



# HDMI Multiviewer Seamless UHD Video Switcher

## TRI-AVC-HMV4K-6002



### Product Overview

The TRI-AVC-HMV4K-6002 4K60 4x1 Multiviewer Seamless UHD Video Switcher was developed for the purpose of supporting higher output resolution (4K@60) for multiple sources on a single screen. It can combine up to four video signals onto a single UHD or HD displayer. The user can easily manage each input via the supplied Control Software and create any layout and position of any of the four inputs on a single monitor. It supports full range of input video resolutions up to 4K@60 (RB) and audio RCA /Optical de-embedding supported for external audio distribution systems. It can be controlled via front panel buttons, IR remote, RS-232 commands.



4K@60Hz



8 Display  
Mode



7.1 Audio  
Channel

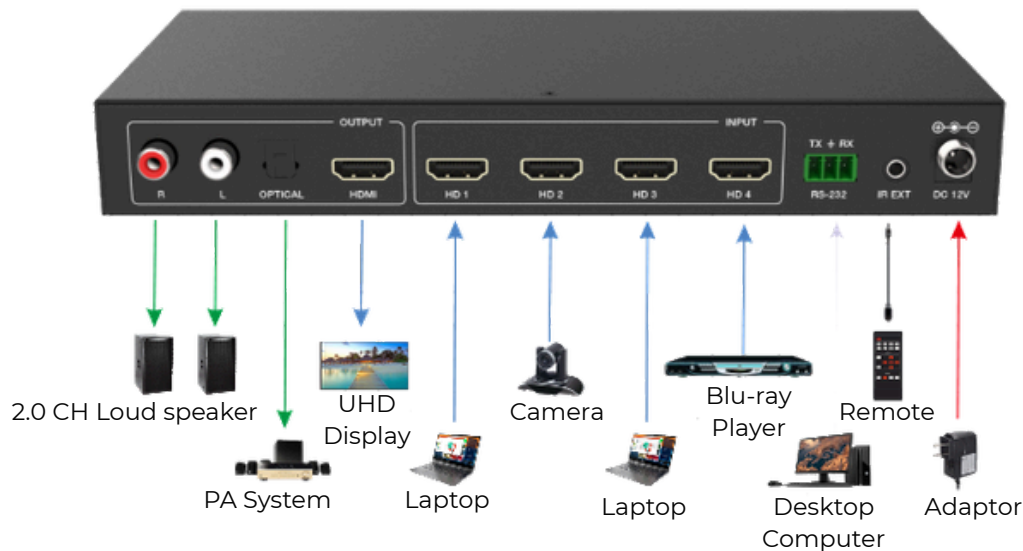


OSD  
Navigation

### Key Features

- HDMI 2.0 and HDCP 2.2 compliant
- Support 18Gbps video bandwidth
- Input and output resolutions support up to 4K@60Hz
- Support LPCM, AC3, DD+, DTS, DTS-HD, up to 7.1 audio channel
- Seamless switching between input channels and combined multiple images on single UHD monitor
- Up to 8 display modes: SINGLE, PIP, PBP (1), PBP (2), Triple (1), Triple (2), Quad (1), Quad (2)
- Seamless switching on single screen display mode
- Fast switching on multiview display mode
- Audio de-embedding via analog and optical fiber audio ports
- Support volume control and independent audio selection
- Support OSD navigation for advanced setting
- Support EDID management
- Control via front panel buttons, IR remote, RS-232 commands
- Compact design for easy and flexible installation

## Connection Diagram



## Product specification

### HDMI version

HDMI2.0b

### HDCP version

HDCP 2.2

### Video bandwidth

18Gbps

### Video resolution

Up to 4K2K@50/60Hz

### Video color space

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

### HDMI audio format (Pass-through)

HDMI: PCM2.0/5.1/7.1CH, Dolby Digital/Plus, DTS, DTS High Res;  
Analog audio [3.5mm L/R]: PCM2.0;  
SPDIF (OPTICAL): Dolby Digital, DTS 5.1, PCM2.0.

**Note:** It does not support HBR audio.

### ESD Protection

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

### Input interface

4  $\times$  HDMI IN (Type A, 19-pin female)

### Output interface

1  $\times$  HDMI OUT (Type A, 19-pin female);  
1  $\times$  L/R OUTPUT (RCA);  
1  $\times$  OPTICAL OUTPUT (S/PDIF)

### Control ports

1  $\times$  RS-232 (3-pin 3.81mm phoenix connector)  
1  $\times$  IR EXT (3.5mm Stereo Mini-jack)

### Cover

Black metal

### Size

220mm (W)  $\times$  100mm (D)  $\times$  30mm (H)

### Weight

620g

### Power supply

Input: AC 100–240V 50/60Hz  
Output: DC 12V/2.5A (US/EU standard, CE/FCC/UL certified)

### Power consumption

10W (Max)

### Working temperature and humidity

0–40°C / 32–104°F; 20–90% RH (non-condensing)

### Storage temperature and humidity

–20°C–60°C / –4°F–140°F; 20–90% RH (non-condensing)