HDMI®

HIGH-DEFINITION MULTIMEDIA INTERFACE

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-many point and cascade connection mode . It can be used in conference rooms, squares, stations and so on.

Transmitter

Receiver

Features

* 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 Resolution…………………………………..…………………..Up to 3840x2160/30Hz
Support video format …………………………………..……....……..…..8/10/12 bit deep color

Audio format………………………………….............……… LPCN, Dlby, DTS, etc
The max working current……………… ………………..…....…..TX 420mA, RX 480mA
Dimension(L-W-H)…..………………………………....……………….....122×84×19 （mm）
Weight………………………………………………..………....……TX: 173g, RX:176g
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

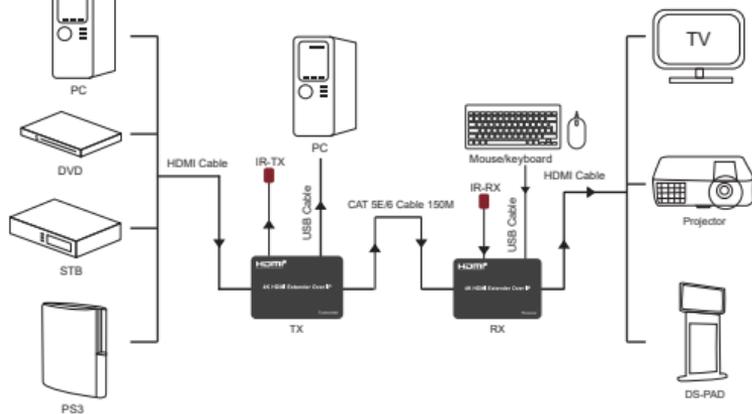| Port	Description
Power	Power indicator light
Status	State indicator light, quick flash:abnormal/slow flash:normal
HDMI	It indicates signal input if the indicator light all the time
USB-PC	USB port, connect with the usb of device (PC)
Reset	Reset key and let the device to restart
DC/5V	5VDC power adapter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

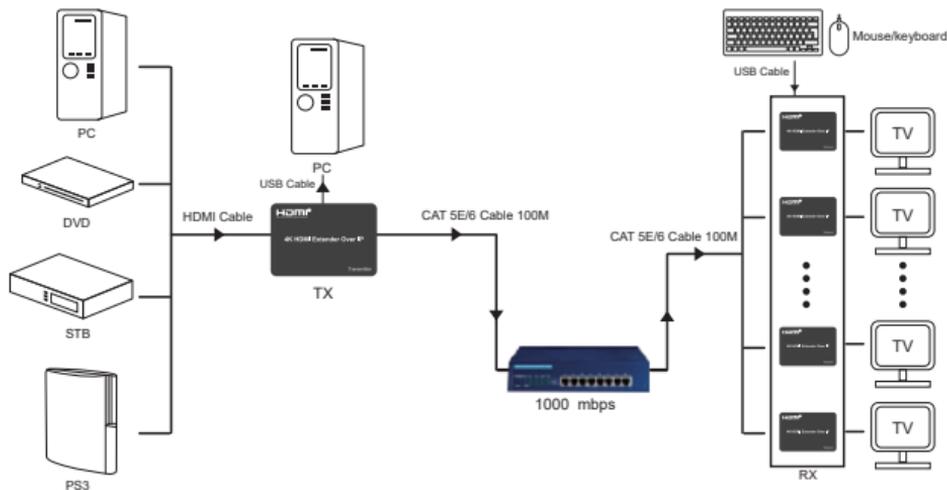| USB	USB button, press to wake up Keyboard / Mouse;
Keyboard / Mouse	USB port, connect the mouse or keyboard;
Reset	Reset key and let the device to restart;
DC/5V	5VDC power adapter port;
UTP	Network port;
IR-RX	IR signal input port,remote controller of the video source aims at RX receiver head;
EDID	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

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 Keyboard / Mouse has been turned on, the mouse and keyboard can be used normally.

3. Please use a dedicated gigabit ethernet network 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 'Mouse' and 'Keyboard'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	1PC
2. HDMI Receiver	1PC
3. Power adapter	2PCS
4. IR cable	1Pair
5. USB cable male to male	1PC
6. User's Manual	1PC