HDR16X16
MATRIX SOLUTION HDMI ROUTER

OUTPUT 01▸01 05▸05 09▸09 13▸13
        02▸02 06▸06 10▸10 14▸14
        03▸03 07▸07 11▸11 15▸15
        04▸04 08▸08 12▸12 16▸16

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

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

Smart-AVI
SMART AUDIO VIDEO INNOVATION

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.
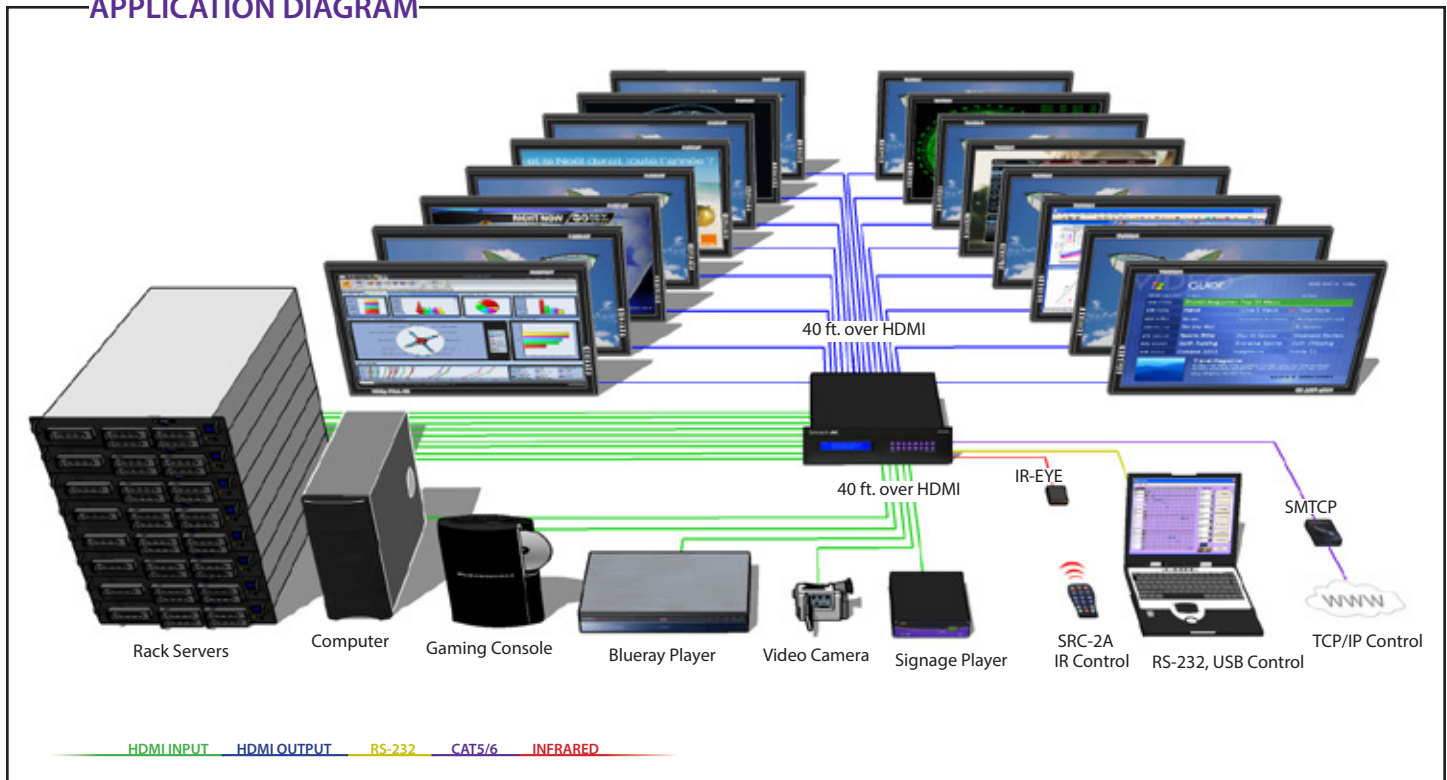
FEATURES
- Switches 16 HDMI inputs with 16 HDMI outputs
- Sources can be routed independently to displays
- Switching controlled via the front panel, RS-232, IR, and TCP/IP
- Supports high definition video resolutions of 480p, 720p, 1080i and 1080p
- Supports 7.1 Digital Surround Sound Audio
- HDCP and 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

40 ft. over HDMI

40 ft. over HDMI

IR-EYE

SMTCP

Rack Servers   Computer   Gaming Console   Blueray Player   Video Camera   Signage Player   SRC-2A IR Control   RS-232, USB Control   TCP/IP Control

HDMI INPUT   HDMI OUTPUT   RS-232   CAT5/6   INFRARED

Made in the USA

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.

IR: Many system proffesionals 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.
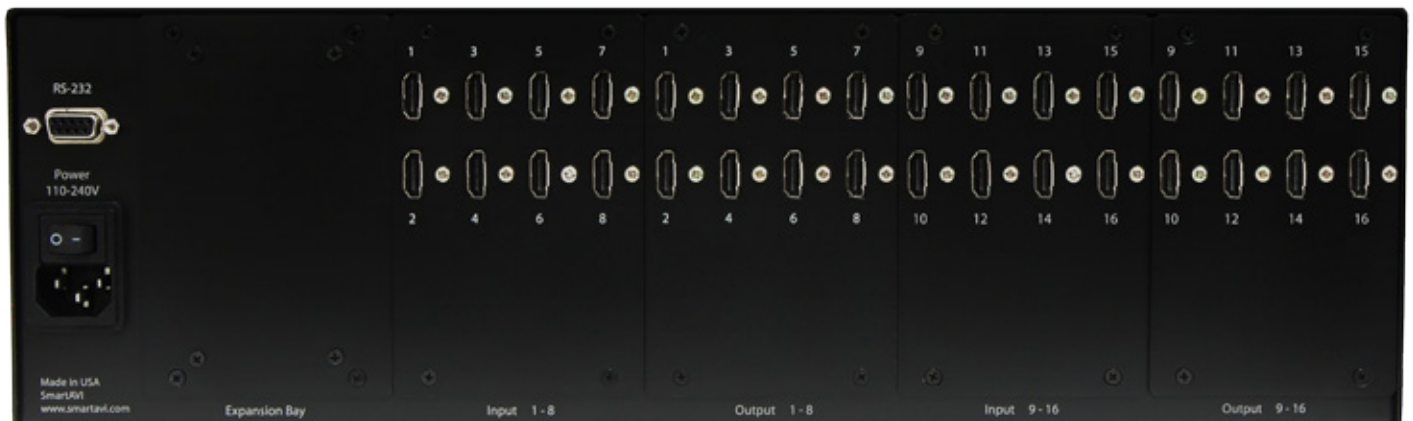
SPECIFICATIONS

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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