



4x4 HDMI 2.0 Matrix with output 4K to 1080p downscaling 18Gbps

The 4x4 HDMI Matrix supports the transmission of the video signal (up to 4K2K@60Hz YCbCr 4:4:4) with multichannel digital audio from up to four high-definition sources to up to four HDMI outputs. Each output supports more downscale functionality. It can display the same or different screen on four displays (the user can choose the display screen for any signal source). Also, the product has a distribution mode and switching mode.

Feature Highlights

- HDCP 2.2 compliant
- Up to 4K2K@60Hz with 24bit RGB/YCbCr 4:4:4
- HDR, HDR10, HDR10+, Dolby Vision pass-through
- Supports LPCM 7.1CH, Dolby TrueHD, and DTS-HD Master Audio
- Supports 4K -> 1080P Downscaler
- Supports advanced EDID management
- Flexible control via panel or IR remote control

SPECIFICATIONS

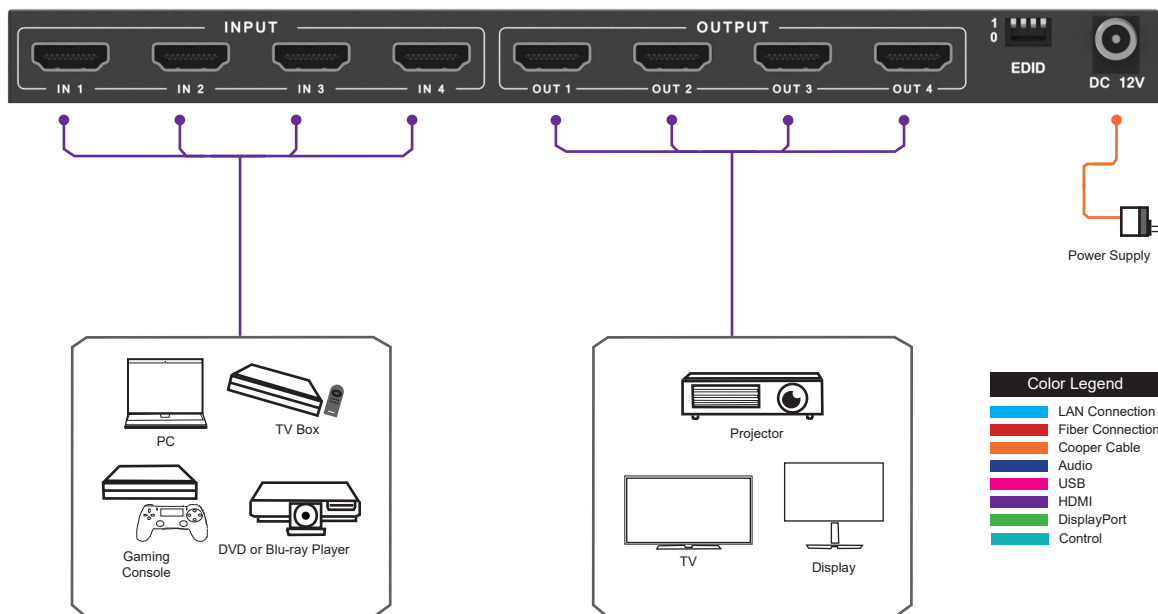
HDCP Compliant	HDCP 2.2 / 1.x
Video Bandwidth	594MHz / 18Gbps
Video Resolution	480i ~ 1080p 50/60Hz, 4Kx2K@24/30Hz, 4K2K@60Hz
Color Space	RGB, YCbCr 4:4:4 / 4:2:2. YUV 4:2:0
Color Depth	8-bit, 10-bit, 12-bit (1080p@60Hz) 8-bit (4K2K@60Hz YUV4:4:4) 8-bit, 10-bit, 12-bit (4K2K@60Hz YCbCr 4:2:2 / 4:2:0)
HDMI Audio Formats	LPCM 7.1CH, Dolby TrueHD, and DTS-HD Master Audio
ESD Protection	Human-body Model: ±8kV (Air-gap discharge), ±4kV (Contact discharge)

MECHANICAL

Housing	Metal Enclosure
Color	Black
Dimensions	220mm(W)×205mm(D)×19mm(H)
Weight	535g
Power Supply	Input: AC100~240V 50/60Hz Output: DC 12V/2.5A(US/EU standard, CE/FCC/UL certified)
Power Consumption	11.04W
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-Condensation)

CONNECTIONS

Input Ports	4×HDMI Type A [19-pin female] 1×IR Receiver Window 1×Micro USB
Output Ports	4×HDMI Type A [19-pin female]

APPLICATION EXAMPLE


Applications

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