HDMI Extender Via Cat6/7E

With local HDMI loop output

User manual

1. Description

The HDMI extender provides extension of HDMI signals long distances over a single CAT6/7e cable, it supports high resolution up to 1080p, support EDID copy and loopout function. The extender can use for a wide range of applications requiring long distance transmission of high resolution with high quality by its good stability and powerful security.
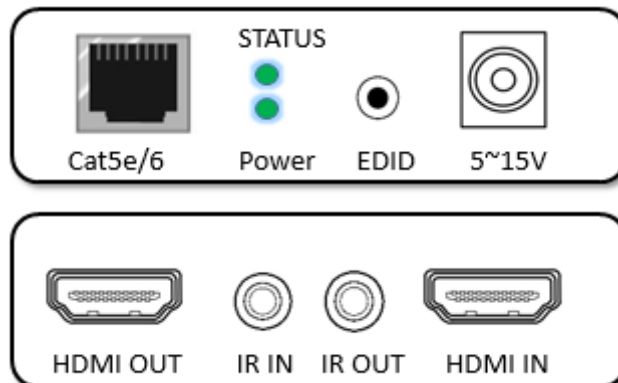
2. Features

- Transmits HDMI video and audio signals up to 60m over a single UTP CAT5E/6/7E cable;
- Support video resolution up to 1920*1080@60Hz;
- Support EDID copy function, can match many kinds of display device; (EDID button function: Press 3 seconds could automatic adjust the TV information and if power off ,also remember it.)
- Support bidirectional 20-60KHz IR.
- Support POE Power function, a power adapter (12V/1A) only connect TX .
- Transmitter support one channel HDMI local output;
- Follow the standard of IEEE-568B.
- 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;
- Built-in ESD protection system;
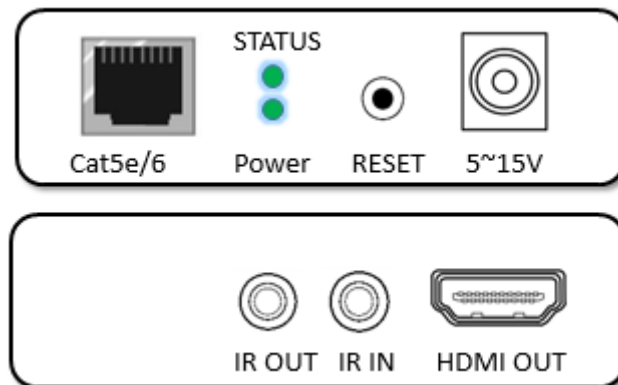- Simple to install, plug and play;

3. Specifications

Parameter		Description
Video	Standards	HDMI 1.3; HDCP 1.2
	Maximum pixel clock	165MHz
	Maximum data rate	6.75Gbps
	Resolution	1920X1080@60Hz
	Connector	HDMI-A
	Impedance	100Ω
IR	Interface	3.5mm earphone seat
	Signal direction	bidirectional direction
	Signal type	Digital
	IR frequency	20k-60kHz
Cat5e/6	Interface	RJ45
	RJ45 Connection	standard of IEEE-568B.
	Transmission distance	UTP CAT6/7E: 60m ; CAT5e-40m
Other	Power supply	The power adapter: DC 5-15V/1A
	Power dissipation	MAX 3W
	Temperature	Operating: -5℃ ~ +70℃
	Humidity	Operating: 5%～90%
	Dimension	94.5*73*26mm
	The warranty	1 year free warranty

4. Panel

Transmitter:

Receiver:

Port name	Description
HDMI IN/OUT	HDMI signal input/output
Cat5e/6	RJ45 interface
DC/5-15V	Power adapter socket
EDID	EDID button, press 3 second to copy EDID form displayer that connect TX HDMI IN port.
IR	IR signal input/output
RESET	Reset system(Press for 5 second to restore system setting to factory default)
LED indicator	**Description**
POWER	System power indicator
STATUS	Video indicator Copy EDID indicator

5. Package list

- HDMI transmitter …………………………… 1 pcs
- HDMI receiver ………………………………. 1 pcs
- Power adapter ……………………………….. 1 pcs
- IR blaster extension cable ………………1 pc
- IR receiver extension cable …………… 1 pc
- User manual …………………………………… 1 pcs

6. Installation

1、 Connect the HDMI input source (such as HD-DVD、 PS3、 STB etc.) to transmitter.

2、 Connect a CAT6 cable from Cat5e/6 port of transmitter to Cat5e/6 port of receiver

3、 Connect the HDMI sink(such as HD-LCD、 HD-DLP) to receiver,

4、 Connect the transmitter Cat5e/6 port to the receiver Cat5e/6 port using a single CAT6 Cable.

5、 Connect the IR TX UNIT into transmitter IR TX; Connect the IR RX UNIT into receiver IR RX.

6、 Power on Transmitter.

7. Diagram