

## AVG-PEX100MPOC-4K

### 4K60 444 HDR HDBaseT Extender



This Avönic Extender is a slim HDBT transmitter and receiver set with HDCP 2.2 compatibility. It supports resolutions up to 4K@60Hz 4:4:4 8-bit, transmitting 4K and 1080P signals up to 100m (328ft) over a single Cat 6a/7 cable. It also features bi-directional PoC, IR and RS-232 passthrough.

## 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 8-bit (with CSC Compression) and HDCP 2.2.
- Supports HDR (High Dynamic Range), including HDR10 and Dolby Vision.
- Transmits 4K@60Hz 4:4:4 8-bit and 1080P up to 100m via HDBT through a Cat 6a/7 cable.
- Transmits 4K@60Hz 4:4:4 8-bit up to 70m and 1080P up to 100m via HDBT through a Cat 5e/6 cable.
- Features bi-directional PoC, allowing a single power adapter (either at the transmitter or receiver) to power both units.
- Supports bi-directional IR and RS232 passthrough.

## Specifications

Video	
Input/Output Signal Type	HDMI with 4K@60Hz 4:4:4, HDCP 2.2, HDR, 3D
Input/Output Resolutions Supported	Up to 4096x2160@60Hz, including 4K@60Hz / 4K@30Hz / 1080P / 1080i / 720P
Deep color	4K: 8/10/12-bit 1080P: up to 16-bit
Maximum Data Rate	18Gbps
Maximum Pixel Clock	600MHz

Audio	
Audio Formats Supported	Fully supports HDMI 2.0 audio formats, including PCM, Dolby TrueHD, Dolby Atmos, DTS-HD Master Audio, DTS:X
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: ±8 kV (Air-gap discharge)/ ±4 kV (Contact discharge)
Power Supply	DC 18V 1A
Power Consumption (Maximum)	13W (Pair, PoC)
Device Dimensions (W x H x D)	136.8 mm × 15.4 mm × 74.5 mm (5.39" x 0.61" x 2.93") each for TX/RX
Product Weight	0.24kg (0.53lb) each for TX/RX

## Transmission Distance

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

Cable Type	Range	Supported Video
HDMI	Input/Output: 15m/49ft	1080P@60Hz
	Input/Output:10m/33ft	4K@60Hz 4:2:0
	Input/Output: 5m/16ft	4K@60Hz 4:4:4
Cat 5e/6	100m/328ft	1080P@60Hz
	70m/230ft	4K@60Hz 4:4:4
Cat 6a/7	100m/328ft	4K@60Hz 4:4:4



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