

# AVG-PEX40KVM-4K

## 4K@60Hz USB 2.0 KVM Extender



This AVönic product is a slim and cost-effective HDMI 2.0 extender kit with HDCP 2.3 compliance. It supports resolutions up to 4K@60Hz 4:4:4 and extends HDMI and USB 2.0 signals up to 40m (131ft) over a Cat 6/6A/7 cable or 35m (115ft) over a Cat 5e cable. The kit also supports bidirectional RS-232 passthrough, bidirectional PoC, and de-embedded analog audio output.

### Features

- AVon-Link technology simplifies audio & video routing and enhances system flexibility and ease of use.
- Supports HDMI 2.0 with resolutions up to 4K@60Hz 4:4:4.
- HDCP 2.3 compliant.
- Transmits signals up to 40m (131ft) over a single Cat 6/6A/7 cable and up to 35m (115ft) over a Cat 5e cable.
- Supports USB 2.0 extension.
- Supports bidirectional RS-232 passthrough.
- Provides de-embedded analog audio output.
- Supports bidirectional PoC, enabling a single power adapter at the transmitter or receiver to power both units.

### Specifications

Technical	
Input/Output Signal Type	HDMI 2.0, HDCP 2.3
	<b>CEA:</b> 4096 x 2160P1,2,3,4, 3840 x 2160P1,2,3,4,5, 1920 x 1080P1,2,3,4,5,6,7,8,9,10, 1280 x 720P4,5,6,7, 720 x 576P4,6, 720 x 480P5,7, 640 x 480P5

	<b>VESA:</b>
	5120 x 21603, 5120 x 14405, 3840 x 10805,6,7,
Input/Output Resolutions Supported	2560 x 14405, 2048 x 11525, 1920 x 12005, 1680 x 10505, 1600 x 12005, 1600 x 9005, 1440 x 9005, 1400 x 10505, 1366 x 7685,
	1360 x 7685, 1280 x 10245, 1280 x 9605,
	1280 x 8005, 1280 x 7685, 1024 x 7685,
	800 x 6005, 640 x 4805
	1 = at 24Hz, 2 = at 25Hz, 3 = at 30Hz, 4 = at 50Hz, 5 at 60Hz, 6 = at 100Hz, 7 = at 120Hz, 8 = at 144Hz, 9 = at 165Hz, 10 = at 240Hz
Maximum Data Rate	HDMI: 18Gbps   USB 2.0: 480Mbps
Audio Formats Supported	<b>HDMI IN/OUT:</b> Supports multichannel audio up to PCM 7.1, including PCM 2.0/5.1/7.1ch,

## Technical

Dolby Digital, Dolby Digital Plus, Dolby TrueHD, Dolby Atmos, DTS 5.1, DTS-HD Master Audio and DTS:X  
**AUDIO OUT:** PCM 2ch

## 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 20V 2A, PoC
Power Consumption (Max)	24.4W per pair (via PoC)
Device Dimension (W x H x D)	5.71" x 0.98" x 3.55" (145.0mm x 25mm x 90.2mm) per unit
Product Weight	0.35kg/0.77lb per unit

## Transmission Distance

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

Cable Type	Range	Supported Video
Cat 6/6A/7	40m/131ft	4K@60Hz 4:4:4
Cat 5e	35m/115ft	4K@60Hz 4:4:4
HDMI	Input/Output: 10m/33ft	4K@30Hz, 1080P@60Hz
	Input/ Output: 5m/16ft	4K@60Hz 4:4:4



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