



**Uncompressed video**

**Up to 1920x1200 resolution**

**Integrated with display walls**

**Single operator control**

**Intuitive operation**

**Secure control**

**Software free install**

**Up to 30 controllable computers**

## SinglePoint KvM

### A KVM Solution for High-End Display Processors

SinglePoint KvM™ is a KVM solution for RGB Spectrum's MediaWall®, SuperView®, and QuadView® display processors. Optimized for single user environments, it stands out for its ease of use, compelling functionality, and simple setup.

RGB Spectrum's SinglePoint KvM solution makes the interaction with RGB Spectrum's display processors simple and efficient, allowing the operator to focus on the task at hand. It offers KVM control as well as control of display processing (e.g. window size and position). When used in combination with the MediaWall 4500 processor, for example, a single user can efficiently interact with as many as 30 computers displayed in windows spread over up to 12 screens. This translates into a display space up to 3600 by 7680 pixels, or approximately 27 MP.

SinglePoint KvM even supports special commands, such as CTRL/ALT/DEL, and access to each source computer's boot sequence. It is independent of computer operating systems. Consequently, computers with different operating systems can behave as a single expanded desktop, with a single keyboard and mouse.

SinglePoint KvM is compatible with most RGB Spectrum display processors. It is integrated in the display processor's web accessible GUI, offering a comprehensive set of tools for setup and operation.

### SinglePoint KvM Operation

The on-screen cursor operates in two modes. In system mode, the cursor can be used for window manipulation, sizing and positioning. In control mode, the cursor operates within a window displaying a source computer. The user switches between modes by clicking the mouse on the background to enable system mode and in a window to enable computer mode. Visuals are displayed in real time for excellent cursor, hand and eye coordination.

### SinglePoint KvM Architecture

SinglePoint KvM is a hybrid architecture. Source computer video is directly connected to the display processor over a DVI or RGB port. Computers and the display processor are also connected over an IP network, which carries the control signals. A keyboard/mouse agent is installed for each of the source computers. The agent may be a software Remote Desktop Agent (RDA), or an external hardware-based desktop agent (EDA), which does not require software to be installed on the source computer.

To extend the distance between computers and the display processor, or between the display processor and display devices, SinglePoint KvM is compatible with XtendView™ FiberDVI, RGB Spectrum's DVI over fiber extenders.

## Specifications

### SinglePoint KvM

- Up to 30 target PCs, depending on the display processor
- 1 control station computer running Java RTE
- Seamless, multi-screen cursor and mouse navigation
- DHCP or static IP addresses
- Mouse and keyboard emulation via remote desktop software (RDA) or External Desktop Agent (EDA)

### Display processor

- Up to 2048x1200 pixel per output
- Up to 60 fps
- Up to 4:4:4 sampling rate
- Up to 30 target PCs
- Up to 12 displays per display processor (approx. 3600 by 7680 pixel display space)
- Supported video processors: MediaWall 4500, MediaWall 4200, MediaWall 2900, MediaWall 1900, SuperView 5000, SuperView 4100, QuadView HDx

### XtendView FiberDVI

- Up to 1600 ft (500m)
- Video and EDID on single fiber
- Mounts on DVI connectors directly to chassis

### Remote Desktop Agent (RDA)

- Supported on Windows 7, Windows XP, Windows Vista, and Linux Ubuntu operating systems

### External Desktop Agent (EDA)

- Linux OS
- Powered via PS/2 or USB
- Dimensions: 3.2”(L) x 1.7”(W) x 0.9”(H)
- 2 PS/2 ports
- 1 USB port (via optional PS/2 to USB adapter)
- Source computer operating system independent. Currently tested with Windows 7, Windows XP, and Linux Ubuntu.

### Control Station Computer

- Windows 7 Pro
- Ruggedized for industrial applications
- Dimensions: 7.3”(L) x 8.1”(W) x 1.3”(H)

