USER MANUAL

4K 150M HDMI EXTENDER OVER IP

Enjoy the vivid world

Introduction

The 150m 4K HDMI IP extender can transmit 4K HDMI high-definition video from your DVD, player, PC and other devices by CAT5E / 6 cable, the max distance up to 150 meters and support 4Kx2K@30Hz.

It's convenient to transmit HDMI audio and video source by point-to-point mode, one point-to-multi point and cascade connection mode . It can be used in conference rooms, squares, stations and so on.

Transmitter   Receiver

Features

* Support HDMI 1.4b
* Support point-to-point mode, one point-to-multi point mode and cascade connection mode
* Support mouse and keyboard
* Support unidirectional IR extension
* Support the max resolution 3840×2160/30HZ
* Lossless video compression, support HD display
* Video latency time ＜100us
* Pure hardware design, plug and play, no need to install additional software.

Specifications

HDMI Version...HDMI 1.4b
HDMI Resolution...Up to 3840x2160/30Hz

Support video format ……………………………...……...........……8/10/12 bit deep color
Audio format………………………………………………..................……stereo、7.1CH
The max working current……………… …………..……….……TX 420mA，RX 480mA
Dimension(L-W-H).....…………………………….......…………………124×85×24（mm）
Weight………………………………………………………….……….......TX: 204g，RX:207g
Power adapter format...................Input AC (50HZ, 60HZ) 100V-240V; output: DC5V/1A
Working temperature / humidity….….........0℃ ～ 45℃ / 10% - 80%RH(No condensation)
Storage temperature / humidity………...-10℃ ～ 70℃ / 5% - 90%RH(No comdensation)

Physical interface diagram

HDMI Transmitter

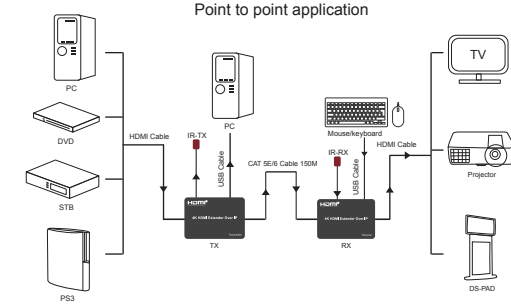| Port	Description
Power	Power indicator light
Status	State indicator light, quick flash:abnormal/slow flash:normal
HDMI	It indicates signal input if the indicator light all the time
USB-PC	USB port, connect with the usb of device (PC)
Reset	Reset key and let the device to restart
DC/5V	5VDC power adapter port
UTP	Network port
IR-TX	IR signal output ,IR transmitter aims at the IR receiving of the video source
HDMI IN	HDMI input interface, to connect video source

HDMI Receiver:

Port	Description
Power	Power indicator light
Status	State indicator light, quick flash:abnormal/slow flash:normal
HDMI	It indicates signal input if the indicator light all the time

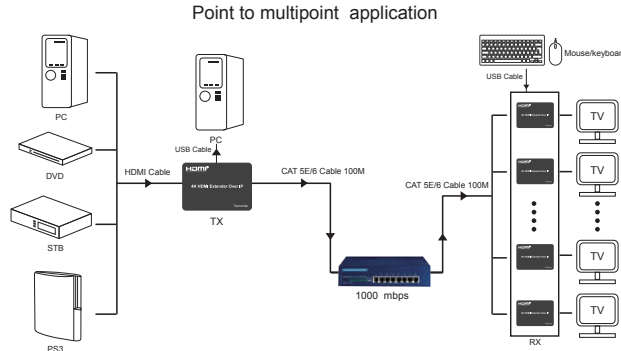| USB	USB button, press to wake up USB1 / USB2
USB1&USB2	USB port, connect the mouse or keyboard
Reset	Reset key and let the device to restart
DC/5V	5VDC power adapter port
UTP	Network port
IR-RX	IR signal input port,remote controller of the video source aims at RX receiver head
EDID	EDID button, Long time press this button to store the TV EDID information into the extender
HDMI OUT	HDMI output port, connect to the HDMI port of TV

Application diagrams

Application 1:

Point to point application

Noted：1. When everything is connect well and turn on the TV, after start RX (TV screen show 'wait Link Up') long time press (above 3s) EDID button until TV screen blackening then loosening button,EDID update successfully.

2. When there is a normal picture on the TV, press the USB button of the RX,the screen shows 'USB owner' to indicate that the USB 1 / USB 2 has been turned on, the mouse and keyboard can be used normally.

Application 2:

Point to multipoint application

Noted：1. When everything is connect well and turn on the TV, after start RX (TV screen show 'wait Link Up') long time press (above 3s) EDID button until TV screen blackening then loosening button,EDID update successfully.
2. When there is a normal picture on the TV,press the USB button of the RX, the screen shows 'USB owner' to indicate that the USB 1 / USB 2 has been turned on, the mouse and keyboard can be used normally.
3. Please use a dedicated gigabit ethernet swith for point to multi-point function.

Application diagrams

150M HDMI extender over IP is used in audio-visual conference, command and control center, ticketing platform, home theater, multi-media teaching, conference system and so on.

audio-visual conference   command and control center   home theater

Connection and operation

1) Connect the HDMI source (such as DVD, PS3, STB) to the "HDMI IN" of transmitter by HDMI cable.
2) Connect the "HDMI out" of Receiver to HDTV display by HDMI cable.
3) Use one Cat5e/6 (recommend) cable up to 150meters to connect the Sender and Receiver.
4) Connect the "IR receiver cable"into "IR-RX" port on receiver, and "IR transmitter cable " into the "IR-TX" on transmitter.
5) If need KVM function, connect the mouse and keyboard to USB1' and USB 2'ports.
6) Connect two pieces of 5V power supply to the transmitter and receiver, power supply for the device and the LED indicator light on. When status lamp on and flash slowly, the device start to work properly.

The Package contents :

1. HDMI Transmitter   1PCS
2. HDMI Receiver   1PCS
3. 5V/1A Power adapter   2PCS
4. IR cable   1Pair
5. USB cable male to male 1.5m   1PCS
6. User's Manual   1PCS