



18Gbps 4x4 HDMI Seamless Matrix Switcher with TV Wall

Introducing VigilLink's 4K60 4:4:4 seamless matrix – a powerhouse in high-speed video processing. This cutting-edge system offers flexibility with two output modes, serving as both a 4×4 seamless matrix switcher and a dynamic video wall solution in configurations like 2×2, 4×1, or 1×4. With a user-friendly web browser interface module, control and configuration are seamless whether used standalone or integrated with third-party control systems.

Enjoy multiple control options including front-panel push buttons, IR remote control, RS-232 interface, and TCP/IP for effortless operation.

Feature Highlights

- Compliant HDCP 2.2 and HDCP 1.4
- Features 2 operational modes:
 - 4×4 Matrix (seamless switch)
 - Video wall (2×2, 4×1 or 1×4 etc configuration)
- Seamless video switching
- Video inputs support all industry standard video resolutions including VGA-WUXGA (up to 1920×1200 @60Hz) and 480i-4K (3840 x 2160 @60Hz 4:4:4, 4096 x 2160 @60Hz 4:4:4) as specified in HDMI 2.0b
- HDMI outputs support upscale or downscale to any resolution, up to 4096 x 2160@60Hz 4:4:4
- Supports LPCM, DD, DD+, DTS, Dolby TrueHD, DTS HD-master pass-through
- Advanced EDID management
- Web interface module for control and configuration of Matrix
- Control via front panel, IR, RS-232 and TCP/IP
- 3rd Party drivers available for all major home control brands

TECHNICAL

HDMI Compliance	HDMI 2.0
HDCP Compliance	HDCP 2.2/1.4
Video Bandwidth	594MHz/18Gbps
Video Resolution	Input: VGA-WUXGA (up to 1920×1200@60Hz), 480i-4K (3840x2160@60Hz 4:4:4, 4096x2160@60Hz 4:4:4) Output: 4096x2160p60, 4096x2160p50, 3840x2160p60, 3840x2160p50, 3840x2160p30, 1920x1080p60, 1920x1080p50, 1920x1080i60, 1920x1080i50, 1920x1200p60rb, 1360x768p60, 1280x800p60, 1280x720p60, 1280x720p50, 1024x768p60, auto
Color Space	RGB, YCbCr 4:4:4/4:2:2, YUV 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	38KHz
HDMI Audio Formats	LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio

CONNECTIONS

Input:	4 x INPUT [HDMI Type A, 19-pin female]
Output:	4 x OUTPUT [HDMI Type A, 19-pin female]
Control:	1 x RS-232 [3pin-3.81mm phoenix connector] 1 x TCP/IP [RJ45] 1 x IR EXT [3.5mm Stereo Mini-jack]

MECHANICAL

Housing	Metal Enclosure
Color	Black
Dimensions	270mm (W) × 166mm (D) × 30mm (H)
Weight	1165g
Power Supply	Input: AC 100 - 240V 50/60Hz Output: DC 12V/2.5A (US/EU standard, CE/FCC/UL certified)
Power Consumption	19.56W (Max)
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20~90% RH (non-condensing)

Classic Application Example

