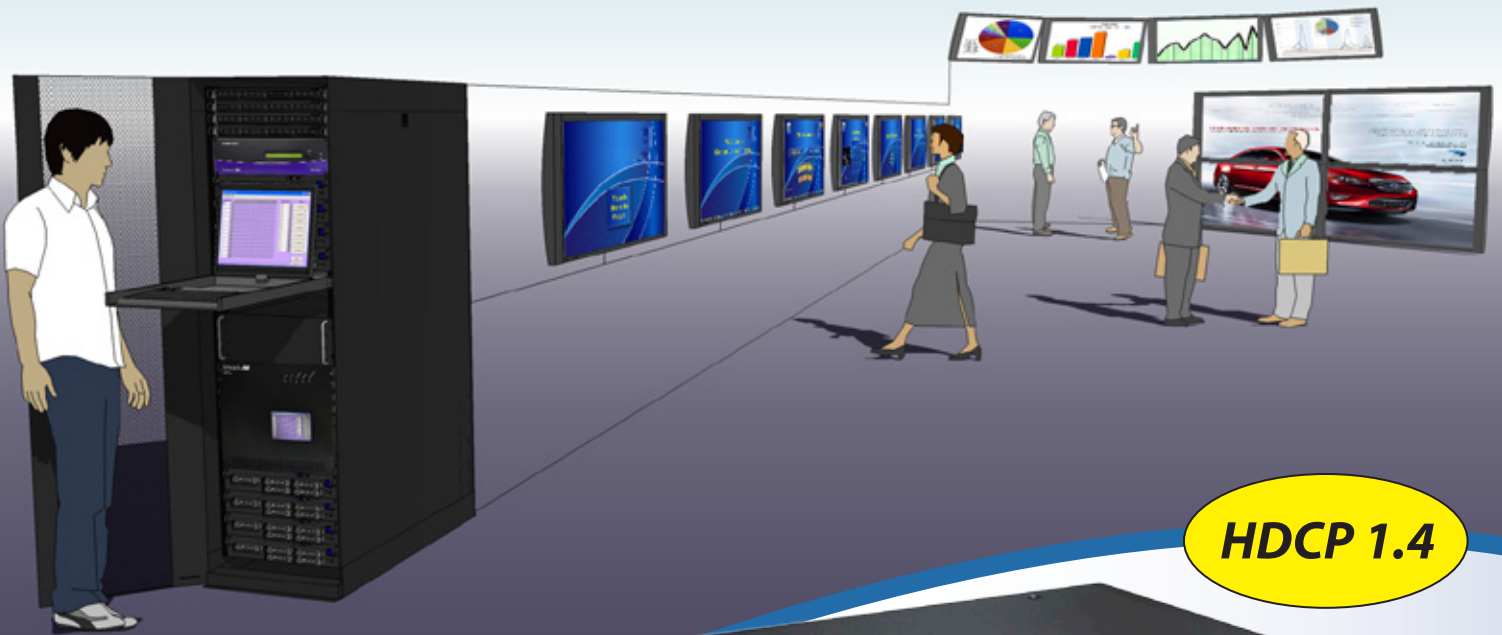


# HDR 8X8

MATRIX SOLUTION  
HDMI ROUTER



**HDCP 1.4**



## 8-port HDMI Matrix Switch with Front Panel, RS-232, IR, and TCP/IP Control

Display Content From Any 8 HDMI Sources On Any 8 Displays Independently Up To 40 Feet Away



Made in the USA

**Smart-AVI**  
SMART AUDIO VIDEO INNOVATION

[www.smartavi.com](http://www.smartavi.com)

# SIMPLE APPLICATION

## HDMI MAXTRIX SWITCHING MADE EASY

The HDR8X8 conforms to the HDMI (High Definition Media Interface) standard and provides a connection to view any eight HDMI video sources on any combination of eight video displays. The matrix configuration provides maximum flexibility, allowing switching between any high-definition source and/or display. The SmartAVI HDMI Router 8x8 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, or TCP/IP connection. Our DVI router is controlled by Windows®-based software that is easy to understand and simple to use – a cornerstone of all SmartAVI products.

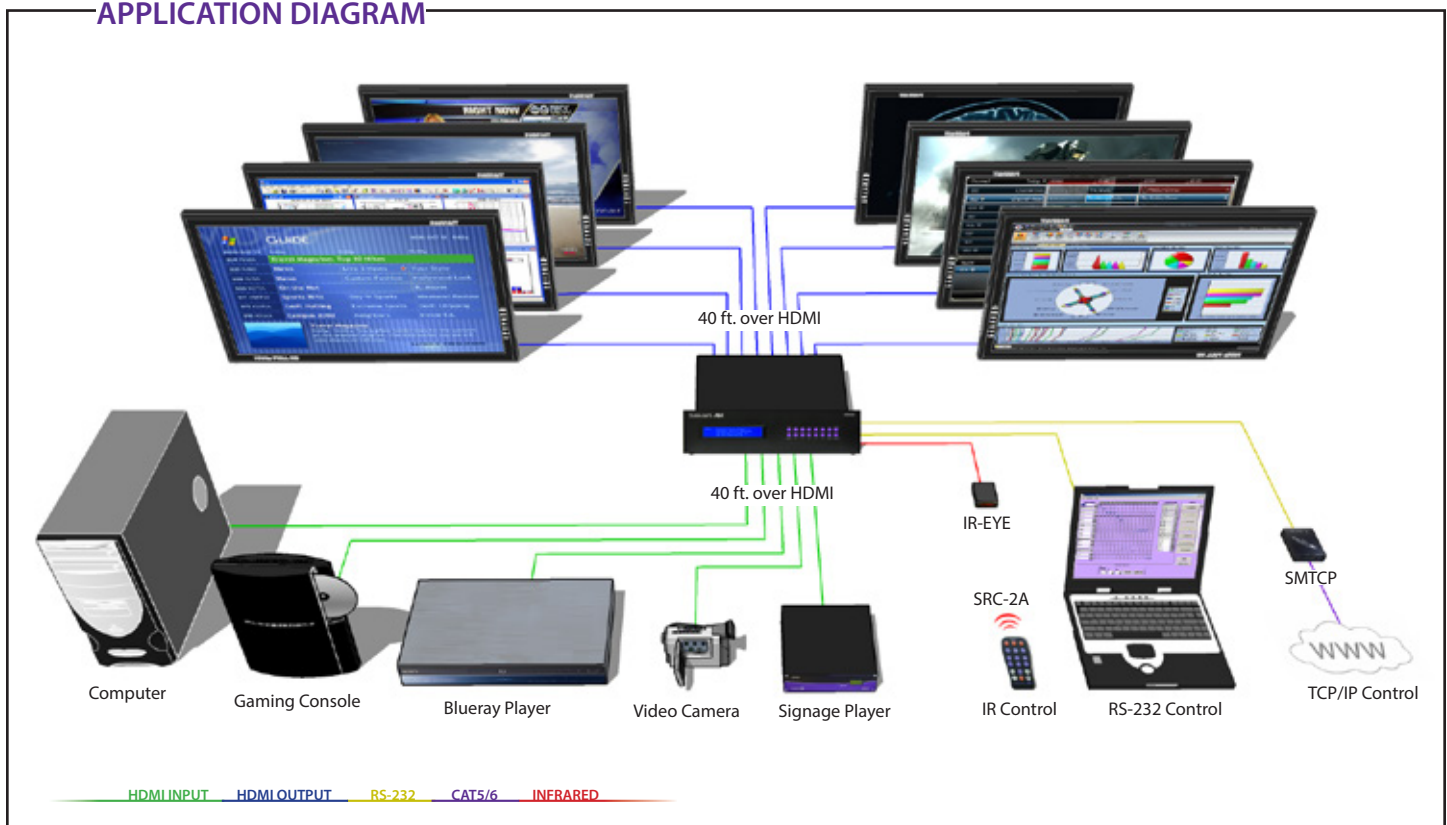
### FEATURES

- Switches 8 HDMI inputs with 8 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 1.4 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 HDR 8X8 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 HDR 8X8, using SmartControl allows for customization of all the matrix functions.

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**IR:** Many system professionals prefer the IR control interface because it offers greater flexibility to manage the HDR 8X8 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.

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**TCPIP:** Remote control is essential to real-time management of the HDR 8X8. SmartAVI's SMTCP module is the perfect solution to effective remote management. Simply connect the SMTCP module to the HDR 8X8 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	(8) HDMI Type A 19-pin Female TMDS
Output Interface	(8) 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
Dimensions	19"W x 5.25"H (3U) x 7"D
Weight	10 lbs.
HDR 8X8 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
HDR8X8S	HDMI 8x8 Router. Includes: [HDR8X8, (SM-CSW) & CCPWR06]
SM-TCP-2S	TCP/IP Control for SmartAVI Matrixes. Includes: [SMTCP-2, (CCRS232MM-X) & (PSSVD2A)]
SM-LED	IR Emitter 6' Single LED
SM-EYE	External Infrared Receiver; IR range of 10' to 30'
SM-EYE2	External Infrared Receiver; IR range of 10' to 20', 38KHz Max
RMT-2	Remote Control Device type 2

HDR 8X8 Front



HDR 8X8 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:



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