

HDR16X16

MATRIX SOLUTION
HDMI ROUTER



16-port HDMI Matrix Switch with RS-232, IR, USB and TCP/IP Control

Display Content From Any 16 HDMI Sources On Any 16 Displays Independently Up To 40 Feet Away



Made in the USA

Smart-AVI
SMART AUDIO VIDEO INNOVATION

www.smartavi.com

SIMPLE APPLICATION

HDMI MAXTRIX SWITCHING MADE EASY

The HDR16X16 conforms to the HDMI1.4 (High Definition Media Interface) standard and provides a connection to view any sixteen HDMI video sources on any combination of sixteen video displays. The matrix configuration provides maximum flexibility, allowing switching between any high-definition source and/or display. The SmartAVI HDMI Router 16x16 provides HDMI output up to 40 feet and at HDTV resolutions of 480p, 720p, 1080i and 1080p. The system works with HD-DVD players, TiVo systems, HT PCs, and satellite set-top boxes that connect to an HDMI display. And users can switch to any source locally or remotely via a RS-232, IR, USB or TCP/IP connection. Our HDMI router is controlled by Windows®-based software that is easy to understand and simple to use – a cornerstone of all SmartAVI products.

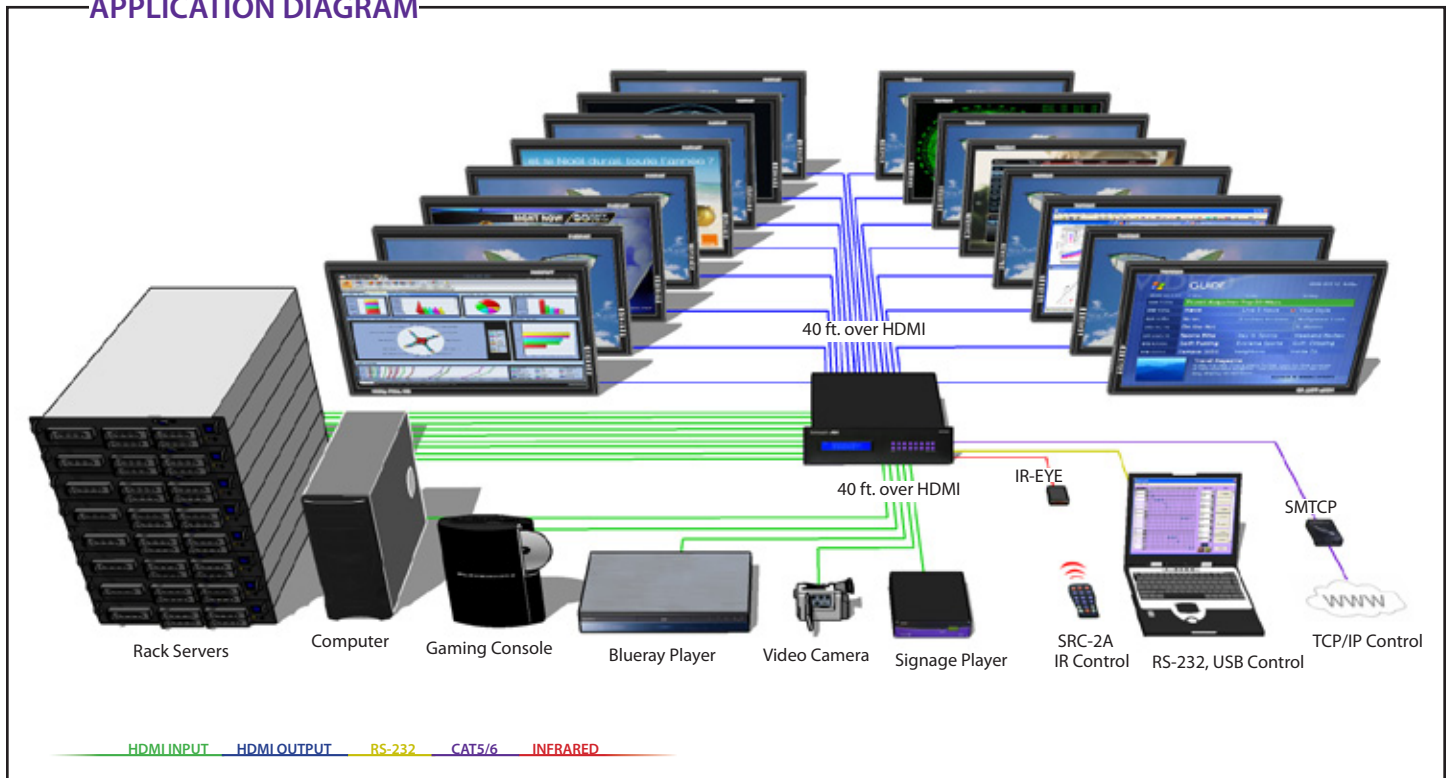
FEATURES

- Switches 16 HDMI inputs with 16 HDMI outputs
- Sources can be routed independently to displays
- Switching controlled via the front panel, RS-232, IR, USB and TCP/IP
- Supports high definition video resolutions of 480p, 720p, 1080i and 1080p
- Supports 7.1 Digital Surround Sound Audio
- HDCP and HDMI 1.3 compliant
- Supports EDID for total control of compliant displays
- Delivers uncompressed digital video with zero signal loss
- Outputs HDMI up to 40 feet
- Rack-mountable

APPLICATIONS

- Wall Displays
- Digital Signage
- Airports
- Dealer Rooms
- Control Rooms
- Audio/Visual Presentations
- Shopping Centers
- Security
- Point-of-Sale
- Hotels/Resorts
- KVM Switch

APPLICATION DIAGRAM



FLEXIBLE CONTROL



RS-232: Controlling the HDR16X16 has never been simpler with SmartControl software. With SmartControl, you can assign a unique name to each port on the AVRouter, as well as each display, customizing projects to meet your needs. Although all the functions of the matrix are available locally on the front panel of the HDR16X16, using SmartControl allows for customization of all the matrix functions.



USB: Computers that do not have an RS-232 port can connect to the HDR16X16 via SmartAVI's USB to RS-232 converter. Utilize all the control of an RS-232 control interface with the simple and common USB interface. This solution is perfect for laptops and newer computers that only have a USB port.



IR: Many system professionals prefer the IR control interface because it offers greater flexibility to manage the HDR16X16 at a distance. In some cases, the displays will not be visible from the matrix. In these situations it is necessary to control the matrix with Infrared control.



TCPIP: Remote control is essential to real-time management of the HDR16X16. SmartAVI's SMTCP module is the perfect solution to effective remote management. Simply connect the SMTCP module to the HDR16X16 and connect from anywhere on the internet. When you need to make a change, but can't be there in person, the SMTCP makes remote control a snap.

SPECIFICATIONS

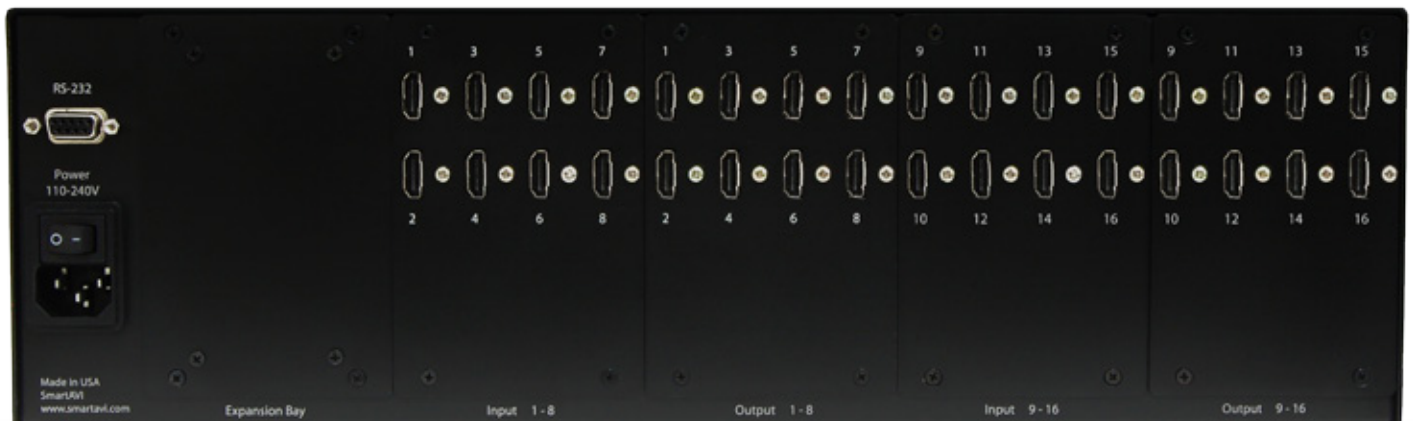
VIDEO	
HDTV Resolutions	480p, 720p, 1080i, 1080p
TV Resolution	480i
Input Interface	(16) HDMI Type A 19-pin Female TMDS
Output Interface	(16) HDMI Type A 19-pin Female TMDS
Input Cable Length	Up to 40 ft.
Output Cable Length	Up to 40 ft.
OTHER	
Warranty	Limited 1 Year Parts and Labor
Control	Panel, RS-232, IR, USB and TCP/IP
Power	Internal 100-240 VAC, 50-60 HZ, 60 Watts
Dimensions	19"W x 5.25"H (2U) x 13"D
Weight	15 lbs.
HDR16X16 Approvals	FCC, CE, RoHS Compliant
Power Supply Approvals	UL, CE, CSA, CEC, RoHS

ENVIRONMENTAL	
Operating Temperature	0 to +40° C (+32° to 104° F)
Operating Humidity	10% to 85% (Non-condensing)
Storage Temperature	-20° to +60° (+20° to +140° F)
Storage Humidity	10% to 85% (Non-condensing)

ORDERING INFO

Part No.	DESCRIPTION
HDR16X16	HDMI 16x16 Router. Includes :[HDR16X16 & CCPWR06USA]

HDR16X16 Rear



Many leading companies have recognized and embraced the innovation of SmartAVI's technologies and have successfully incorporated them into their organizations. Clients of SmartAVI include:



SmartAVI, Inc. / Twitter: smartavi - 11651 Vanowen St. North Hollywood, CA 91605
Tel: (818) 503-6200 Fax: (818) 503-6208 - <http://www.SmartAVI.com>

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