

AVG-4KS42-402

4K HDR HDMI Matrix Switcher - 4x2



This Avönic matrix is a simple HDMI matrix switcher with four HDMI inputs and two HDMI outputs. It allows up to four Ultra HD/4K sources to be independently routed to two Ultra HD/4K displays. It supports digital optical audio de-embedding from two outputs and analog audio de-embedding from output1. The matrix also supports ARC function on output2, the digital audio output can select ARC audio through switching the DIP slider. Each output port supports scaling from 4K to 1080P independently.

The matrix supports IR, web UI and API commands control, EDID management via RS232 interface, it also supports automatic/manual CEC control to TURN ON/OFF the connected display by input signal status detection.

Features

- Routes four HDMI sources to two 4K HDR Ultra HD displays
- HDCP 2.2 compliant
- Supports up to 4K@60Hz, 4:4:4 8bit
- Each output supports scaling from 4K to 1080P independently
- Analog and digital audio de-embedded from output 1
- HDMI output 2 supports digital audiode-embedded or ARC
- Supports 12-bit Deep Color, 3D, Lip Sync and loss-less HD audio formats pass through
- Rich control options, include RS-232, IR, LAN and push button controls

Note: If the input source is active, whether display device is connected or not, the audio de-embedding port will output normally

Specifications

Technical	
Input/Output Port	4 x HDMI IN, 2 x HDMI OUT, 1 x RS-232, 2 x OPTICAL (Digital), 1 x AUDIO OUT (Analog), 1 x ETHERNET, 1 x DC 5V IN
Input/Output Signal Type	HDMI with 4K@60Hz 4:4:4, HDR 10, HLG & Dolby Vision, HDCP 2.2

Input/Output Resolution Supported	<p>VESA: 800x6008, 1024x7688, 1280x7688, 1280x8008, 1280x9608, 1280x10248, 1360x7688, 1366x7688, 1440x9008, 1600x9008, 1600x12008, 1680x10508, 1920x12008</p> <p>SMPTE: 720x576P6, 1280x720P6,7,8, 1920x1080P2,5,6,7,8, 3840x21602,3,5,6,8, 4096x21602,3,5,6,8 2 = at 24 Hz, 3 = at 25 Hz, 5 = at 30 Hz, 6 = at 50 Hz, 7 = at 59.94 Hz, 8 = 60 Hz</p>
Audio Format	<ul style="list-style-type: none"> • HDMI IN/OUT: Fully supports audio formats in HDMI 2.0 specification, including PCM 2.0/5.1/7.1, Dolby True HD, Dolby Atmos, DTS-HD Master Audio and DTS:X • AUDIO OUT: Only support PCM 2.0; • SPDIF: Support PCM 2.0/5.1, Dolby digital and DTS up to 5.1 Channel.
Maximum Data Rate	18Gbps
Control Method	Front Panel Buttons, LAN control (Web UI & Telnet); RS232, IR, CEC

General	
Operating Temperature	0°C to 45°C (32°F to 113°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Humidity	10% to 90%, non-condensing
ESD Protection	Human-body Model: ±8kV (Air-gap discharge)/ ±4kV (Contact discharge)
Power Supply	DC 5V 1A
Power Consumption (Max)	3.3W
Device Dimension (W x H x D)	246mm x 22mm x 100.2mm/ 9.69" x 0.87" x 3.94"
Product Weight	0.62kg/1.37lb

Transmission Distance

Cable Type	Range	Supported Video
HDMI	Input: 15m/50ft Output: 10m/33ft	1080P@60Hz 24bpp
	Input/Output: 10m/33ft	4K@30Hz 4:4:4 24bpp 4K@60Hz 4:2:0 24bpp
	Input/Output: 5m/16ft	4K@60Hz 4:4:4 24bpp



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