

USER MANUAL

4K 120M HDMI Extender cascade connection

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: 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 DT S/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 AWG28 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) 97X82X22(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

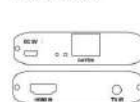


Connection and operation

- 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.

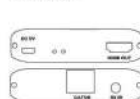
Physical interface diagram

Transmitter:



Port	Description
DC/5V	5V power supply for the Transmitter
Sw-signal	Switch input signal button
HDMI	HDMI input indicator
CAT5E/6 OUT	Network cable output port
HDMI OUT	HDMI output 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
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 |