



## 4x4 HDMI 2.0 Matrix with Seamless switching & videowall 18Gbps& Multiviewer

Introducing VigilLink's 18Gbps 4x4 Seamless Matrix! Designed to streamline your video transmission needs, this solution effortlessly connects 4 HDMI sources to 4 HDTV displays. With versatile video wall and multi-viewer functions offering various display modes, along with support for a 4x4 IR matrix and audio embedding/de-embedding, it ensures a seamless viewing experience.

Enjoy stunning video resolution up to 4K@60Hz 4:4:4, with each source individually scalable for tailored presentations.

Experience smooth picture transitions without frame loss, thanks to seamless switching.

Control is at your fingertips with front panel buttons, IR remote, RS-232, and Web GUI options.

### Feature Highlights

- HDCP 2.2 compliant
- Supports video resolution up to 4K@60Hz 4:4:4 and 18Gbps video bandwidth, as specified in HDMI 2.0
- Supports 12 display categories in multi-viewer mode, and 9 splicing modes in video wall mode
- HDMI audio format: LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio
- Supports CEC control, and multiple video resolution output
- Advanced EDID management
- Control via front panel buttons, IR remote, RS-232, and Web GUI

## TECHNICAL

HDMI Compliance	HDMI 2.0
HDCP Compliance	HDCP 2.2
Video Bandwidth	594MHz/18Gbps
Video Resolution	480i ~1080P@50/60Hz, 4K2K@24/30Hz, 4K2K@60Hz
Color Space	RGB, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0
Color Depth	8/10/12-bit
Audio Formats	LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS- 96/24, DTS High Res, DTS-HD Master Audio
IR Level	12Vp-p
IR Frequency	Wideband 20K-60KHz
ESD Protection	Human body model — ±8kV (Air-gap discharge) & ±4kV (Contact discharge)

## MECHANICAL

Housing	Metal Enclosure
Color	Black
Dimension	440mm [W] × 203mm [D] × 44.5mm [H]
Weight	2.55kg
Power Supply	Input: AC 100-240V 50/60Hz, Output: DC 12V/2.5A (US/EU standard, CE/FCC/UL certified)

## CONNECTIONS

Input:	4 × HDMI INPUT [Type A, 19-pin female] 4 × L/R AUDIO INPUT [3.81mm, 3pin Phoenix Connector]
Output:	4 × HDMI OUTPUT [Type A, 19-pin female] 4 × OPTICAL AUDIO OUT [S/PDIF] 4 × L/R AUDIO OUT [3.81mm, 5pin Phoenix Connector]
Control:	1 × TCP/IP [RJ45] 1 × RS-232 [D-Sub 9] 1 × IR EXT [3.5mm, Stereo Mini-jack] 4 × IR INPUT [3.5mm, Stereo Mini-jack] 4 × IR OUTPUT [3.5mm, Stereo Mini-jack]

## MECHANICAL

Power Consumption	25W (Max)
Operation Temperature	032 - 104°F / 0 - 40°C
Storage Temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20~90% RH (non-condensing)

## RECOMMENDED HDMI CABLES

VIDEO RESOLUTION	8K60	4K60	1080P
HDMI CABLE LENGTH (HDMI IN/ OUT)	5m/16ft	10m/32ft	15m/50ft

The use of "Premium High Speed HDMI" cable is highly recommended.

## Classic Application Example

