

TECHNICAL SPECIFICATIONS

VIDEO	
Format	Single-link 340MHz [10.2Gbps]
Maximum Pixel Clock	165 MHz
Input Interface	(16) HDMI
Output Interface	HDMI
Resolution	800 x 600 up to 1920 x 1200
DDC	5 volts p-p (TTL)
Input Equalization	Automatic
Input Cable Length	Up to 20 ft.
Output Cable Length	Up to 20 ft.
USB	
Signal Type	USB 2.0, 1.1, and 1.0 w/ internal hub
Input Interface	(1) 3.5 mm Stereo Audio
Output Interface	(2) USB 1.1 Type A (female) for keyboard/mouse
AUDIO	
Input	(2) 3.5 mm Stereo Audio
Output	(1) 3.5 mm Stereo Audio
POWER	
Power Requirements	12V DC, 3A power adapter with center-pin positive polarity
ENVIRONMENT	
Operating Temp	23 to 95 °F (-5 to 35 °C)
Storage Temp	-4 to 185 °F (-20 to 85 °C)
Humidity	Up to 95% (non-condensing)
CONTROL	
Front Panel	Push Buttons with LED indicators
RS-232	Via Serial @ 9600 bps
Hot Keys	Via Keyboard
OTHER	
Emulation	Keyboard, Mouse and Video

WHAT'S IN THE BOX

PART NO.	QTY	DESCRIPTION
HDMV16X-PLUS	1	16-Port HDMI, USB Real-Time Multiviewer and KVM Switch.
PS12VDC3A	1	12V DC, 3A power adapter with center-pin positive polarity.
	1	Quick Start Guide

NOTICE

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Smart-AVI
SMART AUDIO VIDEO INNOVATION

HDMV-16X-PLUS

16-Port HDMI KVM Multiviewer



16-PORT HDMI 1080P
REAL-TIME MULTIVIEWER

Quick Start Guide

A full Manual can be downloaded from
www.smartavi.com/hdmv-16x-plus-v3/

SYSTEM CONTROL

There are three ways to control the HDMV-16X-PLUS: Keyboard HotKeys, RS-232 Serial Commands, and Front Panel Buttons. The settings for the serial connection are as follows: Baud rate: **9600**; Data Bits: **8**; Parity: **None**; Stop Bits: **1**; Flow Control: **None**.

The following commands can be used:

Command	HotKey	RS-232
Switch KVM	[CT] [CT] m [#]<CR>	// M [#]<CR>
Video Only	[CT] [CT] i [#]<CR>	// I [#]<CR>
Full Screen Mode	[CT] [CT] x 1 <CR>	// x1 <CR>
Quad Mode	[CT] [CT] x 2 <CR>	// x2 <CR>
16X Mode	[CT] [CT] x 3 <CR>	// x3 <CR>
Borders ON	[CT] [CT] b 1 <CR>	-
Borders OFF	[CT] [CT] b 0 <CR>	-
Status	-	// ?? <CR>

Chart Key

[CT] = Ctrl

<CR> = Carriage Return (Enter Key)

HARDWARE INSTALLATION

1. Ensure that power is turned off or disconnected from the unit and the computers.
2. Use HDMI cables to connect the HDMI output ports from each computer to the corresponding HDMI-I IN ports of the unit.
3. Use a USB cable (Type-A to Type-B) to connect a USB port on each computer to the respective USB ports of the unit.
4. Connect monitors to the HDMI-I OUT console ports of the unit using HDMI cables.
5. Connect a USB keyboard and mouse in the two USB console ports.
6. Optionally connect stereo speakers to the AUDIO OUT port of the unit.
7. Finally, power on the KVM by connecting a 12VDC power supply to the power connector, and then turn on all the computers.

Note: You can connect up to 16 computers to the 16 port KVM.

