



HDMI Extender, 70m 4K@60Hz 4:4:4 w/ HDMI Loopout, IR, ARC and Audio Extraction

VE-HDBT-204 - Specifications

Description

This HDMI extender allows you to extend your display up to 70m away from your source device over Cat6/6A cables at a resolution of 4K@60Hz with audio extraction and HDMI loop out.

Features:

- HDMI2.0b and HDCP 2.2 compliant
- Support 18Gbps video bandwidth
- Support video resolution up to 4K2K@60Hz RGB/YCBCR 4:4:4
- Colour depth: 8/10/12bit
- The transmission distance can be extended up to 230ft / 70m via a single CAT6/6a cable
- Support HDR, HDR10, HDR10+, Dolby Vision, HLG
- Support bi-directional IR control signal pass-through
- EDID copy pass-through function between the source device and display device
- Support ARC and audio de-embedding, audio is output through the optical fiber port of the receiver
- Support bi-directional POC (Power over Cable) function
- IR Frequency 20K-60KHz
- Black Metal enclosure

Physical Characteristics

Color	Black
Housing	Metal Enclosure
Operating Temperature	0°C ~ 40°C
Storage Temperature	-20°C ~ 60°C
Relative Humidity	20 ~ 90% RH (non-condensing)
Dimensions	Tx/Rx : 90mm x 68mm x 18mm

Power

Power Consumption	3.36 W Max.
Power Supply	DC 12 Volt, 1Amp; Support bi-directional POC function





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Connector(s)

Transmitter	Input: 1 x HDMI IN (Type A, 19-pin female)		
	Output: 1 x HDMI OUT (RJ45),	1 x CAT OUT (RJ45)	
	Control: 1 x Service (Micro-USB Jack)	1 x IR IN (3.5mm Stereo Mini-Jack)	1 x IR OUT (3.5mm Stereo Mini-Jack)
Receiver	Input: 1 x CAT IN (RJ45)		
	Output: 1 x HDMI OUT (Type A, 19-pin female)	1 x TOSLINK	
	Control: 1 x Service (Micro-USB Jack)	1 x IR IN (3.5mm Stereo Mini-Jack)	1 x IR OUT (3.5mm Stereo Mini-Jack)

Performance

HDMI Compliant	HDMI 2.0b	
HDCP Compliant	HDCP 2.2	
Video Bandwidth	18Gbps	
Video Resolution	Up to 4KsK@60Hz RGB/YCBCR 4:4:4	
IR Level	5Vp-p	
IR Frequency	Wideband 20K-60KHz	
Transmission	4K2K@60Hz 4:4:4 - 70m	1080P - 70m (CAT6/6a cable)
Distance		
Color Space	RGB 4:4:4, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0	
Color Depth	8/10/12bit	
HDR	HDR, HDR10, HDR10+, Dolby Vision, HLG	
Audio Format	HDMI: LPCM 7.1CH, Dolby True HD, DTS-HD Master	
	Optical: Dolby 5.1, DTS 5.1, PCM 2.0	



Approvals

Power Adapter c(UL)us

Environmental

RoHS Yes

Certification(s)

CE, FCC Yes



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Packaging Information

Package Quantity	1	
Product Weight	Tx: 0.35 lbs	Rx: 0.34 lbs
Package Weight	1.44 lbs	

Contents

- Included in Package
- 1 - Transmitter
- 1 - Receiver
- 1 - IR Blaster Cable (1.5 meters)
- 1 - IR Wideband Receiver Cable (1.5 meters)
- 1 - DC12V/1A Locking Power Adapter
- 4 - Mounting Ears
- 8 - Machine Screws (KM3*4)
- 1 - Manual

Warranty Information

Warranty 1 Year Warranty

