

HDMV-16X

16-Port Full HD Multiviewer



View up to sixteen different HD digital video sources
on one display device simultaneously

FEATURES

- 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 DVI-D input resolutions up to 1900 x 1200
- Supports 1080p HDMI output (1920 x 1080)
- Delivers uncompressed digital video with zero signal loss
- HDCP and HDMI 1.4 compliant
- Supports EDID for total control of compliant displays
- Outputs HDMI up to 40 feet
- Change views with front panel switching, keyboard hotkeys 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
- PiP-mode displays one device in full screen with three thumbnail views
- 16-mode displays on all sixteen inputs on one screen



HD MULTIVIEWER SERIES

The HDMV-16X is a member of SmartAVI's HD Multiviewer series of products that allows users to view up to sixteen different HD digital video sources on one display device simultaneously.

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

Use this device to simplify the management of multiple video sources by accessing them from a single set of controls on one display.

A VIBRANT MULTIVIEWING EXPERIENCE

The HDMV-16X 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, for example, several computers are required to monitor the progress of flights and flight information. With HDMV-16X the user is able to monitor every connected source the progress without having to switch between sources, making it the perfect solution for multitasking.

SIMPLE OPERATION

Controlling the HDMV-16X is easy using front panel buttons, RS-232 or OnScreen Display.

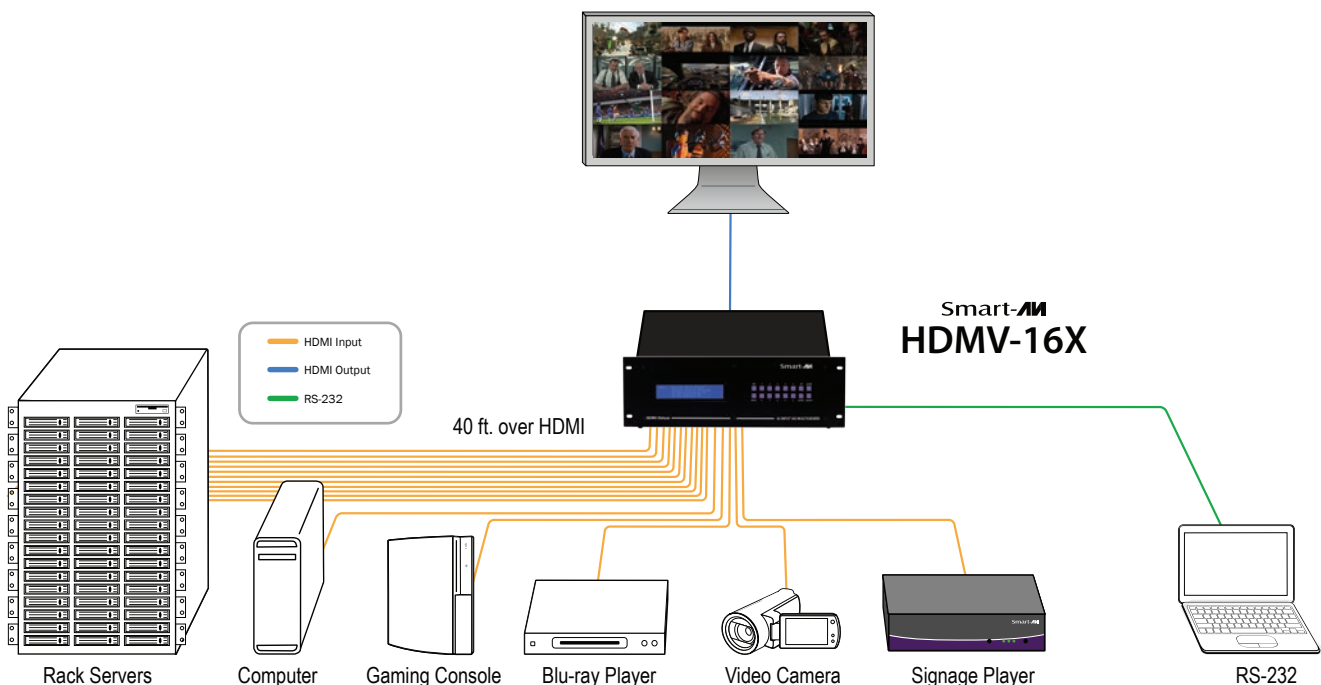
Switching between the display modes is simple:

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 HDMV-16X's functions. The HDMV-16X is easily programmable through the setup function of the OSD.



APPLICATION DIAGRAM



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)

ETHERNET CONTROL

If users need to make changes remotely, or if users need to place the HDMV 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 HDMV multiviewer while connected to the Internet, and the device can be controlled remotely with ease.

AVAILABLE CONFIGURATIONS



FULLSCREEN MODE: In the FullScreen mode, one of the four 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 displays of one of the four video sources, and is accompanied by three smaller images (thumbnails) containing the other video sources on the right-hand margin of the screen, allowing simultaneous monitoring. Not all input permutations are supported.



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 video sources or computers being displayed in each of these fields.



I6-MODE: In I6-mode, the screen is split into 16 fields of equal size with the 16 video sources or computers being displayed in each of these fields.

SPECIFICATIONS



HDMV-16X Front



HDMV-16X Rear

VIDEO

| | |
|--------------------|---------------------------------|
| Video Bandwidth | Single-link 340MHz [10.2Gbps] |
| 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 |
| Video Bandwidth | Single-link 340MHz [10.2Gbps] |
| Input Interface | (16) HDMI |
| Output Interface | HDMI |
| Connector | Type A [19-pin female] |

CONTROL

| | |
|-------------|---------------|
| Front Panel | Tact Switches |
| Display | 4x40 LCD |
| RS-232 | DB9 (female) |

POWER

| | |
|------------------------|------------------------|
| Requirements | Internal 100-240 VAC |
| Power Supply Approvals | UL, CE, CSA, CEC, RoHS |

MECHANICAL

| | |
|--------|-------------------------|
| Height | 5.25 in. (3U) (13.3 cm) |
| Width | 19 in. (48.26 cm) |
| Depth | 7 in. (17.28 cm) |
| Weight | 15 lbs. (6.8 kg.) |

ORDERING INFORMATION

| Part No. | Description |
|--------------|--|
| SM-HDMV16X-S | 16-Port HDMI, Real-Time Multiviewer with PiP/Dual/Quad/Full modes. Includes: [SM-HDMV16X, (CCPWR06)] |



Designed and Manufactured in the USA

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