HDMI Extender over TCP/IP

USER MANUAL

1. Description

The HDMI extender provides extension of HDMI signals long distances over a single CAT5e/6 cable, it supports high resolution up to 1920*1080@60Hz and IR signal transmission. 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 120m over a single CAT5e/6 cable;

- Support video resolution up to 1920*1080@60Hz;

- Support IR signal transmission;

- Support over TCP/IP, one to many application with Ethernet switch;

- 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	Unidirectional
	Signal type	Digital
	IR frequency	38khz(standard) ; 20-60KHz (Can be customized)
Ethernet	Interface	RJ45

	Transmission distance	CAT5e/6 - 120m
Other	Power supply	The power adapter: DC 5V/1A
	Power dissipation	MAX 3W
	Temperature	Operating: -5℃ ~ +70℃
	Humidity	Operating: 5% ~ 90%
	Dimension	100*60*25mm
	The warranty	1 year free warranty

4. Panel

Transmitter :
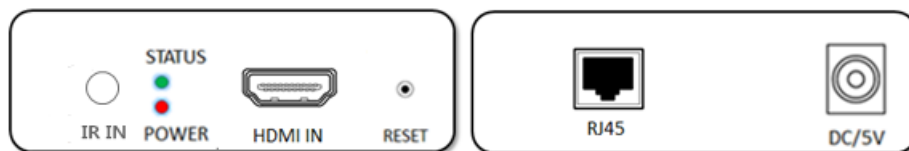
Receiver :
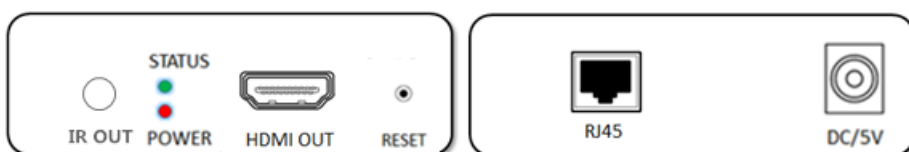
Port name	Description
HDMI IN/OUT	HDMI signal input/output
IR IN/OUT	IR signal input/output
RJ45	Ethernet interface
DC/5V	Power adapter socket
RESET	Press for 5 second to restore system setting to factory default
LED indicator	**Description**
STATUS	Video signal connection indicator
POWER	System power indicator

5. Package list

● HDMI transmitter ……………………………. 1 pc

● HDMI receiver ………………………………. 1 pc

● Power adapter …………………………….... 2 pcs

● IR TX/RX terminal …………………………. 1 set

● User manual ……………………………..… 1 pc

6. Installation

1、 Connect the provided DC/5V power supplies to the power socket of the transmitter and the receiver,

2、 Connect an HDMI cable between the HDMI input port of transmitter and the HDMI output port of the video source,

3、 Connect the HDMI output port of receiver to the display device with HDMI cable,

4、 Connect the transmitter RJ45 port to the receiver RJ45 port using a single CAT5e/6 cable.

7. Diagram