



## UHD HDMI switcher

**TRI- AVC-HSW4K-6001**



### Product Overview

The 18 Gbps 8x8 HDMI Matrix supports the transmission of video (up to 4K2K@60Hz YUV 4:4:4) and multi-channel high-resolution digital audio from 8 HDMI sources to 8 HDMI displays. Audio de-embedded to analog and coaxial audio is supported from 8 HDMI output ports. While HDMI output ARC function is enabled, the ARC audio from HDMI display devices will be extracted to coaxial audio output. Each HDMI output of this 8x8 HDMI Matrix supports 4K2K to 1080P downscaler independently. The control is via front panel buttons, IR remote, RS-232, LAN and Web GUI.



4K60  
Resolution



Dolby & HLG  
Supported



ARC  
Function

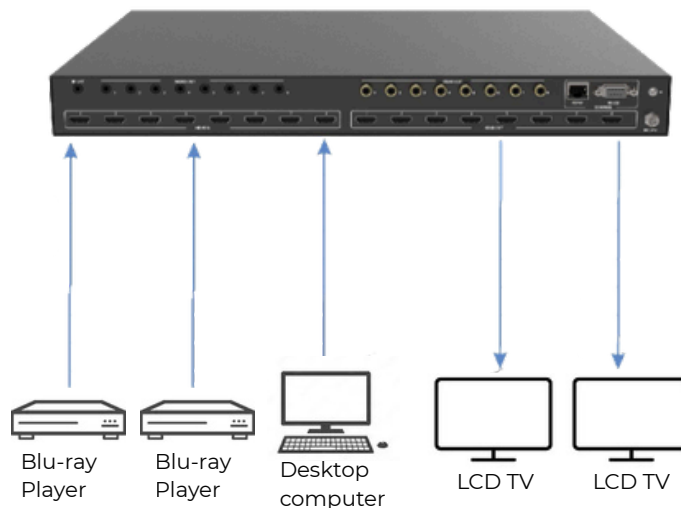


Scale

### Key Features

- Compatible with HDMI 1.3b standard.
- HDMI 2.0b, HDCP 2.2 and HDCP 1.4 compliant.
- Video resolution up to 4K2K@60Hz (YUV 4:4:4) on all HDMI ports.
- Support 18Gbps video bandwidth.
- Dolby Vision, HDR10+ and HLG are supported.
- Support 4K->1080P Down Scaler for each output port.
- HDMI audio pass-through up to 7.1CH HD audio (LPCM, Dolby TrueHD and DTS-HD Master Audio)
- Audio de-embedded is supported via analog and coax ports.
- ARC, CEC and smart EDID management are supported.
- Control via front panel buttons, IR remote, RS-232, LAN and Web GUI.
- 1U rack mounted design with front panel OLED display

## Connection Diagram



## Product specification

### HDMI version

HDMI 2.0

### HDCP version

HDCP 2.2

### Video bandwidth

18Gbps

### Video resolution

Up to 4K2K@50/60Hz (4:4:4)

### Video color space

RGB, YCbCr4:4:4, YCbCr4:2:2, YCbCr 4:2:0

### HDMI audio format (Pass-through)

LPCM 2/5.1/7.1, Dolby Digital, DTS 5.1, Dolby Digital+, Dolby TrueHD, DTS-HD Master Audio, Dolby Atmos, DTS:X

### ESD Protection

Human-body Model:  $\pm 8\text{kV}$  (Air-gap discharge),  $\pm 4\text{kV}$  (Contact discharge)

### Input interface

8× HDMI Type A (19-pin female); 1× IR EXT (3.5mm Stereo Mini-jack)

### Working temperature and humidity

$-10^{\circ}\text{C} \sim 45^{\circ}\text{C}$  /  $14^{\circ}\text{F} \sim 113^{\circ}\text{F}$ ; 20–90% RH (non-condensing)

### Output interface

8× HDMI Type A (19-pin female)

8× Coax Audio (RCA)

8× L/R Audio (3.5mm Stereo Mini-jack)

### The recommended maximum output distance

Transmission 4K/60Hz, the cable is less than 5m

Transmission 4K/30Hz, the cable is less than 10m

Transmission 1080P/60Hz, the cable is less than 15m

### Cover

Black metal

### Size

440mm (W) × 200mm (D) × 44.5mm (H)

### Weight

2.8kg

### Power supply

Input: AC 100–240V 50/60Hz

Output: DC 12V/5A (US/EU standard, CE/FCC/UL certified)

### Power consumption

43W

### Storage temperature and humidity

$-20^{\circ}\text{C} \sim 60^{\circ}\text{C}$  /  $-4^{\circ}\text{F} \sim 140^{\circ}\text{F}$ ; 20–90% RH (non-condensing)