HDMV-16X-PLUS

16-PORT HDMI MULTIVIEWER

16-PORT HDMI 1080P REAL-TIME MULTIVIEWER

FEATURES

- Control KVM on sixteen connected computers
- View up to sixteen sources on a single monitor at the press of a button
- Display each computer with crisp high-resolution video
- Supports 1080p HDMI output (1920 x 1080)
- Supports DVI-D input resolutions up to 1900 x 1200 with HDMI to DVI-D adaptor
- Full keyboard and mouse emulation
- HDCP and HDMI 1.4 compliant
- Supports EDID for total control of compliant displays
- Outputs HDMI up to 20 feet
- Change views with front panel switching, hot keys and RS-232
- Quad-mode splits the screen to show four sources on one screen
- Dual-mode splits the screen to show two sources on one screen
- 16-mode displays one all nine inputs on one screen

APPLICATIONS

- Corporate or Educational Presentations
- Financial (Remote Servers/User Control)
- Industrial (Long-Range Workstation Isolation)
- Airport Installations (Air Traffic Control/Passenger Information)
- Medical (Remote Operation Away from Sensitive/Magnetic Equipment)
- Recording (for Large Studios where Editing/Mixing Stations are Compact and/or Require Complete Silence)

Designed and Manufactured in the USA

KVM CONTROL WITH MULTIVIEWER FLEXIBILITY

The HDMV-16X-Plus is a member of SmartAVI's HD Multiviewer series of products. It allows users to view up to sixteen different HD digital video sources on one display device simultaneously. HDMV-16X-Plus also supports USB KVM functionality, allowing the user to access keyboard, video and mouse operations on up to sixteen connected computers.

Connections to video sources are managed via HDMI connectors (or DVI-D connectors with an adaptor), with advanced viewing options such as dual-mode, quad-mode, 16-mode, and full-screen mode.

Use this device to simplify the management of multiple video sources by accessing and controlling them from a single set of controls on one display. With user-friendly KVM functionality built in, there's no better solution for complete control over sixteen computers and/or video sources.

A VIBRANT MULTIVIEWING EXPERIENCE

The HDMV-16X-Plus Multiviewer can be used in many applications that require real-time monitoring of multiple devices, like HDTV, DVD players, cameras and computers. It is the perfect solution in situations where a user needs to monitor several sources at the same time.

In Air Traffic Control environments, several computers are required to monitor the progress of flights and flight information. With HDMV-16X-Plus the user is able to manage each computer and monitor the progress without having to switch between sources, making it the perfect solution for multitasking.

SIMPLE OPERATION

Controlling the HDMV-16X-Plus is easy using front panel buttons, hot keys or RS-232, giving users multiple ways to control the device for convenient implementation and use.

FRONT AND BACK

HDMV-16X-Plus back

HDMV-16X-Plus front

MULTIVIEWING CONFIGURATIONS
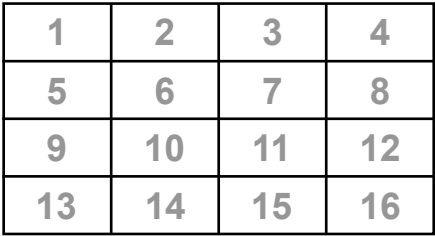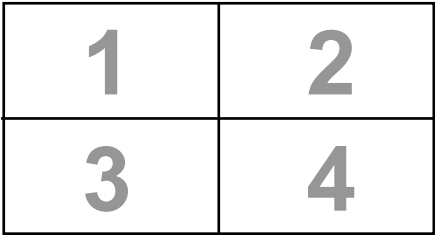
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Fullscreen Mode
In the FullScreen mode, one of the nine video sources is displayed in full screen size and maximum resolution. Keyboard and mouse operation automatically switch to the corresponding computer.
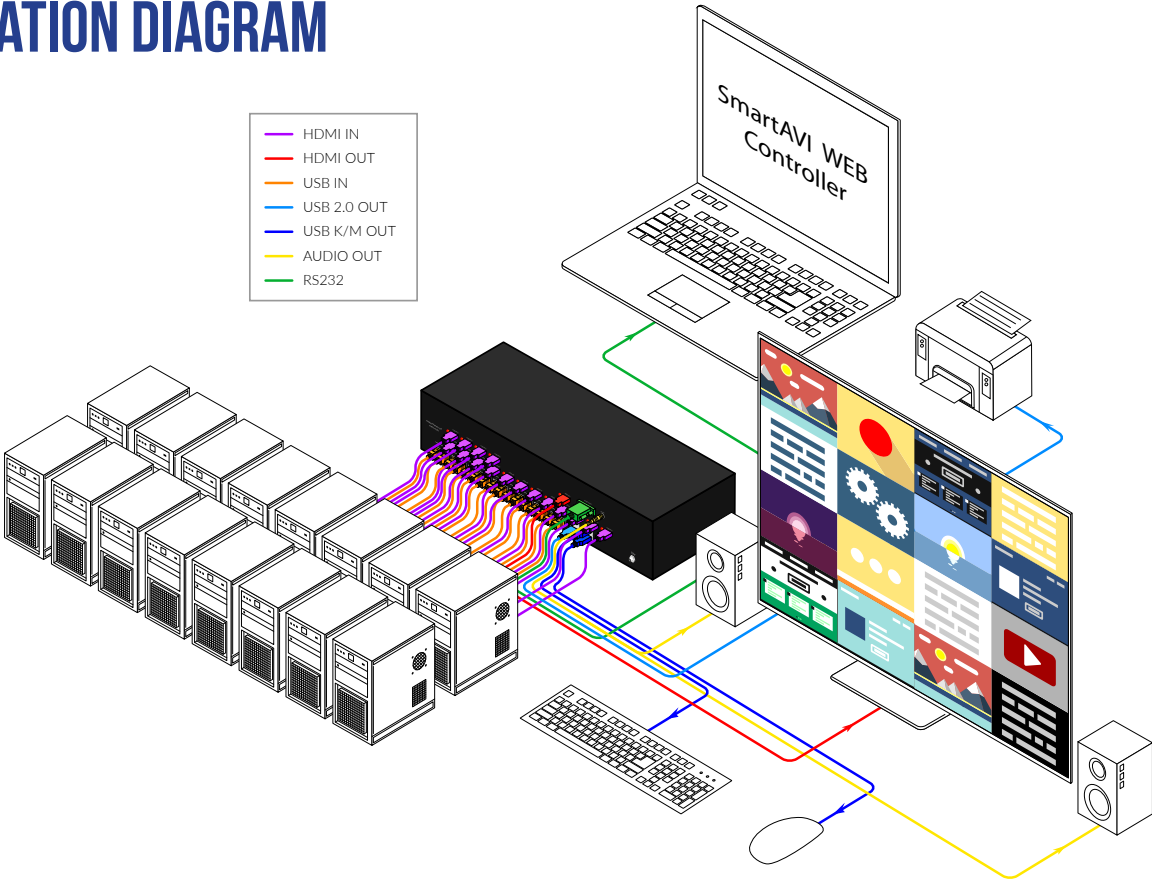
Quad-Mode
In Quad-mode, the screen is split into four fields of equal size with the four selected video sources or computers being displayed in each of these fields.

1	2
3	4

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16

16-Mode
In 16-mode mode, the screen is split into nine fields of equal size with the nine video sources or computers being displayed in each of these fields.

APPLICATION DIAGRAM

Legend:
- HDMI IN
- HDMI OUT
- USB IN
- USB 2.0 OUT
- USB K/M OUT
- AUDIO OUT
- RS232

SmartAVI WEB Controller

TECHNICAL SPECIFICATIONS

VIDEO	
Video Bandwidth	Single-link 340 MHz [10.2 Gbps]
Resolution HDTV	480i, 480p, 720i, 720p, 1080i, 1080p
PC Resolution	800 x 600 up to 1920 x 1200
Input Video Signal	1.2 volts
Input DDC Signal	5 volts
Single Link Range	1080p
Format	HDMI 1.4
DVI Compliance	Single-link DVI-D 2.0
HDCP Compliance	1.0/2.0
Input Interface	(16) HDMI
Output Interface	HDMI
Connector	Type A [19-pin female]

USB	
Signal Type	USB 2.0, 1.1, and 1.0
Input Interface	(1) 3.5 mm Stereo Audio
Output Interface	(2) USB 1.1 Type A (female) for keyboard/mouse

CONTROL	
Front Panel	Tact Switches
RS-232	DB9 (female

OTHER	
Power	Internal 100-240 VAC
Dimensions	12" H x 12" D x 17.5" W
Weight	22 lbs
Approvals	UL, CE, CSA, CEC, ROHS Compliant
Operating Temperature	23 to 95°F (-5 to 35°C)
Storage Temperature	-4 to 185 °F (-20 to 85 °C)
Humidity	Up to 95% (non-condensing)

PART NO.	DESCRIPTION
HDMV16X-PLUS	16-Port HDMI, USB Real-Time Multiviewer and KVM Switch. Includes: [HDMV-16X-Plus, (Power Cord)]