

AVG-PSP12-102-8KAD

1 x 2 HDMI 2.1 splitter with downscaler and audio de-embedding



This AVönic product is a 1 x 2 HDMI 2.1 splitter. It supports resolutions up to 8K@60 and 4K@120Hz 10bit in FRL mode, and 10K@120Hz 4:2:0 12bit in DSC mode. The splitter is latest HDCP 2.3 compliant. It also features EDID management and a simple 8K-to-1080p downscaler, both functions can be set through front panel DIP switch.

Features

- AVon-Link technology simplifies audio & video routing and enhances system flexibility and ease of use.
- One HDMI 2.1 input and two HDMI 2.1 outputs;
- Supports resolutions up to 8K@60 4:2:0 and 4K@120 10bit in FRL mode, and up to 10K@120Hz 4:2:0 12bit in DSC mode, with HDCP 2.3 compatible;
- Supports up to 40Gbps FRL and 18Gbps TMDS;
- FRL to TMDS and TMDS to FRL mode conversion;
- HDMI 2.1 protocol supported, including VRR, FVA, ALLM etc.;
- HDR pass-through, including dynamic HDR metadata, i.e., HDR10+ and Dolby Vision;
- DSC 1.2a pass-through;
- EDID management through DIP switch, including EDID presets and EDID copy;
- Supports HDMI audio de-embedding from SPDIF port, up to 5.1CH multi-channel;
- Supports HDMI bypass and 8K-to-1080p simple downscaler mode on HDMI output 2;
- Supports firmware upgrade through Micro USB port on front panel;
- Supports providing 5V 500mA HDMI power supply via two HDMI outputs.

Specifications

Technical	
Input/output ports	1 x HDMI IN, 2 x HDMI OUT, 1 x S/PDIF OUT, 1 x FW (Micro USB), 1 x DC 12V IN
Input/Output signal type	Up to 8K@60Hz 4:2:0 10bit in FRL mode and up to 10K@120Hz 4:2:0 12bit in DSC mode, HDCP 2.3
Input/Output Resolution Supported	VESA: 800 x 600, 1024 x 768, 1280 x 768, 1280 x 800, 1280 x 960, 1280 x 1024, 1360 x 768, 1366 x 768, 1440 x 900, 1600 x 900, 1600 x 1200, 1680 x 1050, 1920 x 1200, 2048 x 1152

Input/Output Resolution Supported	<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</p> <p>Note: The device can transmit signals with resolutions up to 10K@120Hz 4:2:0 12bit in DSC mode.</p>
Maximum Data Rate	<p>FRL Mode: 40Gbps TMD5 Mode: 18Gbps</p>
Audio Format	<p>HDMI In/Out: up to PCM 7.1 192KHz, Dolby Digital Plus and Dolby True-HD up to 192KHz, Dolby Atmos and DTS:X S/PDIF Out: up to PCM 2CH 192KHz, Dolby Digital, Dolby Digital Plus, and DTS 5.1CH</p>

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)

General	
Power Supply	DC 12V 1A
Power Consumption (Max)	3.5W
Device Dimension (W x H x D)	140mm x 18mm x 80.2mm/5.51" x 0.71" x 3.16"
Product Weight	0.25kg/0.55lb

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/Output: 5m/16ft	8K@60 4:2:0 10bit



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