



UHD seamless HDMI switcher

TRI-AVC-H44AS4K-6004



Product Overview

TRI-AVC-H44AS4K-6004 is a perfect solution for video transmission from 4 HDMI sources to 4 HDTV displays. It has video wall and multi-viewer functions with multiple display modes. 4x4 IR matrix and audio embedded and de-embedded are also supported. Video resolution is up to 4K@60Hz 4:4:4. Each of the sources can be individually scaled. And seamless switching ensures a smooth picture transition without frame loss. This matrix can be controlled via front panel buttons, LCD screen, IR remote, RS-232, and Web GUI.



4K60
Resolution



Dolby
Digital



CEC Control

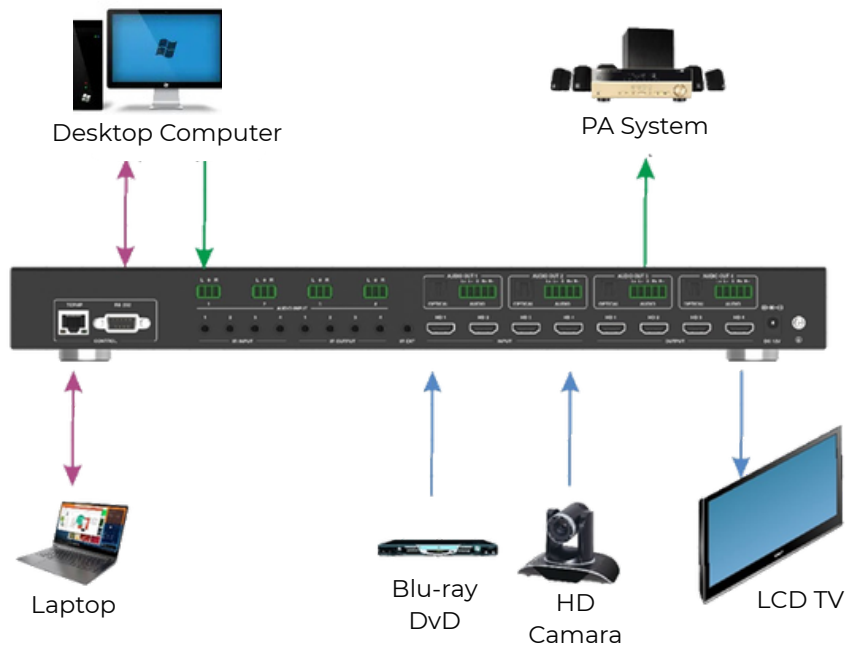


Scale

Key Features

- HDMI 2.0 and HDCP 2.2 compliant
- Video resolution is up to 4K@60Hz 4:4:4
- Support 18Gbps video bandwidth
- Support 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
- Support CEC control, and multiple video resolution output
- Advanced EDID management
- Control via front panel buttons, IR remote, RS-232, and Web GUI

Connection Diagram



Product specification

Interface

Input:

4 × HDMI INPUT (Type A, 19-pin female)
4 × L/R AUDIO INPUT (3.81 mm, 3-pin Phoenix Connector)

Output:

4 × HDMI OUTPUT (Type A, 19-pin female)
4 × OPTICAL AUDIO OUT (S/PDIF)
4 × L/R AUDIO OUT (3.81 mm, 5-pin Phoenix Connector)

Control:

1 × TCP/IP (RJ45)
1 × RS-232 (D-Sub 9)
1 × IR EXT (3.5 mm, Stereo Mini-jack)
4 × IR INPUT (3.5 mm, Stereo Mini-jack)
4 × IR OUTPUT (3.5 mm, Stereo Mini-jack)

HDMI version

HDMI 2.0, HDCP 2.2

Video bandwidth

594 MHz / 18 Gbps

Video resolution

480i ~ 1080p@50/60 Hz, 4K2K@24/30 Hz,
4K2K@60 Hz

RS-232 Control

Baud rate: 9600
Data bit: 8
Stop bit: 1
no parity checking

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)

Housing

Metal Enclosure

Color

Black

Product specification

Dimensions

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)

Video color space

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

Power Consumption

25W (Max)

Operating temperature

32–104°F / 0–40°C

Storage temperature

–4–140°F / –20–60°C

Permissible humidity

20–90% RH (non-condensing)