PWAY

HDMI UTP Extender
HDMI Extender

Model：PW-DT237P-IR

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 150m over a single CAT6 cable;
- Support video resolution up to 1920*1080P@60Hz;
- Supports over TCP/IP protocol, One-to-many applications with POE switches;
- Supports for external IR expansion;
- Support over TCP/IP；
- Compliance with HDMI 1.3 and HDCP 1.2 standard；
- High compatibility, can auto-match source and display device；
- Built-in automatic adjustment system, make the image smooth, clear and stable；
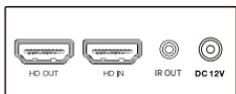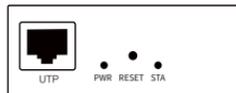- Simple to install, plug and play.

3.Package list

① HDMI transmitter	1 pcs
② HDMI receiver	1 pcs
③ Power adapter	2 pcs
④ IR transmitter/receive cable	1 pcs
⑤ User manual	1 pcs

4.Specifications

Parameter		Description
Video	Standards	HDMI 1.3;HDCP1.3
	Compressed format	H.264
	Maximum pixel clock	165MHz
	Maximum data rate	6.75Gbps
	Resolution	1920X1080P@60Hz
	Connector	HDMI−A
	Impedance	100Ω
IR	Interface	3.5mm earphone seat
	Signal direction	Unidirectional
	Signal type	Digital
	IR frequency	20-60kHz
UTP	Interface	RJ45
	Transmission distance	CAT6---150m CAT5E---150m
Other	Power supply	The power adapter: DC 12V POE input voltage range:36~57V
	Power dissipation	MAX 3.3W
	Temperature	Operating: -5℃ ~ +70℃
	Humidity	Operating: 5% ~ 90%
	Dimension	94*71*26mm
	The warranty	1 year free warranty

5.Panel

Transmitter:

UTP   PWR RESET STA

HD OUT   HD IN   IR OUT   DC 12V

Receiver:

UTP   PWR RESET STA
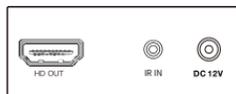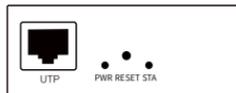
HD OUT   IR IN   DC 12V

Port name	Description
HD IN/HD OUT	HD signal input/output
UTP	RJ45 port connect cat5E/6
IR IN/IR OUT	IR input/IR output
RESET	System reset button, press 5 seconds
DC5-12V	Power adapter socket
LED indicator	**Description**
PWR	System power indicator
STA	Video signal indicator

6.Diagram

IR Cable

HDMI IN   HDMI OUT

RX ④

POE HDMI EXTENDER OVER IP

CAT6 Cable

UTP 150M

③   TX

POE HDMI EXTENDER OVER IP

HDMI OUT

⑤   IR Cable

⑥
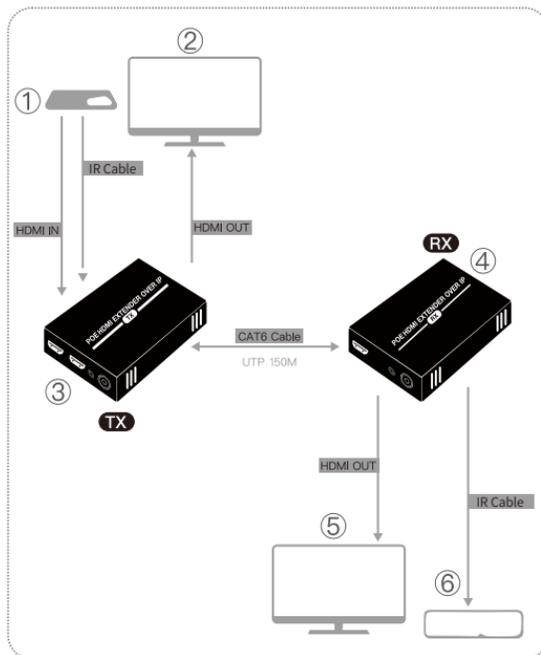
① DVD   ② monitor   ③ Transmitter   ④ receiving end

⑤ monitor   ⑥ remote control

7.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.

⚠ Safety instruction

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

If you need after–sales service, please contact us directly, and provide complete warranty card and purchase note.