



Front side



Back side

8x8 HDMI 2.0 Matrix with Seamless switching & videowall 18Gbps

This seamless 18Gbps 8x8 UHD Matrix can connect eight (8) HDMI sources to eight (8) HDMI displays. It supports video resolutions up to 4k @60Hz (4:4:4). It also supports IR matrix, with IR matrix routing following the video routing, and audio extract and insert are supported as well. The product supports one or more video walls with RS232 commands.

9 Units: 1x matrix and 8x receiver units

Featured Highlights

- HDMI 2.0b, HDCP 2.2 compliant
- Up to 4K / 2K @60Hz with 24bit RGB / YCbCr (4:4:4)
- Seamless switching and video wall
- Supports Bezel Compensation
- Built-in video scaling up/down
- Analog audio embedded from input and breakout from output
- Advanced EDID management
- Source and Display control via CEC
- Front panel button, IR, RS-232, TCP/IP and Web GUI control



SPECIFICATIONS

HDMI Compliance	HDMI2.0
HDCP Compliance	HDCP2.2
Bandwidth	18Gbps

MECHANICAL

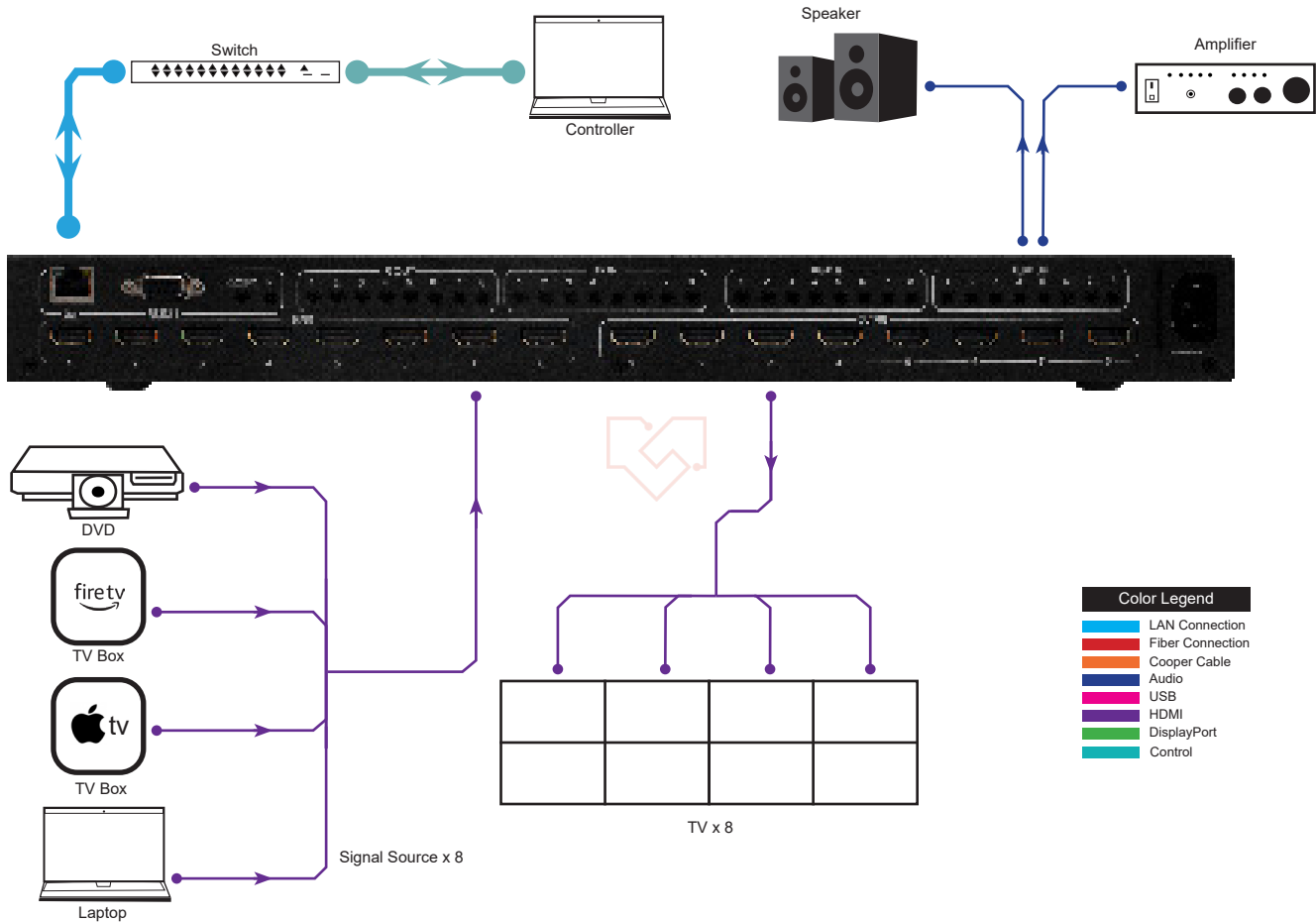
Housing	Metal Enclosure
Color	Black
Dimensions	430mm (L) X 300mm (W) X 44mm (H)
Weight	5kg
Power Supply	AC 110 - 240V
Power Consumption	100W (Max)
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 70°C / -4°F ~ 158°F
Relative Humidity	10%~50% RH (Non-Condensation)

RS232/Ethernet Control

Baud rate and protocol	Baud rate: 9600, data bit: 8, stop bit: 1, no parity checking
Ethernet	IE10.0+, HTML5

Video Resolution

Input	800x600@60Hz, 1024x768@60Hz, 1280x768@60Hz, 1280x800@60Hz, 1280x1024@60Hz, 1360x768@60Hz, 1366x768@60Hz, 1400x1050@60Hz, 1440x900@60Hz, 1600x1200@60Hz, 1680x1050@60Hz, 1920x1200@60Hz, 480p, 576p, 720p, 1920x1080i, 1920x1080p, 3840x2160@24Hz/25Hz/30Hz/50Hz/60Hz, 4096x2160@24Hz/25Hz/30Hz/50Hz/60Hz.
Output	1920x1080@60Hz, 3840x2160@30Hz, 3840x2160@60Hz, 1280x720@60Hz, 1024x768@60Hz, 1360x768@60Hz, 1600x1200@60Hz, 1920x1200@60Hz
HDMI Amplitude	T.M.D.S +/- 0.4Vpp
Differential impedance	100±15ohm
ESD Protection	Human-body Model: ±8kV (Air-gap discharge) , ±4kV (Contact discharge)

APPLICATION EXAMPLE

Applications

Digital Signage, Conference Rooms, Operating Rooms and Audio-Video Rooms