

## AVG-PSP18-108-4K

### 1 x 8 HDMI 2.0 Splitter with Audio De-embedding and Control



This AVönic product is a 1 to 8 splitter that supports HDMI 2.0b and HDCP 2.2 standards. It also supports distributing one 4K signal to eight different displays simultaneously. Each output of the splitter supports independent down-scaler function (from 4K to 1080P displays), which can be set to on/off individually through 8-pin DIP switch. It also features multiple functions such as S/PDIF and analog audio de-embedding, EDID management (through 4-pin DIP switch), API control and CEC function.

## Features

- AVon-Link technology simplifies audio & video routing and enhances system flexibility and ease of use.
- 1 HDMI input and 8 HDMI outputs.
- Supports transmitting 4K@60Hz 4:4:4 8bit or 4K@60Hz 4:2:2 12bit signal.
- Compatible with latest HDR formats including HLG, HDR10, HDR10+ and Dolby Vision.
- 4 pins DIP Switch on front panel allows users to use a variety of EDID processing methods, including copy mode, fixed mode and customized mode.
- Supports S/PDIF and analog audio de-embedding from HDMI input, and can be connected to amplifiers or other audio DSP devices.
- Each HDMI output supports 4K to 1080P down-scaling to support mixed applications of 4K and 1080P display systems. And the down-scaler function of each output can be set to on/off independently through 8 pins DIP switch on front panel.
- Supports API control through RS232 port.
- Supports CEC function to turn on/off the connected displays.
- Compact structure design, small size, and can be installed in the rack through the provided mounting brackets.

## Specifications

Technical	
Input/output ports	1 x HDMI IN, 8 x HDMI OUT, 1 x S/PDIF OUT (TOSLINK connector), 1 x AUDIO OUT (3-pin, 3.5mm phoenix connector), 1 x RS232 (3-pin, 3.5mm phoenix connector), 1 x DC 12V IN
Input/Output signal type	HDMI 2.0 up to 4K@60Hz 4:4:4 8-bit or 4K@60Hz 4:2:2 12-bit and HDCP 2.2

HDR	Supports all HDR formats, including HLG, HDR10, HDR10+ and Dolby Vision
Input/Output Resolution Supported	<p><b>VESA:</b> 800 x 6008, 1024 x 7688, 1280 x 7688, 1280 x 8008, 1280 x 9608, 1280 x 10248, 1360 x 7688, 1366 x 7688, 1440 x 9008, 1600 x 9008, 1600 x 12008, 1680 x 10508, 1920 x 12008, 2048 x 11528, 3840 x 21602,3,5,6,8, 4096 x 21602,3,5,6,8</p> <p><b>SMPTE:</b> 1280 x 720P6,7,8, 1920 x 1080P2,3,5,6,7,8,9 1 = at 23.98 Hz, 2 = at 24 Hz, 3 = at 25 Hz, 4 = at 29.97 Hz, 5 = at 30 Hz, 6 = at 50 Hz, 7 = at 59.94 Hz, 8 = at 60 Hz, 9 = at 120 Hz</p>
Maximum Data Rate	18 Gbps
Audio Format	<p><b>HDMI In/Out:</b> Fully supports audio formats in HDMI 2.0 specification, including PCM, Dolby TrueHD, Dolby Atmos, DTS-HD Master Audio, DTS:X</p> <p><b>SP/DIF Out:</b> PCM 2.0, Dolby Digital and DTS 5.1</p> <p><b>AUDIO Out:</b> Stereo</p>
Control	API Commands, DIP Switch, Front Panel Buttons

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)

General	
Humidity	10% to 90%, non-condensing
ESD Protection	Human-body Model: ±8kV (Air-gap discharge)/ ±4kV (Contact discharge)

Power Supply	DC 12V 1A
Power Consumption (Max)	6.73W
Device Dimension (W x H x D)	270mm x 21mm x 120mm/8.66" x 0.83" x 4.72"
Product Weight	0.83kg/1.83lbs

## Transmission Distance


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



# Contact


## Head Office


 Rose Gate Common, Livermore, CA-94551

 +1 (470) 301-0555

 [Avonicgroup.com](https://www.avonicgroup.com)

## Branch Office

 Curtis House, 34 Third Avenue, Brighton  
& Hove, Hove BN3 2PD, UK

 Strada Vasile Conta 6,  
Bucureşti, 020953, Romania

 Jumeirah Lake Towers, Dubai, UAE