Full HD 1080p

HD MULTIVIEWER SERIES

The HDMVplus is a member of SmartAVI's HD Multiviewer series of products that allows users to view up to four different HD digital video sources on one display device simultaneously. HDMVplus also supports USB keyboard and mouse functionality, allowing the user to access all four displays from one KVM set.

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 and controlling them from a single set of controls on one display.

A VIBRANT MULTIVIEWING EXPERIENCE

The HDMultiviewer series 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 HDMVplus 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.

FEATURES:

- View up to four sources on a single monitor at the press of a button
- Supports USB keyboard and mouse
- On-screen display (OSD) makes setup and switching easy
- Display each computer with clean and crisp high-resolution video
- Supports DVI-D input resolutions up to 1900 x 1200
- Supports 1080p HDMI output (1920 x 1080)
- Control any one computer or device while monitoring three others
- 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
- 1920 x 1080 HDMI or DVI-D
- Change views by pressing the tact switches, 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
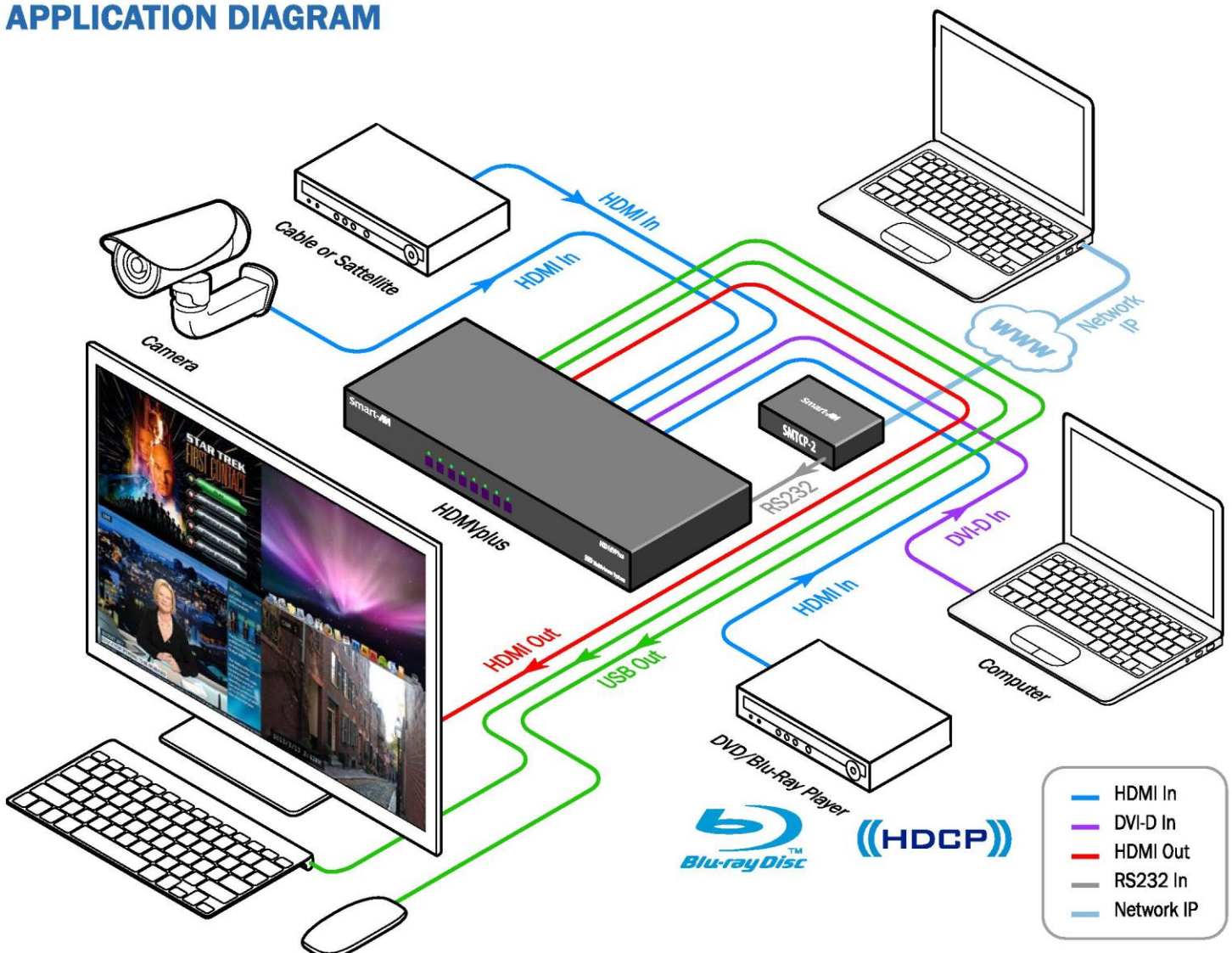- PiP-mode displays one device in full screen with three thumbnail views

SIMPLE OPERATION

Controlling the HDMVplus is easy using front panel buttons, RS-232 or On Screen Display.

Switching between the display modes is simple:
Use the buttons on the front panel, the programmable keyboard hot-keys, 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 HDMVplus' functions. The HDMVplus is easily programmable through the setup function of the OSD.

APPLICATION DIAGRAM

APPLICATIONS

- Corporate or Educational Presentations
- Financial (Remote Servers/User Control)
- Call Centers forTechnical Support
- Industrial (Long-Range Workstation Isolation)

- Airport Installations (AirTraffic 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. Keyboard and mouse operation can be assigned to the field of the corresponding computer.

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.
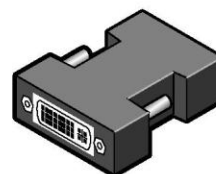
ACCESSORIES

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

SPECIF ICATIONS

HDMVplus Front

HDMVplus 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 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	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-PLUS	4-Port HDMI, USB Real-Time Multiviewer and KVM switch with PiP/Quad/Full modes. Includes: [SM-HDMV-PL (CCPWR06)]

Many industry-leading companies have recognized the innovation and power of SmartAVI's technologies and have successfully implemented them within their systems. Users of SmartAVI technology include:

 Designed and Manufactured in the USA

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SMART AUDIO VIDEO INNOVATION