

USER MANUAL

4K 120M HDMI Extender cascade connection

Enjoy the vivid world

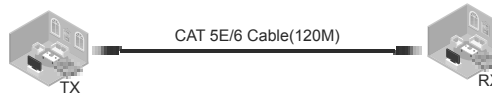
Introduction

The 4K 120M HDMI extender uses one single cat-5E or cat-6(recommended) cable instead of HDMI cable, you can extend the 4K signal to 120 meters. The purpose of the extender is to achieve long-distance signal transmission with low-cost wires.



Features

1: 120M long distance transmission:



2: Multi-receiver cascade transmission:



3: Low power consumption, low temperature and high safety.

Specifications

Length of CAT-5E/CAT-6 cable between Rx and TX	up to 120 meters
HDMI input	4K/1080p/720p/576p/576i/480p/480i
Support audio format	DTS/Dolby/LPCM
HDMI output	4K/1080p/720p/576p/576i/480p/480i
Max bandwidth	340MHz
Max baud rate	3.4Gbpsx3
Input video signal	0.5~1.5Volts p-p
Output DDC signal	5Volts p-p (TTL)
Input HDMI cable distance	≤15m AWG26 HDMI standard cable
Output HDMI cable distance	≤15m 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 C)
Operating Humidity range	5% to 90%RH (No Condensation)
Dimension (L x W x H)	94x84x24(mm)
TX Weight	223g
RX Weight	223g

Application diagrams

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



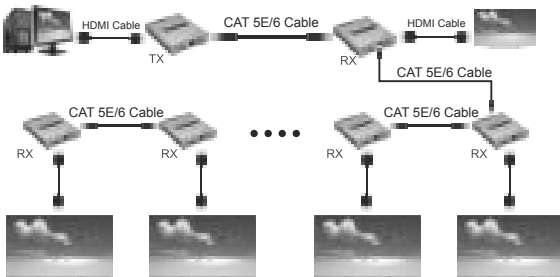
Home theater

Connection diagrams

Point to point application



Multi-receiver cascade transmission:



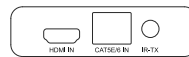
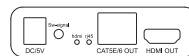
Connection and operation

1. Connect source device with transmitter by one HDMI cable, the cable max length is 15 meters.
2. Connect display device with receiver by one HDMI cable, the cable max length is 15 meters.
3. Connect TX with RX by one cat5e or cat 6(recommended), the cable max length is 120 meters.
4. One pair of IR RX and IR TX cable, connected to the 3.5mm IR RX and IR TX ports of the transmitter and receiver respectively.

5. Connect the power supply to the TX and RX.
6. LED indicator: When a signal is input to work, steady blue light.

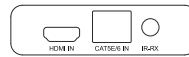
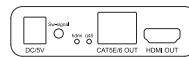
Physical interface diagram

Transmitter:



Port	Description
DC/5V	5V power supply for the Transmitter
Sw-signal	Switch input signal button
hdmi	HDMI input indicator
rj45	Network port input indicator
CAT5E/6 OUT	Network cable output port
HDMI OUT	HDMI output port
HDMI IN	HDMI input port
CAT5E/6 IN	Network cable input port
IR-TX	Connect to the IR transmitting port

Receiver:



Port	Description
DC/5V	5V power supply for the Transmitter
Sw-signal	Switch input signal button
hdmi	HDMI input indicator
rj45	Network port input indicator
CAT5E/6 OUT	Network cable output port
HDMI OUT	HDMI output port
HDMI IN	HDMI input port
CAT5E/6 IN	Network cable input port
IR-RX	Connect to the IR receiving port

The package includes

- | | |
|------------------------|-------|
| 1. Transmitter | 1PCS |
| 2. Receiver | 1PCS |
| 3. IR cable | 1Pair |
| 4. 5V/1A Power adapter | 2PCS |
| 5. User Manual | 1PCS |