

## AVG-PEX40MPOC-8K

### 8K@30Hz HDMI over HDBaseT Extender



This AVönic product is a cost-effective, slim transmitter and receiver kit with HDCP 2.3 compatibility. It supports resolutions up to 8K@60Hz 4:2:0, 8K@30Hz 4:4:4, and 4K@120Hz, allowing 8K and 4K video signals to be extended up to 40m/131ft over a Cat 6a/7 cable.

## Features

- AVon-Link technology simplifies audio & video routing and enhances system flexibility and ease of use.
- Supports HDMI 2.1 with resolutions up to 8K@60Hz 4:2:0, 8K@30Hz 4:4:4 and 4K@120Hz.
- HDCP 2.3 compliant.
- Supports HDR10.
- Supports bidirectional PoC, allowing a single power adapter at the transmitter or receiver to power both units.
- Transmits 8K & 4K video up to 35m/115ft and 1080P video up to 60m/197ft over a single Cat 5e/6 cable.
- Transmits 8K & 4K video up to 40m/131ft and 1080P video up to 70m/230ft over a single Cat 6a/7 cable.
- Provides one de-embedding audio output.
- Includes a DIP switch on each for RS-232 mode, HDCP and EDID configurations (HDCP & EDID apply to the transmitter only).
- Supports bi-directional IR and RS-232 passthrough.

## Specifications

Technical	
Input/Output Signal Type	HDMI 2.1, HDCP 2.3
	<b>VESA:</b> 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, 2560 x 14406, 5120 x 14406,
	5120 x 21606

Input/Output Resolutions Supported	<p><b>HDTV:</b>            1280 x 720P5,6,7,8, 1920 x 1080P5,6,7,8,9,10,11,            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, 9 = at 144Hz, 10 = at 165Hz, 11 = at 240Hz</p> <p><b>Note:</b> 7680 x 4320P@48Hz/50Hz/60Hz supports only</p>
Maximum Data Rate	HDMI: 40Gbps
Audio Formats	<b>HDMI IN/OUT:</b> Supports multichannel audio up to PCM 7.1, including PCM 2.0/5.1/7.1ch, Dolby Digital, Dolby Digital Plus, Dolby
Supported	TrueHD, Dolby Atmos, DTS 5.1, DTS-HD Master Audio and DTS:X AUDIO OUT: PCM 2.0ch

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	DC 12V 2A

General	
Power Consumption (Max)	11.4W per pair (via PoC)
Device Dimension (W × H × D)	5.51" × 0.60" × 3.55" (140mm × 15.3mm × 90.2mm) per unit
Product Weight	0.27kg/0.59lb per unit

Product Weight	0.27kg/0.59lb per unit
----------------	------------------------

## Transmission Distance

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

Cable Type	Range	Supported Video
Cat 5e/6	60m/197ft	1080P@60Hz
	35m/115ft	4K@60Hz, 8K@60Hz 4:2:0
Cat 6a/7	70m/230ft	1080P@60Hz
	40m/131ft	4K@60Hz, 8K@60Hz 4:2:0
HDMI	Input/Output: 10m/33ft	4K@30Hz, 1080P@60Hz
	Input: 10m/33ft Output: 5m/16ft	4K@60Hz
	Input/Output: 3m/10ft	8K@60Hz 4:2:0



# 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