

VEO-XPT24

4K HDBASET EXTENDER KIT 10.2 GBPS



PRODUCT OVERVIEW

VEO-XPT24 is a professional HDBaseT transmitter/receiver kit for HDMI extension up to 70 meters over category cable. It supports video signal at resolution up to 4K/UHD with embedded multi-channel audio formats like DTS-HD Master Audio and Dolby TrueHD. The extender kit includes bi-directional IR and RS-232 pass-through. VEO-XPT24 is the ideal solution for commercial point-to-point applications that require extension over greater distances than HDMI can support.

KEY FEATURES

- Complete extender kit, no configuration needed
- Full HD support: 1080p@60Hz
- 4K/UHD support: up to 4096x2160@30Hz (or 60Hz with YUV 4:2:0)
- 3D support
- Transmission distance up to 70 meters under 1080p and 40 meters under 4K
- Bi-directional IR and RS-232 pass-through
- Use single UTP/STP category cable (CAT-5E/6/7) to substitute HDMI cable to achieve long distance transmission
- POH (RX powered by TX)
- HDCP 2.2/1.4 compliant
- Integrated mounting ears

APPLICATIONS

- Retail shops
- Fitness Center
- Sports Bar
- Restaurants
- Hotels
- Residential applications

TECHNICAL DATA

Audio and Video performances

Supported Resolutions

4096x2160@24/25/30/50*/60Hz*,
 3840x2160@24/25/30/50*/60Hz*(UHD),
 2048x1080p,1080p@23.98/24/25/29.97/30/50/59.94/60Hz,
 1080i@50/59.94/60Hz,
 720p@50/59.94/60Hz,
 576p,576i, 480p, 480i

Vesa

2560x2048, 2560x1600, 2048x1536,
 1920x1200, 1680x1050, 1600x1200,
 1600x900, 1440x900, 1400x1050, 1366x768,
 1360x768, 1280x1024, 1280x800, 1280x768,
 1152x864, 1024x768, 800x600, 640x480

*4096x2160@50/60Hz & 3840x2160@50/60Hz supported @ chroma subsampling 4:2:0 8-bit only

Colorspace RGB, YCbCr

Chroma Subsampling 4:4:4, 4:2:2, 4:2:0

Color depth 8-bit, 10-bit, 12-bit, 16-bit only @1080p

Signal Bandwidth 10.2 Gbps

HDCP 2.2 Compliant

CEC Pass-through

Audio Formats PCM 2Ch, LPCM 5.1, LPCM 7.1, Dolby Digital, DTS 5.1, Dolby TrueHD, DTS-HD Master Audio

Bit rate up to 24-bit

Sample Rate 32 KHz, 44.1 KHz, 48 KHz, 88.2 KHz, 96 KHz, 176.4 KHz, 192 KHz

HDMI Distance up to 10 meters (33 ft) with Ecler VEO cables

Distance	CAT.5e/6 @ 4K	up to 35 meters / 115 feet
	CAT.6a/7 @ 4K	up to 40 meters / 130 feet
	CAT.5e/6 @ 1080p	up to 60 meters / 197 feet
	CAT.6a/7 @ 1080p	up to 70 meters / 230 feet

Operating Temperature -5 to +35°C (41 to +95 °F)

Humidity 5 to 90 % RH (no condensation)

Power Consumption 2.5W (TX), 5W (RX) Maximum

Power Supply AC 100V ~ 240V 50/60Hz Output: DC 12V---2A

All product characteristics are subject to variation due to production tolerances. NEEC AUDIO BARCELONA S.L. reserves the right to make changes or improvements in the design or manufacturing that may affect these product specifications.

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MISCELLANEOUS

Dimensions W x H x D 105mm x 25mm x 71mm / 4.13" x 0.98" x 2.79"

Weight 700g / 1,54 lbs (Pair)

MECHANICAL DIAGRAMS

