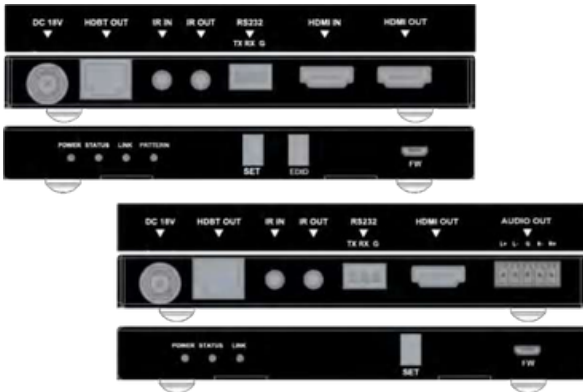


AVG-PEX70MPOC-4K

4K@60Hz 70m HDBaseT Extender with Loop Out



This AVönic product is a 4K@60Hz 4:4:4 HDBaseT extender using DSC compression for superior video quality. It supports HDMI 2.0 and HDCP 2.3 standards, ensuring wide compatibility. The extender transmits 4K@60Hz signals up to 70m over a single Cat 6A/7 cable. The transmitter includes two DIP switches for RS232 functions (pass-through and firmware upgrade), test pattern control, and EDID management. The receiver includes one DIP switch for RS232 functions (pass-through and firmware upgrade). Additional features include HDMI loop-out on the transmitter, audio de-embedding on the receiver, bi-directional IR pass-through, and bi-directional PoC for flexible power supply.

Features

- AVon-Link technology simplifies audio & video routing and enhances system flexibility and ease of use.
- Supports resolutions up to 4K@60Hz 4:4:4 using DSC compression technology for superior image quality.
- HDCP 2.3 compatibility.
- Supports transmitting 4K signal up to 70m/230ft via a single Cat 6A/7 cable.
- Supports HDMI loop-out.
- Supports EDID management via the DIP switch on transmitter side.
- Supports test pattern function, and can be enable/disable via the DIP switch on transmitter side.
- Supports bi-directional RS232 pass-through.
- Supports de-embed audio output on receiver side.
- Supports bi-direction IR Pass-through.
- Support bi-direction PoC, one power source is needed to be connected to the transmitter or receiver to power both units.
- Supports firmware upgrade for easy maintenance.

Specifications

Technical

DTS 5.1, DTS-HD Master Audio and DTS:X.
AUDIO OUT: PCM 2.0

Technical	
Input / Output Signal Type	HDMI 2.0 with 4K@60Hz 4:4:4, HDCP 2.3
Input / Output Resolution	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, 1080P7,8,9, 2048 x 11526, 2560 x 14405,6, 2560x16006, 3440 x 14406, 3840x10806 CTA: 1280x720P5,6,7,8,9, 1920x1080P1,2,3,5,6, 3840x2160P1,2,5,6, 4096x2160P5,6 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 = 75Hz, 8 = 100Hz, 9 = 120Hz
Maximum Data Rate	18Gbps
Audio Format Supported	HDMI IN/OUT: Up to 7.1ch, including PCM 2.0/5.1/7.1ch, Dolby Digital, Dolby Digital Plus, Dolby TrueHD, Dolby Atmos

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	18V/1A
Power Consumption (Max)	10.98W
Device Dimension (W x H x D)	Transmitter/Receiver: 136.4mm x 15.2mm x 74.2mm / 5.37" x 0.60" x 2.92"
Product Weight	Transmitter / Receiver: 0.23kg / 0.51lb

Transmission Distance

Note: A T568B straight-through Category cable is recommended.

Cable Type	Range	Supported Video
Cat 5e/6	60m/197ft	1080P@60Hz 4:4:4 4K@30Hz 4:4:4 4K@60Hz 4:4:4
Cat 6A/7	70m/230ft	
HDMI	Input / Output: 15m / 49ft	1080P@60Hz 4K@30Hz 4:4:4
	Input / Output: 10m / 33ft	4K@60Hz 4:4:4



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