

HDMI POE Extender over IP

USER MANUAL

1. Description

The H.264 HDMI extender adopts standard Ethernet TCP/IP protocol, transmit HD video and audio over single cat6 cable, and support One-to-many applications with POE switches. The equipment has excellent image processing and transmission capacity, makes signal transmission more smooth and steady, is a kind of economic and efficient way of HDMI signal extension.

2. Features

- Transmits HDMI video and audio signals up to 200M over a single CAT6 cable;
- Support video resolution max up to 1920*1080p@60Hz;
- Support over TCP/IP protocol, One-to-many applications with POE switches;
- Compliance with HDMI 1.3 and HDCP 1.2 standard;
- Support for external IR expansion;
- Support for POE power supply;
- High compatibility, can auto-match source and display device;
- Built-in automatic adjustment system, make the image smooth, clear and stable;
- Built-in ESD protection system;
- Simple to install, plug and play;

3. Package list

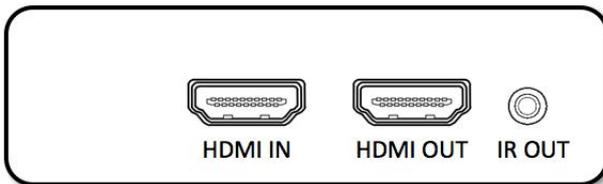
- HDMI transmitter 1 pcs
- HDMI receiver 1 pcs
- POE switches(optional) 1 pcs
- IR transmitter/receive cable 1 pcs
- User manual 1 pcs

4. Specifications

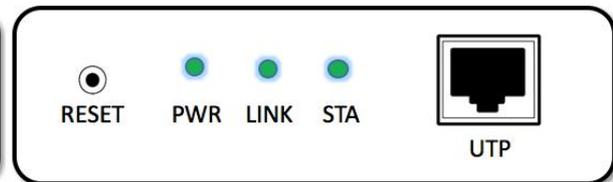
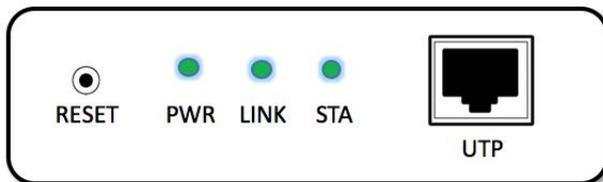
	Parameter	Description
Video	Standards	HDMI 1.3; HDCP 1.2
	Compressed format	H.264
	Maximum pixel clock	165MHz
	Maximum data rate	6.75Gbps
	Resolution	Max: 1920X1080p@60Hz
	Connector	HDMI-A
	Impedance	100Ω
IR	Interface	3.5mm earphone seat
	Signal direction	Unidirectional
	Signal type	Digital
	IR frequency	20-60kHz
Ethernet	Interface	RJ45
	Transmission distance	CAT6---200M
Other	Power supply	POE power supply 5V IN
	Power dissipation	MAX 5W
	Temperature	Operating: -5℃ ~ +70℃
	Humidity	Operating: 5% ~ 90%
	Dimension	95.25*71.2*26.6mm
	The warranty	1 year free warranty

5. Panel

Transmitter:



Receiver:



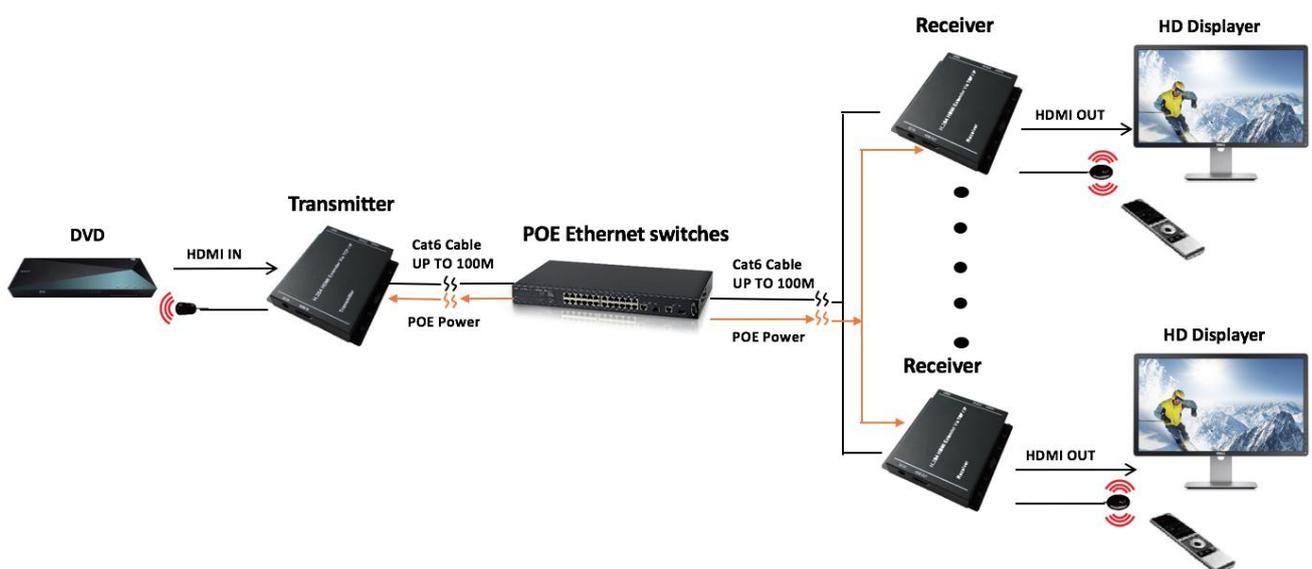
Port name	Description
HDMI IN/HDMI OUT	HDMI signal input/output
UTP	Ethernet RJ45 interface
IR IN / IR OUT	IR input / IR output

RESET	Press for 5 second to restore system setting to factory default
LED indicator	Description
PWR	Power indicator, ON: power is normal
LINK	Link status indicator, ON: link is normal
STATUS	Video signal connection indicator, Flashing slowly: system run normally, Flashing quickly: system communicate

6. Installation

- 1、 Will the HDMI source access HDMI extender transmitter;
- 2、 Connect the HDMI extender the receiver to display devices (such as high-definition TV, splicing screen, etc.);
- 3、 Using CAT6 cables connects the transmitter and the receiver to the POE switches;
- 4、 The system is normally when the PWR and LINK indicator are on and the STA indicator is flashing;

7. Diagram



8. Warranty

Thank you very much for using our products.

The warranty time is one year and life-long maintenance. During this period, any belongs to under normal usage circumstance cause because of the product quality's problem of breakdown, our company will be responsible for giving free maintain.

Free maintain won't be given under the following circumstance:

- The malfunction and damaged caused by incorrect use, the unauthorized repairs and alteration;
- The damage caused by fire, flood, abnormal voltage, other natural disasters and secondary product damage;
- The product malfunction caused by not in accordance with the user manual operation;
- The malfunction and damaged caused by the other barriers(man-made factors or external device);