



HDMV-KM

HDMI/USB KVM Multiviewer

with Fast Switching via Mouse

View, command, and switch control between up to four computers from the convenience of a single monitor.



HD MULTIVIEWER WITH KVM EMULATION

The HDMV-KM blends the convenience-centered sensibilities of SmartAVI's Multiviewer series with the powerful functionality of a KVM control solution. It not only allows users to view up to 4 HDMI video sources simultaneously on one display: it offers users the ability to control four connected computers remotely via USB 2.0 ports.

By simply dragging a mouse from one simulated screen to the next, users can switch control of one computer to another seamlessly. By clicking the scrolling wheel in the middle of a mouse, users can expand one connected display to full-screen, then revert to a multiview layout by clicking it again. The HDMV-KM is all about keeping KVM emulation simple for its users.

Connect video sources via HDMI or DVI-adapted connectors, and enjoy high definition advanced viewing options such as dual-mode, quad-mode, full-screen mode, and PIP (picture in picture) mode. Flexible, simple, and effective, HDMV-KM is the perfect management solution for multiviewing emulation and control.

MULTI-APPLICATION SOLUTION

The HDMV-KM multiviewer makes for an ideal addition to any number of working environments and activities. On top of its high definition HDMI video capabilities, the HDMV-KM's KVM (keyboard-video-mouse) emulation offers users unparalleled management of multiple computers from the convenience of a central display, USB keyboard and mouse.

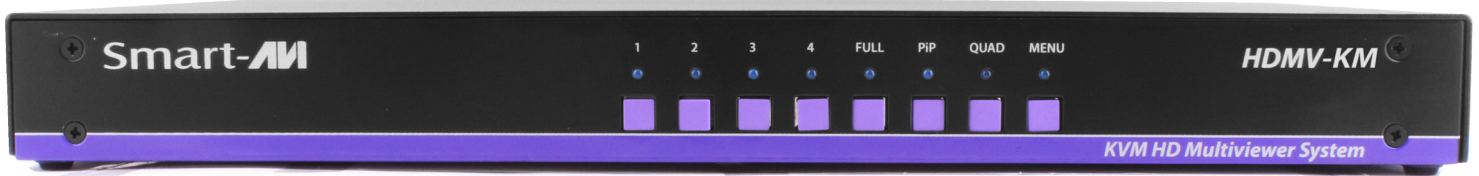
Supervisors in data centers, medical facilities, security stations, protective agencies, government organizations, corporate networks, and control centers of all kinds can use HDMV-KM to seamlessly view and access of connected systems when they need to most. Better yet, users can connect their own assets and devices to remote computers via the HDMV-KM's USB peripherals, like printers and flash drives. So whether you're working or just enjoying HD videos, HDMV-KM ensures you have the best multiviewing and command emulation experience around!

FEATURES

- View up to four sources on a single monitor at the press of a button
- Supports USB 2.0 keyboard-mouse control and peripherals
- Supports HD video content up to 1080p resolutions (1920x1080)
- (4) HDMI, (4) USB 2.0 KM, and (2) USB 2.0 peripheral device ports
- HDMI-DVI adaptor support
- Full keyboard-video-mouse emulation
- HDCP and HDMI 1.4 compliant
- Seamless switching between computers with mouse
- Outputs HDMI up to 20 feet
- Switch between multi-view and individual full-screen operation simply by clicking the scroll wheel of a mouse
- Switch between useful layouts with front-panel buttons, keyboard hotkeys, or RS-232 commands
- OSD (On-Screen Display) menu for hardware control via display
- Split displays to show four sources on one screen with Quad Mode
- Split displays to show two sources on one screen with Dual Mode
- Display one source in full screen and three thumbnail views of other sources with PiP Mode



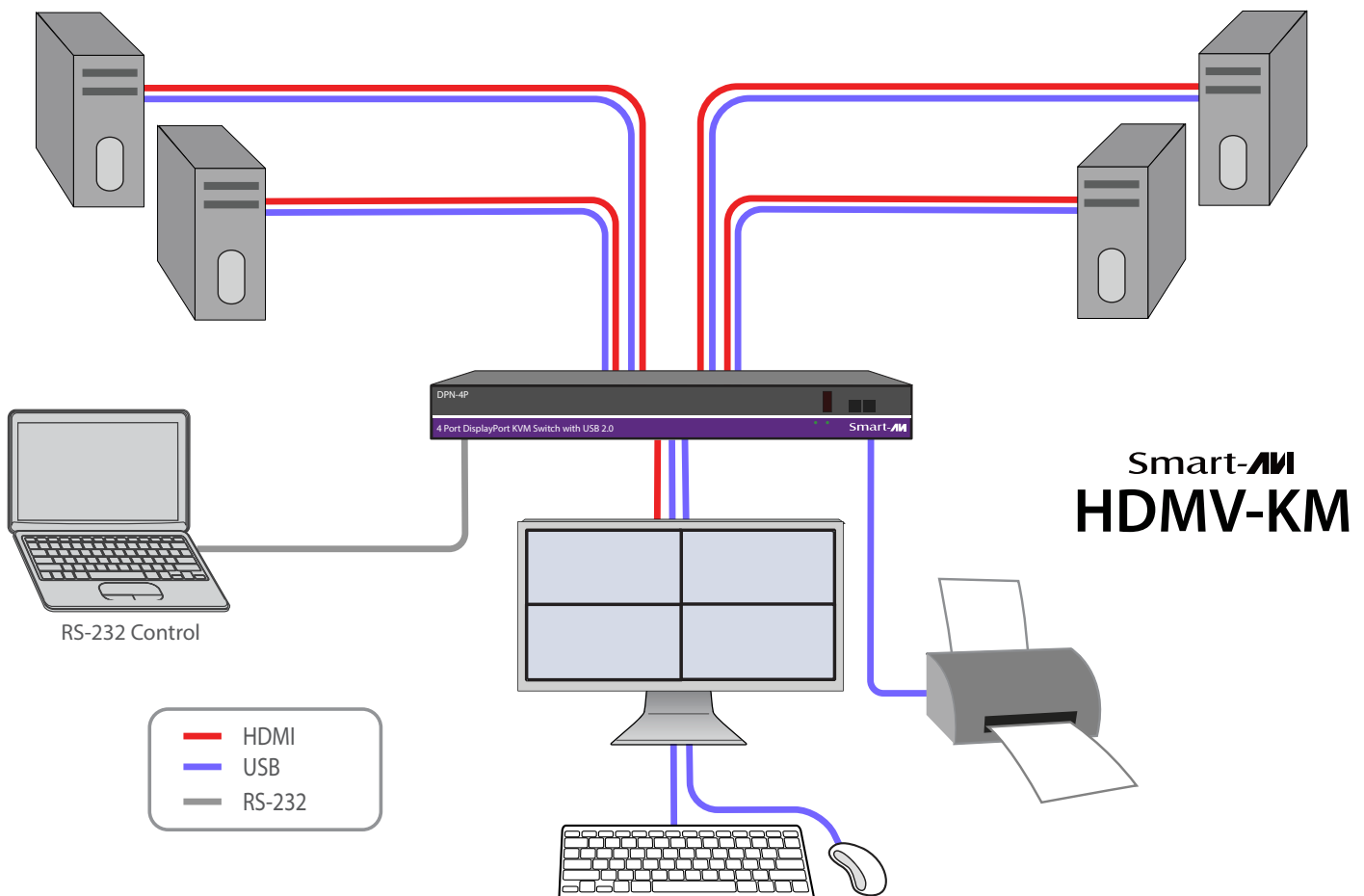
SIMPLE DESIGN, EASY OPERATION



Controlling the HDMV-KM is easy using front panel buttons, RS-232 commands, OSD menu, and USB keyboard hotkeys. Switch between sources and cycle layouts with the press of a button. Adjust display configurations and signal settings with simple commands from a remote location. Even customize your display for optimized multiviewing experiences with our convenient OSD menu.

HDMV-KM is easily integrated into existing hardware set-ups, and adds new layers of ease to multi-computer management by centralizing command to one connected location. System management has never looked so good!

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)

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.



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. Keyboard and mouse operation can be assigned to the field of the corresponding computer.

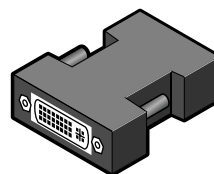
ACCESSORIES

Controlling the Multiviewer via Ethernet



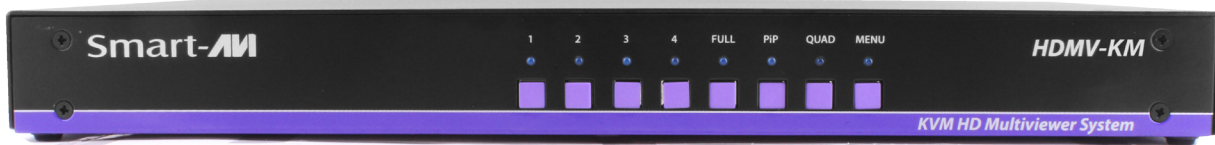
The SMTCP-2 TCP/IP control module is available from smartavi.com

Attaching a DVI-D Device



An inexpensive HDMI to DVI-D adapter will enable you to input or output your signals to DVI-D devices

SPECIFICATIONS



HDMV-KM Front



HDMV-KM 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	(4) HDMI
Output Interface	HDMI
Connector	Type A [19-pin female]

USB

Input	USB 2.0, 1.1, and 1.0
Input Interface	(4) USB Type B
Keyboard	USB 2.0 (Type A)
Mouse	USB 2.0 (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	1.70 in. (1U)
Width	17 in. (431.8 mm.)
Depth	10.2 in. (259 mm.)
Weight	4.05 lbs. (1.84 kg.)

ORDERING INFORMATION

Part No.	Description
SM-HDMV-KM-S	4-Port HDMI, USB Real-Time Multiviewer and KVM switch with PiP/Quad/Full modes. Includes: [HDMV-KM (CCPWR06)]



Designed and Manufactured in the USA

Smart-AVI
SMART AUDIO VIDEO INNOVATION