

HDMV-16X-Plus

16-Port KVM HD Multiviewer



Control KVM (Keyboard, Video and Mouse) for sixteen different computers and monitor all sixteen sources on a single display device simultaneously

FEATURES

- Control KVM on sixteen connected computers
- View up to sixteen sources on a single monitor at the press of a button
- On-Screen Display (OSD) makes setup and switching easy
- 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, with optional Ethernet control
- 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 sixteen inputs on one screen



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

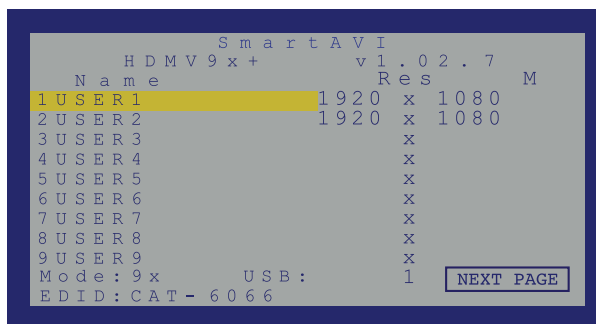
The HDMV-16X-Plus Multiviewer can be used in many applications that require real-time monitoring of multiple devices, like HDTV, DVD players, cameras and computers. It is the perfect solution in situations where a user needs to monitor several sources at the same time.

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, RS-232 or On Screen Display (OSD). Optional Ethernet control is also available, giving users multiple ways to control the device for convenient implementation and use.

The On Screen Display (pictured to the right) is accessible at the press of a button, and features controls for all of the functions supported by HDMV-16X-Plus. The device is easily programmable through the setup function of the OSD.



OPTIONAL ETHERNET CONTROL

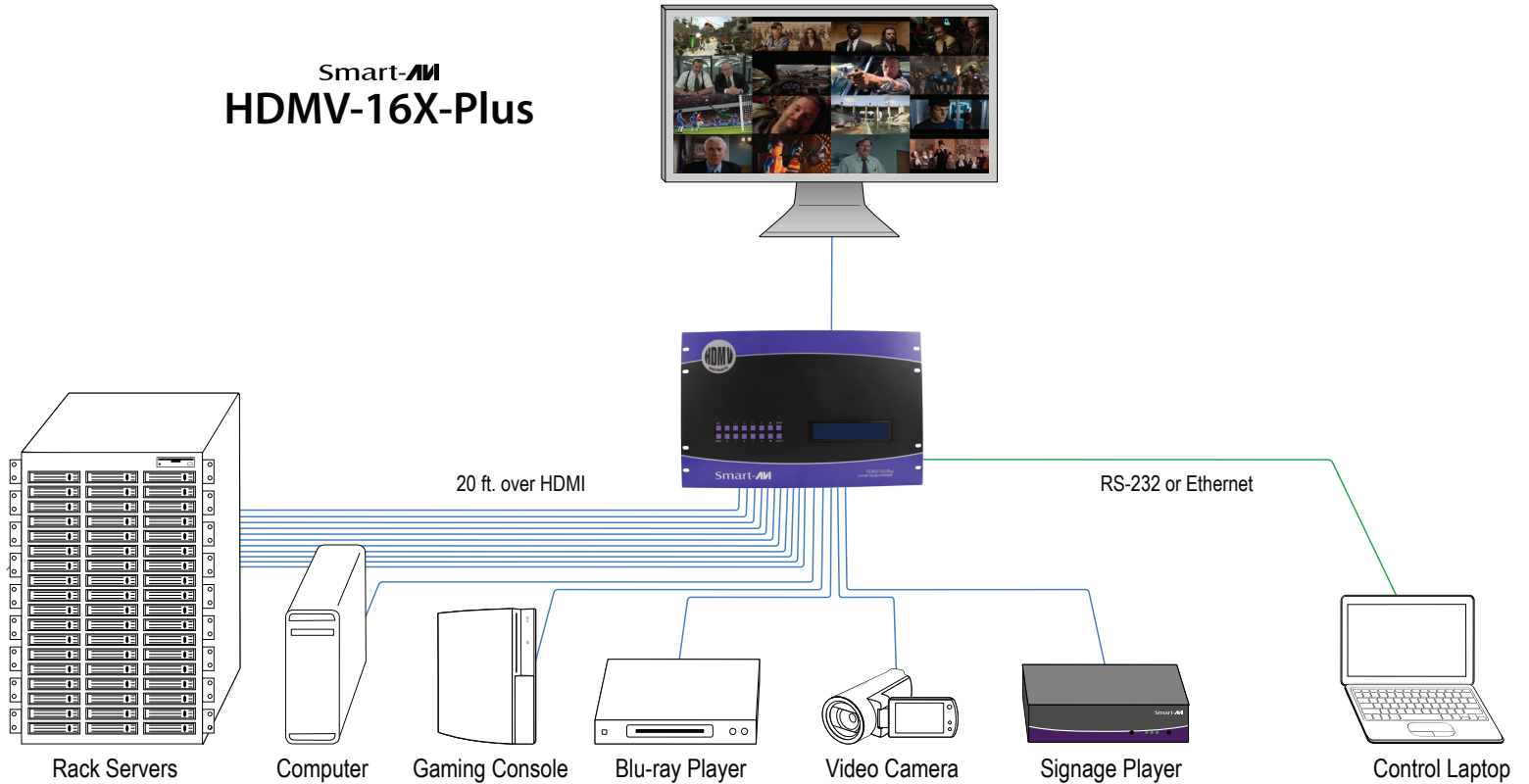
Users can control the HDMV-16X-Plus from virtually anywhere with the optional Ethernet control. If users need to make changes remotely, or if users need to place the HDMV-16X-Plus away from the primary workstation, the SmartAVI Net-IP-Pro control module enables effective for real-time remote control management over an Ethernet connection. Simply connect the Net-IP-Pro module to the device while connected to the Internet, and the device can be controlled remotely with ease.

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)
- Medical (Remote Operation Away from Sensitive/Magnetic Equipment)
- Recording (for Large Studios where Editing/Mixing Stations are Compact and/or Require Complete Silence)

APPLICATION DIAGRAM

Smart-AM HDMV-16X-Plus



MULTIVIEWING CONFIGURATIONS



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.



DUAL-MODE - In Dual-mode, the screen is split into two fields of equal size with each video source or computer being displayed in each of the fields.



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.



9-MODE: In 9-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.



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

SPECIFICATIONS



HDMV-16X-Plus Front



HDMV-16X-Plus Rear

SPECIFICATIONS

VIDEO	
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 with adaptor
HDCP Compliance	1.0/2.0
Video Bandwidth	Single-link 340MHz [10.2Gbps]
Input Interface	(16) HDMI
Output Interface	HDMI
Connector	Type A [19-pin female]

USB	
Input	USB 2.0, 1.1, and 1.0
Input Interface	(16) USB Type B
Keyboard	USB 1.0 (Type A)
Mouse	USB 1.0 (Type A)
CONTROL	
Front Panel	Tact Switches
RS-232	DB9 (female)
POWER	
Requirements	Internal 100-240 VAC
Power Supply Approvals	UL, CE, CSA, CEC, RoHS
MECHANICAL	
Height	12 in.
Width	17.5 in.
Depth	12 in.
Weight	22 lbs.

ORDERING INFORMATION

Part No.	Description
SM-HDMV16X-PLUS	16-Port HDMI, USB Real-Time Multiviewer and KVM Switch. Includes: [SM-HDMV-16X-Plus, (Power Cord)]



Designed and Manufactured in the USA

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