

AVG-4KS88-808AO

8x8 HDMI Matrix with Analog and Digital Audio Outputs



This AVönic product is an 8x8 HDMI Matrix with 4K@60 4:4:4 8bit, HDR10, HLG & Dolby Vision and HDCP 2.2 compatibility. It allows eight sources to be switched to any of the eight displays simultaneously. The matrix also provides analog and digital audio output ports, which can be set to output de-embedding audio or ARC audio from the associated HDMI output. It also supports 4K to 1080P down scaler for each output when it is connected to 1080P TV.

It can be controlled by front panel buttons, IR, RS232 and LAN control with Telnet API and Web UI. As a compact 1U stand-alone 8x8 HDMI Matrix, it offers the convenience of future-ready Ultra HD A/V switching and distribution solution.

Features

- Supports HDMI 2.0 with 4K@60Hz 4:4:4 8bit and HDCP 2.2 compatible
- Supports 4K HDR, HLG & Dolby Vision
- The analog and digital audio output ports have two operation modes:
- Supports de-embedding audio from the associated HDMI output;
- Supports ARC audio from the associated HDMI output (in this case, the HDMI output must connect to TV's HDMI ARC port)
- Built-in 4K-1080P down scaler for each HDMI Output, the matrix can downscale 4K@60Hz 444 to 1080P@60 444 automatically when the matrix is connected to 1080P display
- Supports front panel buttons, IR, RS232 and LAN (Telnet API & Web UI)
- control options
- Supports firmware upgrade through web UI

Specifications

Technical	
Input/Output Port	8 x HDMI IN, 8 x HDMI OUT, 1 x LAN, 1 x RS232, 8 x AUDIO OUT (S/PDIF digital audio out and L/R analog audio out), 1 x AC IN
Input/Output Signal Type	HDMI with 4K@60Hz 4:4:4, HDR 10, HLG & Dolby Vision, HDCP 2.2

	VESA:
	800x6008, 1024x7688, 1280x7688, 1280x8008,
	1280x9608, 1280x10248, 1360x7688,
	1366x7688, 1440x9008, 1600x9008,
Input/Output Resolution	1600x12008, 1680x10508, 1920x12008
Supported	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
Audio Format	HDMI IN/OUT: Fully supports audio formats in HDMI 2.0 specification, including PCM 2.0/5.1/7.1, Dolby TrueHD, Dolby Atmos, DTS-HD Master Audio and DTS:X; AUDIO OUT: Only support PCM 2.0; S/PDIF OUT: Support PCM, Dolby and DTS up to 5.1 Channel.
Maximum Data Rate	18Gbps

Technical

Control Method	Front panel buttons, IR, RS232, LAN (Telnet &WEB UI)
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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	AC 100-240V 50/60Hz
Power Consumption (Max)	33.6W
Device Dimension (W x H x D)	440mm x 43.5mm x 300mm/ 17.3" x 1.71" x 11.81" (Without mounting brackets)
Product Weight	3.8kg/8.38lbs
Rack Space Required	1U


Transmission Distance

Cable Type	Range	Supported Video
HDMI	Input/Output: 15m/49ft	1080P@60Hz 24bpp
	Input/Output: 10m/33ft	4K@60Hz 4:2:0 24bpp
	Input/Output: 5m/16ft	4K@60Hz 4:4:4 24bpp



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