



HIGH-DEFINITION MULTIMEDIA INTERFACE

USER MANUAL

4K 120M KVM Extender

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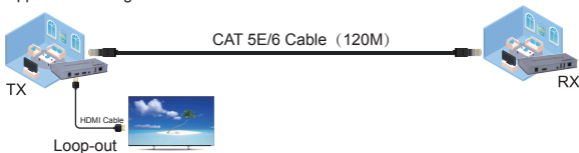
Introduction

The Extender uses single cat5e or cat6(recommended) cables instead of HDMI cable to transmit high definition signal up to 120 meters, cutting down the cost. The Extender is designed to supply for long distance transmission of high definition signal.



Features

- * Support HDMI 1.4/HDCP1.4;
- * Support local loop-out ;
- * Support 120m long distance transmission :



- * Low power consumption, low temperature and high safety ;
- * Both the TX and RX support 3.5MM left and right audio output ;
- * Support IR control ;
- * Support USB mouse and keyboard extension ;

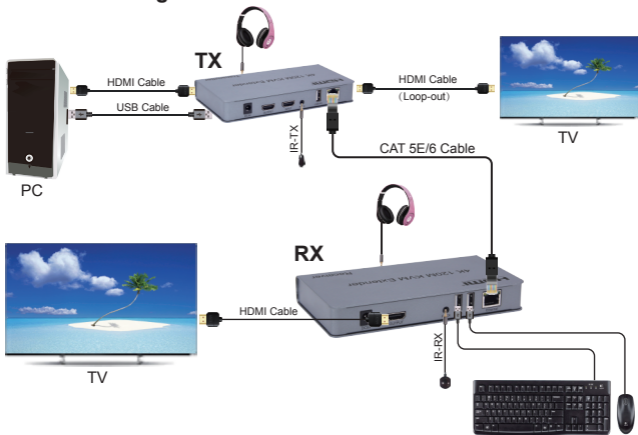
Specifications:

Length of CAT5e/CAT6 cable between Rx and TX	120 meters
HDMI Input	4k/1080p/720p/576p/576i/480p/480i
HDMI Output	4k/1080p/720p/576p/576i/480p/480i
Max bandwidth	340MHz
Max baud rate	3x3.4Gbps
Input video signal	0.5~1.5Volts p-p
Output DDC signal	5Volts p-p (TTL)
Input HDMI cable distance	≤10m AWG26 HDMI standard cable
Output HDMI cable distance	≤10m AWG26 HDMI standard cable
TX Max working current	350mA
RX Max working current	200mA
Power adapter format	Input:AC (50HZ, 60HZ) 100V-240V; Output: DC5V/1A
Operating Temperature range	(-15 to +55 ℃)
Operating Humidity range	5 to 90%RH (No Condensation)
Dimension (L x W x H)	107x105x27.3 (mm)
TX Weight	499g
RX Weight	494g

Connecting and Operating:

- 1.Connect one HDMI cable between source device and TX Extender, the max cable distance is 10 meters.
- 2.Connect one HDMI cable between display device and RX Extender, the max cable distance is 10 meters.
- 3.Connect single cat-5e or cat-6(recommended) cables instead of HDMI cables between TX and RX Extender, the max cable distance is 120 meters.
- 4.Connect 5V power supply to the TX and RX.
- 5.Plug the mouse and keyboard into the USB port of the receiver, and connect the USB port of the transmitter with the computer if you need the KVM control function.
- 6.LED indicator light
TX LED indicator light: Turn it on, green light; when there is a signal input, the yellow light flashing.
RX LED indicator light: Turn it on, green light; when there is a signal input, the yellow light flashing.
- 7.The pairs of IR RX and IR TX cable connect the 3.5mm IR RX and IR TX port of the receiver and transmitter respectively. (Just connect when you need it) .

Connection diagram:



Application diagrams

HDMI extender 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



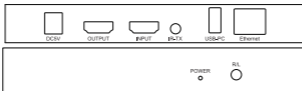
Command and control center



Home theater

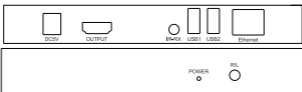
Physical interface diagram

TX:



Port	Function description
DC/5V	5V DC Power input port
OUTPUT	HDMI Loop-out port
INPUT	HDMI Input port
IR-TX	IR-TX port
USB-PC	USB port, connect with the usb of device (PC)
Ethernet	Cat5e / 6 cable connection port
POWER	Power indicator light
R/L	Stereo output

RX:



Port	Function description
DC/5V	5V DC Power input port
OUTPUT	HDMI Output port
IR-RX	IR-RX port
USB1-2	USB port, connect the mouse or keyboard
Ethernet	Cat5e / 6 cable connection port
POWER	Power indicator light
R/L	Stereo output

The Package includes:

- | | | | |
|----------------|--------|---------------------------|------|
| 1. TX Extender | 1PCS | 4. 5V/1A DC Power adapter | 2PCS |
| 2. RX Extender | 1PCS | 5. User Manual | 1PCS |
| 3. IR cable | 1 Pair | | |