

HDMI Extender over cat5e/6

Model:PW-HT202

USER MANUAL

■ Introduction

PW-HT202 is a HDMI extender while using CAT-5E/6 cable as transmission media. the transmission distance for 1080P reaches 40 meters. the IR system could control the sources from the sinks or control the sinks from sources.

PW-HT202 offers solutions for digital entertainment center, HDTV retail and show site, HDTV, STB, DVD and Projector factory, noise, space and security concerns, data center control, information distribution, conference room presentation, school and corporate training environments.

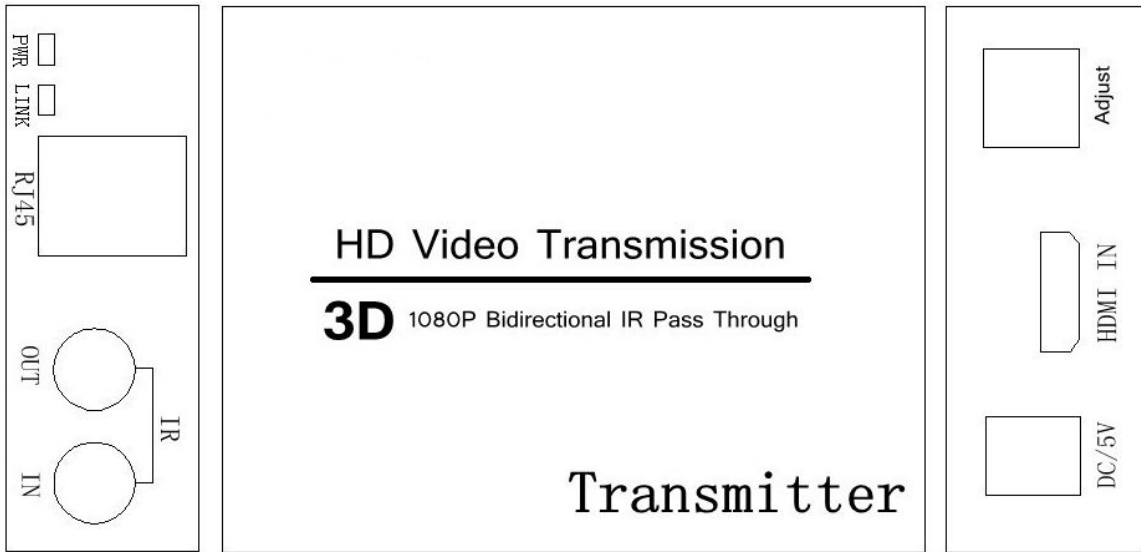
- One pair as a full functional module, no need for setting.
- Use single UTP LAN cable (CAT-5E/6) to substitute HDMI cable to achieve long distance transmission.
- UTP cable termination follows the standard of IEEE-568B.
- Transmission distance reaches up to 40 meters under the video format of 1080P.
- Auto-adjustment of feedback, equalization and amplify, the user does not need to care about the length of the cable.
- HDMI V1.3b supported.
- Each port supports HDMI or DVI inputs.
- HDCP compliant.
- With LED indicators to show the power and video signal status.
- With ESD protection inside.
- Mounting ears supplied.
- Transfer Infrared control signal together with the HDMI signal.
- This model could be cascaded.

■ Package Contents

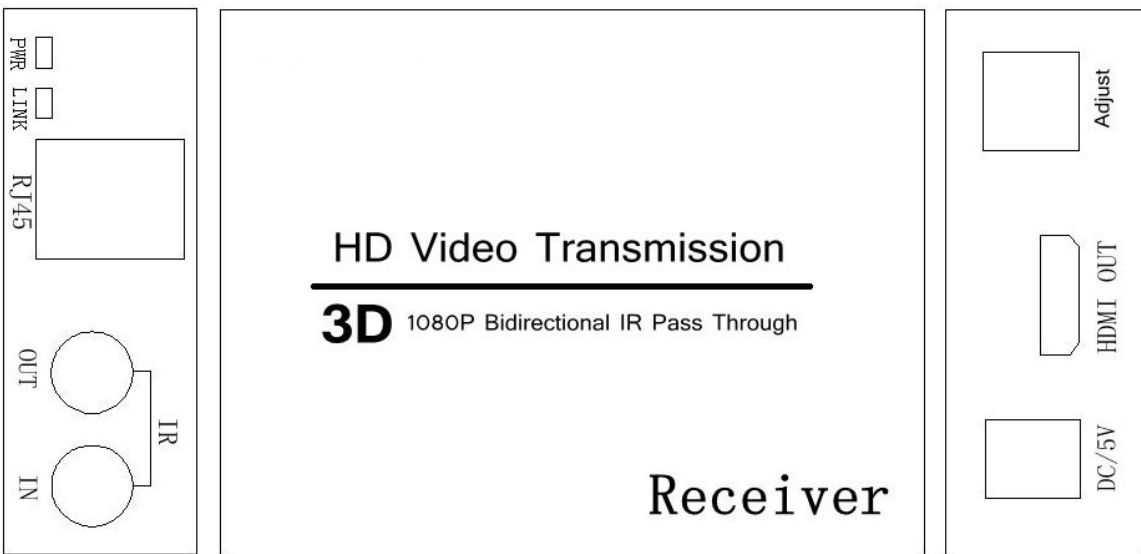
- ① Main unit NO.1. PW-HT202T.
- ② Main unit NO.2. PW-HT202R.
- ③ Mounting ears.
- ④ Operating Instructions. PW-HT202.
- ⑤ 2x 5VDC power supply. (One for PW-HT202T., one for PW-HT202R)
- ⑥ IR TX UNIT (IR emitter cable) for TX.
- ⑦ IR RX UNIT (IR receiver cable) for RX.

■ Panel Descriptions

PW-HT202T




PW-HT202R



	PW-HT202T	PW-HT202R
DC/5V	power input, 5VDC	power input, 5VDC
HDMI	HDMI input	HDMI output
Adjust	DIP switch	DIP switch
IR IN	connect receiver IR cable	connect transmitter IR cable
IR OUT	connect transmitter IR cable	connect receiver IR cable
RJ45	CAT-5E/6 output	CAT-5E/6 input
LINK	Status of power input, When this works well, the LED inside lights.	
PWR	Status of power input. When power input on, the LED inside lights.	


■ Specifications

Operating Temperature Range	-5 to +35°C (-41 to +95 °F)
Operating Humidity Range	5 to 90 % RH (no condensation)
Input Video Signal	0.5-1.0 volts p-p
Input DDC Signal	5 volts p-p (TTL)
Video Format Supported	DTV/HDTV: 1080p/1080i/720p/576p /480p/576i/480i
Output Video	HDMI 1.3+HDCP (repeat the source to the sink)
Output Audio	Support DTS-HD, Dolby-HD (repeat the source to the sink)
Maximum Transmission Distance	40m
Power Supply	5VDC
Power Consumption	1.5 Watts (Max.)
Dimensions	60mmW×115mmH×23mmD/1.8' ' W× 3.3' ' H×0.9' ' D
Mass (Main unit)	0.3Kgs (Pairs)/1.16lb
IR wavelength & frequency	Wavelength: 940nm IR Frequency: 38KHZ

 **NOTE1:** Specifications are subject to change without notice. Mass and dimensions are approximate.

■ Connections and Operations

- 1) Connect the HDMI input source (such as: HD-DVD、PS3、STB etc.) into PW-HT202T.
- 2) Connect CAT-5E cables to both the outputs of EX0101- N52 and inputs of PW-HT202R. (The cables must follow the standard of EIA/TIA 568B)
- 3) Connect the HDMI output (such as : HD-LCD、HD-DLP) into XZ0101-RX.
- 4) Connect the IR TX UNIT into PW-HT202T IR TX, Connect the IR RX UNIT into PW-HT202R IR RX.
- 5) DIP SWITCH Description.

 **NOTE:** DIP switch from left to right match Position in the table below. ON: 1, OFF: 0

PW-HT202T

Position	Functions
0	1080P stereo (Note1)
1	1080p 5.1 (Note2)
2	EDID Copy Mode (Copy EDID from display) (Note3)
3	1080i stereo (Note4)
4	1080P stereo (LC mode)
5	1080p 5.1 (LC mode)

6	EDID Copy Mode (LC mode)
7	1080i stereo (LC mode)



- PW-HT202R** (belows are suggestions for users to chose when you use different length of UTP. Of course, different environment the transport distance of UTP will be different. Therefore, you can adjust it advisability)

Position	Functions
0	0-10 metres in the transport distance
1	
6	30-40 metres in the transport distance
7	



- Note1:** PW-HT202T will use the embedded 1080P-stereo compatible EDID when the DIP switch is in this mode.
- Note2:** PW-HT202T will use the embedded 1080p 5.1 EDID when the DIP switch is in this mode.
- Note3:** PW-HT202T will Copy EDID from display when the DIP switch is in this mode.
- Note4:** PW-HT202T will use the embedded 1080i stereo EDID when the DIP switch is in this mode.
- Attention:** Please insert and extract cables gently.

■ Typical Application

