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Quadruple View KVM Switch

View four different analog/digital video sources simultaneously on one screen with USB keyboard and mouse support.

- View up to four computers on a single monitor at the press of a button
- Supports USB keyboard and mouse
- On-screen display (OSD) makes setup and switching easy
- Change views by pressing the tact switches, keyboard hotkeys, and RS-232
- Display each computer with clean and crisp high-resolution video
- Supports DVI-I resolutions up to 1900 x 1200 @ 60 Hz
- Supports VGA resolutions up to 1600 x 1200 @ 60Hz
- Quad-mode splits the screen to show four computers on one screen
- Dual-mode splits the screen to show two computers on one screen
- PiP-mode displays one computer in full screen with three thumbnail views
- Control any one computer while monitoring three others
- User-defined frame rate for each input



Quadruple View KVM Switch

The QuadKVM Switch allows you to view up to four different analog and digital video sources simultaneously on one display device. It also supports keyboard and mouse functionality, allowing you to access all four displays with one set of interface controls. Connections to video sources are managed via DVI-I connectors. Advanced viewing options include dual-mode, quad-mode, full-screen mode, and PIP (picture in picture) mode. Use this device to simplify management of multiple sources by accessing and controlling them all through a single display and set of controls.



FullScreen Mode - In the FullScreen mode, one of the four computers` video sources is displayed in full screen size and maximum resolution. Keyboard and mouse operation automatically switch to the corresponding computer.



PiP Mode - In the PiP (picture in picture) mode, the full screen display of one of the four video sources is accompanied by one or three small images (thumbnails) containing the other video sources on the right-hand margin of the screen allowing simultaneous monitoring.



Dual-Mode - In Dual mode, the screen is split into two fields of equal size with the screen content of two video sources or computers being displayed in each of these fields. Keyboard and mouse operation can be selected to the field of the corresponding computer.



Quad-Mode - In Quad mode, the screen is split into four fields of equal size with the screen content of four video sources or computers being displayed in each of these fields. Keyboard and mouse operation can be selected to the field of the corresponding computer.

Simple Operation - Switching between the display modes is simple: Use the buttons on the front panel, the programmable keyboard hotkeys, RS-232 commands or use the built-in on screen display (OSD). The OSD is accessible at the press of a button, and features controls for all of the QuadKVM's functions. The QuadKVM is easily programmable through the setup function of the OSD.



Screenshot of the QuadKVM's OSD



APPLICATION DIAGRAM



The QuadKVM can be used in many applications that require the real-time monitoring of multiple computers. It is a perfect solution in situations where a user needs to monitor several computers at the same time. In Air Traffic Control environments, several computers need to be monitored for the progress of flights and flight information. The QuadKVM is perfect for multi-tasking, allowing the user to run tasks on each computer and monitor their progress without having to switch back and forth between them.

APPLICATIONS

- Corporate or Educational Presentations
- Financial (Remote Servers/User Control)
- Call Centers for Technical Support
- Industrial (Long-Range Workstation Isolation)
- Airport Installations (Air Traffic Control/Passenger Information)
- KVM Extension where Exceptional Quality of Signal is Crucial
- Medical (Remote Operation Away from Sensitive/Magnetic Equipment)
- Recording (for Large Studios where Editing/Mixing Stations are Compact and/or Require Complete Silence)

SPECIFICATIONS



QuadKVM Front

QuadKVM Rear

VIDEO	
Format	DVI-I Single Line
Maximum Pixel Clock	165 MHz
Input Interface	(4) DVI-I 29-pin female
Output Interface	(1) DVI-I 29-pin female
Resolution	DVI-I up to 1920 x 1200 @60Hz VGA up to 1600 x 1200 @60Hz
DDC	5 volts p-p(TTL)
Input Equalization	Automatic
Input Cable Length	Up to 20 ft.
Output Cable Length	Up to 20 ft.
USB	
Signal Type	USB 1.1 and 1.0
Input Interface (TX)	(4) USB Type B (Female)
Output Interface (RX)	(2) USB Type A (Female)

CONTROL	
Front Panel	Tact Switches
Keyboard	Hotkeys
RS-232	RS-232 Commands
OTHER	
Power	External 100-240 VAC/5VDC4A @20W
Dimensions	17"W x 1.75"H x 10.25"D
Weight	5 lbs.
Approvals	UL, CE, ROHS Compliant
Operating Temp.	32-131°F (0-55 °C)
Storage Temp.	-4-185 °F (-20-85 °C)
Humidity	Up to 95%
ORDERING INFORMATION	
Part No.	Description
SM-QKVM-S	4-Port DVI, USB 1.1 KVM switch with PiP/Quad/Full modes. Includes: [SM-QKVM & (PS5VD4A)]

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