

User Manual



PtP 4K 4K HDMI Extender



Product Code : 310073

Statement

Please read this user manual carefully before use. Pictures shown in this manual are for reference only. This manual is only for operation instruction, please contact the local distributor for maintenance assistance. We reserve the right to make changes to the product without notice. Please refer to your point of purchase for the latest details.

Safety Precaution

To ensure the best performance from the product, please read all instructions carefully before using the device. Save this manual for future reference.

- Follow basic safety precautions to reduce the risk of fire, electrical shock and injury.
- Do not dismantle the housing or modify the module.
- Using parts not meeting the products' specifications may cause damage, deterioration or malfunction.
- Do not expose the unit to rain, moisture or install this product near water.
- Install the device in a place with good ventilation.
- Do not twist or pull by force ends of the CAT5e/CAT6a cable. It can damage the product.
- Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.
- Unplug the power cord when left unused for a long period of time.
- Refer all servicing to qualified service personnel.

After-sales

Please contact your point of purchase for details of the warranty supplied.

Introduction

Thank you for choosing the PtP 4K extender kit which consists of a transmitter (Tx) and a receiver (Rx). You can extend a 4K@60Hz 4:4:4 HDMI signal to distance up to 131ft/40m and 1080P@60Hz up to 230ft/70m over a single CATx Ethernet cable. It supports bi-directional 24V Power over Cable (PoC), which simplifies the wiring to allow only a single AC power adapter to be used. It supports bi-directional IR pass-through extension, allowing control of local video source device. It also supports CEC pass-through. It uses a visually lossless video compression technology (VLC) to ensure HD lossless transmission of 4K@60Hz 4:4:4.

Features

- HDMI 2.0 standard and HDCP 2.2 compliant
- Supports video resolution up to 4Kx2K@60Hz 4:4:4
- Transmission distance is up to 131ft/40m for 4Kx2K, and 230ft/70m for 1080P
- Supports bi-directional IR pass-through for long-distance control
- Supports bi-directional 24V PoC

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- Supports CEC
- Visually Lossless Compression (VLC) technology

Products included

- 1x Transmitter (TX)
- 2x TX Mounting Ears with 2 Screws
- 4x TX Plastic Cushions
- 1x Power Adaptor (24V DC, 1.25A)
- 1x Receiver (RX)
- 2x RX Mounting Ears with 2 Screws
- 4x RX Plastic Cushions
- 1x User Manual

Transmitter Panel Description



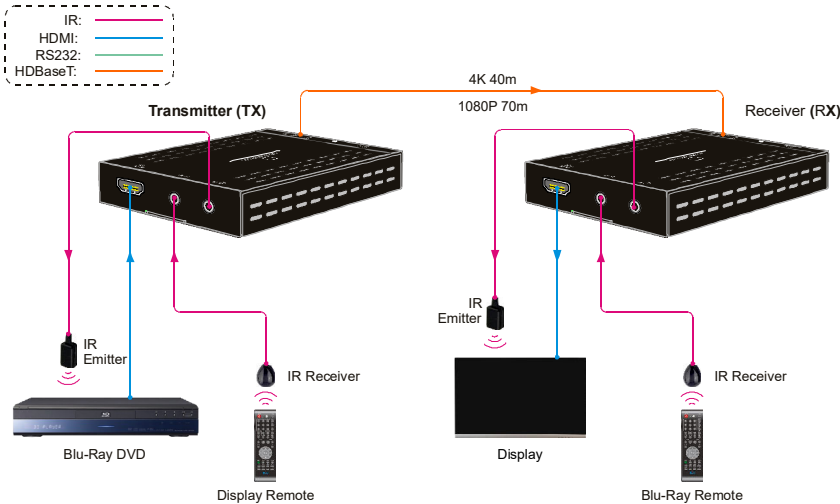
No.	Name	Description
①	HDMI In	Type-A HDMI port to connect the source device (e.g. Blu-ray DVD).
②	IR IN	3.5mm jack to connect an IR receiver (not included).
③	IR OUT	3.5mm jack to connect an IR emitter (not included).
④	HDBT Out	RJ45 connector for a CATx Ethernet cable to connect the transmitter and the receiver. The LINK LED illuminates when there is a valid HDBaseT™ link between the transmitter and the receiver. The HDCP LED illuminates when the video contains HDCP content.
⑤	Power LED	Illuminates red when power is applied.
⑥	DC 24V	DC barrel connector to connect the AC power adapter.

Receiver Panel Description



No.	Name	Description
①	HDMI Out	Type-A HDMI port to connect an HDMI display.
②	IR IN	3.5mm jack to connect an IR receiver (not included).
③	IR OUT	3.5mm jack to connect an IR emitter (not included).
④	HDBT In	RJ45 connector for a CATx Ethernet cable to connect the transmitter and the receiver. The LINK LED illuminates when there is a valid HDBaseT™ link between the transmitter and the receiver. The HDCP LED illuminates when the video contains HDCP content.
⑤	Power LED	Illuminates red when power is applied.
⑥	DC 24V	DC barrel connector to connect the AC power adapter.

System Diagram



Note: This picture is for reference only. The specific scheme is subject to equipment connected.

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Specification

Transmitter (Tx)	
Input	(1) HDMI
Input Connector	(1) Female type-A HDMI
Output	(1) HDBT
Output Connector	(1) RJ45
Control	(1) IR IN, (1) IR OUT
Control Connector	(2) 3.5mm mini jacks
Receiver (Rx)	
Input	(1) HDBT
Input Connector	(1) RJ45
Output	(1) HDMI
Output Connector	(1) Female type-A HDMI
Control	(1) IR IN, (1) IR OUT
Control Connector	(2) 3.5mm mini jacks
General	
Video Resolution	Up to 4Kx2K@60Hz 4:4:4
Transmission Mode	HDBaseT
Transmission Distance	1080P@60Hz ≤ 230ft/70m, 4K@60Hz ≤ 131ft/40m
HDMI Version	2.0
HDCP Version	2.2
Bandwidth	18Gbps
Power Consumption	9.5W (Max)
Operating Temperature	-10°C ~ +55°C
Storage Temperature	-25°C ~ +70°C
Relative Humidity	10%-90%
Power Supply	Input Power: 24V DC 1.25A or Power over Cable (PoC), AC Adaptor Input Power: 100~240VAC, 50/60Hz
Dimension (W*H*D)	74mm x 18mm x 120mm
Net Weight (g)	Tx/Rx:235g