

AVG-PEX70KVM-4K

4K@60Hz KVM Extender with PoC



This Avönic product is a low-cost slim transmitter and receiver kit with HDCP 2.3 compatibility. It supports resolutions up to 4K@60Hz 4:4:4 8bit, and transmits UHD video, USB signals up to 70m/230ft over a Cat 6 or above cable. It also supports bi-directional PoC.

Features

- AVon-Link technology simplifies audio & video routing and enhances system flexibility and ease of use.
- Supports video resolutions up to 4K@60Hz 4:4:4 8bit and HDCP 2.3.
- Transmits HDMI signals up to 70m/230ft via a Cat 6/6A/7 cable.
- Supports multichannel audio up to PCM 7.1, Dolby Atmos and DTS:X.
- Supports USB 1.1 KVM extension.
- Includes a 2-pin switch for EDID management.
- Supports bi-directional PoC, one power adapter at either the transmitter or receiver can power both units.
- Slim profile and easy installation.

Specifications

Video	
Input/Output Signal Type	HDMI 2.0, HDCP 2.3
Input/Output Resolutions	Supports VESA and SMPTE resolutions up to 4K@60Hz (4:4:4), including 3840x2160@60Hz, 4096x2160@50Hz, 4K@30Hz, 3840x1080@60Hz, 3440x1440@60Hz, 2560x1600@60Hz, 2560x1440@60Hz, 2560x1440@50Hz, 1080P@120Hz, 1080P@100Hz, 1080P@75Hz, 1080P@60Hz, 720P@60Hz
Maximum Data Rate	18Gbps
Maximum Pixel Clock	600MHz

Audio Formats Supported	Supports multichannel audio up to PCM 7.1, including PCM 2.0/5.1/7.1ch, Dolby Digital, Dolby Digital Plus, Dolby TrueHD, Dolby Atmos, DTS 5.1, DTS-HD Master Audio and DTS:X
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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 1A
Power Consumption (Maximum)	4.2W (per pair, via PoC)
Device Dimension (W x H x D)	65mm × 22mm × 95mm/ 2.56" x 0.87" x 3.74" each for TX/RX
Product Weight	0.17kg/0.37lb each for TX/RX

Transmission Distance


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

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



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