employs new 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 "Web Control Panel" runs remotely under Windows®.

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.
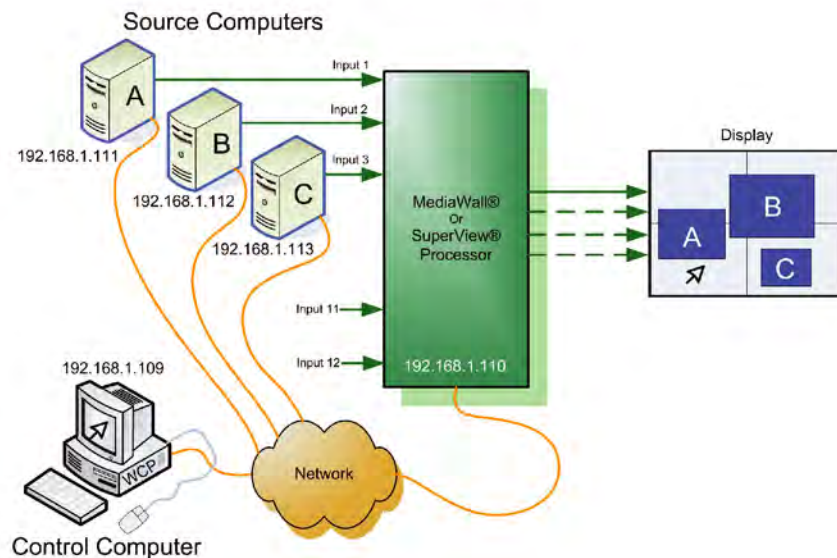
RGB Spectrum offers a powerful, novel solution for its MediaWall®, SuperView® and QuadView® HD display processors, which it calls Integrated Control System with KvM (Keyboard, video, Mouse). This provides a unified display space where users can control the display as well as the displayed computers with a single mouse and keyboard. The KvM system is a hybrid using a combo of direct connection for the video, in order to ensure 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 for *system mode* and 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.