



UHD HDMI Matrix Switcher

TRI-AVC-H44SS4K-6003



Product Overview

TRI-AVC-H44SS4K-6003 4K60 4:4:4 HDMI matrix is a multipurpose high-speed video processing system. It can be configured for 2 different output modes. It can perform as a 4×4 seamless matrix switcher or as a 2×2, 4×1, or 1×4 4K video wall solution.

It also features a web browser interface module for control and configuration of the matrix when used standalone or with a third-party control system. Control options include front-panel push buttons, IR remote control, RS-232 interface, and TCP/IP.

4K

4096×2160 @60Hz
4:4:4



Dolby
True HD

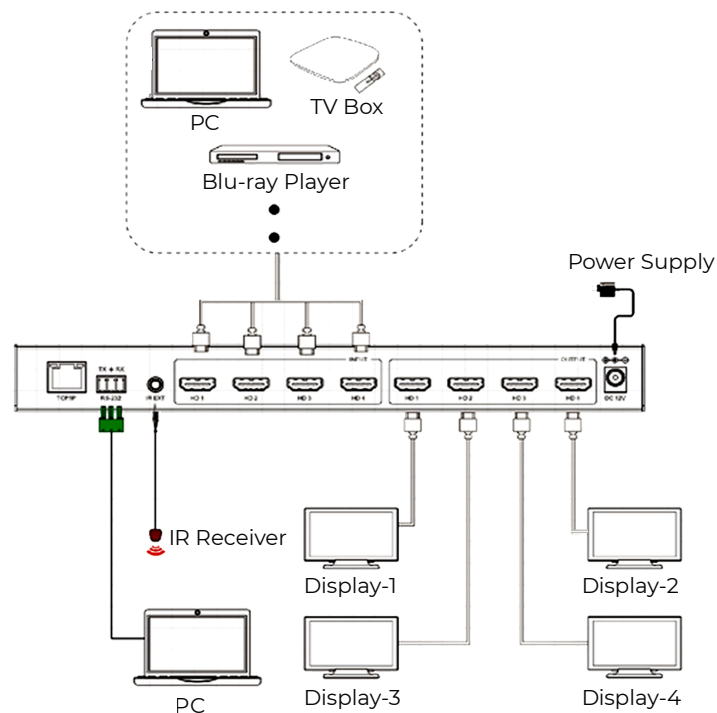


Scale

Key Features

- Compliant HDMI 2.0b
- 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 4K/UHD (3840×2160 @60Hz 4:4:4, 4096×2160 @60Hz 4:4:4)
- HDMI outputs support upscale or downscale to any resolution up to 4096×2160 @60Hz 4:4:4
- Support 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

Connection Diagram



Product specification

Interface

Input: 4 × HDMI Type-A (19-pin female)

Output: 4 × HDMI Type-A (19-pin female)

Other: 1 × RS-232 (3-pin terminal block), 1 × TCP/IP (RJ45), 1 × IR EXT (3.5mm stereo mini jack)

HDMI Version

HDMI 2.0b, HDCP 2.2 / 1.4

Video Bandwidth

594MHz / 18Gbps

Video Resolution

Input: VGA-WUXGA (up to 1920×1200 @60Hz), 3840×2160 @60Hz (4:4:4), 4096×2160 @60Hz (4:4:4)

Output: 1920×1080p, 1280×720p, 1024×768p, auto

Color Space

RGB, YCbCr 4:4:4, 4:2:2, 4:2:0

Color Depth

8-bit, 10-bit, 12-bit

HDMI Audio Formats

LPCM, Dolby Digital/Plus/EX, Dolby TrueHD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio

ESD Protection

±8kV (air discharge), ±4kV (contact discharge)

Housing

Metal enclosure

Color

Black

Dimensions

270mm (W) × 168mm (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

19.5W (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)