

AVG-PSP14-104-8KAD

HDMI2.1 Splitter 1x4 with Audio Extraction



This AVönic product is an HDMI2.1 1x4 splitter. It supports transmitting and splitting video with resolutions up to 8K@60Hz 4:2:0 12bit and 4K@120Hz 4:4:4 12bit, or bypassing DSC compressed video up to 10K@120Hz. It also supports HDCP 2.3 and backward compatible. There's a built-in 8K downscaler mirrored to HDMI OUT3 and HDMI OUT4 ports, it supports 8K-to-1080P downscaling on these two ports. It features a L/R analog audio port for extracting audio from HDMI input. It also supports EDID management through a four-pin DIP switch and firmware upgrade through micro-USB port on front panel.

Features

- AVon-Link technology simplifies audio & video routing and enhances system flexibility and ease of use.
- 1 x 4 splitter, one HDMI input to four HDMI outputs.
- Supports transmitting and splitting video up to 8K@60Hz 4:2:0 12bit and 4K@120Hz 4:4:4 12bit, or bypassing DSC compressed video up to 10K@120Hz.
- HDCP 2.3 and backward compatible.
- Supports total bandwidth up to 48Gbps in FRL mode or 18Gbps in TMDS mode.
- FRL to TMDS and TMDS to FRL mode conversion.
- HDMI2.1 protocols supported, including VRR and ALLM etc.
- Supports DSC 1.2a pass-through.
- EDID management, including EDID presets and EDID copy.
- Adaptive video processing built-in:
- Built-in 8K-to-1080P downscaler on HDMI output3 & HDMI output4.
- The 8K downscaler supports HDR conversion, to adapt HDR (including HDR 10) to SDR, and playback on SDR displays.
- De-embed HDMI input audio and convert it to analog L/R output.
- Supports firmware upgrade.

Specifications

Technical	
Input/Output Ports	1 x HDMI IN, 4 x HDMI OUT, 1 x L/R OUT, 1 x FW (Micro USB), 1 x DC 12V
Input/Output Signal Type	HDMI, uncompressed video up to 8K@60Hz 4:2:0 12bit and 4K@120Hz 4:4:4 12bit, compressed video up to 10K@120Hz, HDCP 2.3

Input/Output Resolution Supported	<p>VESA: 800 x 6006, 1024 x 7686, 1280 x 7686, 1280 x 8006, 1280 x 9606, 1280 x 10246, 1360 x 7686, 1366 x 7686, 1440 x 9006, 1600 x 9006, 1600 x 12006, 1680 x 10506, 1920 x 12006, 2048 x 11526</p> <p>HDTV resolutions: 1280 x 720P5,6,7,8, 1920 x 1080P5,6,7,8, 3840 x 2160P1,2,3,4,5,6,7,8, 4096 x 2160P1,2,3,4,5,6,7,8, 7680 x 4320P1,2,3,4,5,6 1 = at 24 (23.98) Hz, 2 = at 25 Hz, 3 = at 30 (29.97) Hz, 4 = at 48 Hz, 5 = at 50 Hz, 6 = 60 (59.94) Hz, 7 = at 100Hz, 8 = at 120Hz Note: The device can transmit signals with resolutions up to 10K@120Hz in DSC mode.</p>
Maximum Data Rate	<p>FRL Mode: 48Gbps TMDS Mode: 18Gbps</p>
Audio Format	<p>HDMI IN/OUT: up to PCM 7.1 192KHz, Dolby</p>

Technical

Supported	<p>Digital Plus and Dolby True-HD up to 192KHz, Dolby Atmos and DTS:X L/R OUT: PCM 2.0</p>
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General

Operating Temperature	<p>0 to + 45°C (32 to + 113 °F)</p>
Storage Temperature	<p>-20 to +70°C (-4 to +158 °F)</p>
Humidity	<p>10% to 90%, non-condensing</p>
ESD Protection	<p>Human Body Model: ±8kV (air-gap discharge)/ ±4kV (contact discharge)</p>
Power Supply	<p>DC 12V 1A</p>

Power Consumption (Max)	2.6W
Product Dimensions (W x H x D)	180mm x 18mm x 90.2mm /7.09" x 0.71" x 3.55"
Product Weight	0.45kg/0.99lb

Transmission Distance

Cable Type	Range	Supported Video
HDMI 2.0	Input/Output: 10m/33ft	4K@30Hz
	Input/Output: 5m/16ft	4K@60Hz
HDMI 2.1	Input: 2m/7ft Output: 3m/10ft	8K@60Hz 4:2:0 12bit



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