USER MANUAL

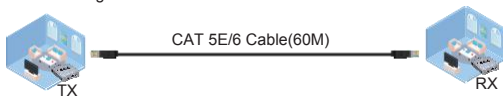## HDMI 2.0 60M Extender cascade connection

Enjoy the vivid world

Introduction

The HDMI 2.0 60m extender uses single cat-5E or cat-6(recommended) cable instead of HDMI cable, you can extend the HDMI 2.0 4K@60Hz signal to 60 meters.or 4K@30Hz and 1080P singal to 120 meters.The purpose of the extender is to achieve long-distance signal transmission with low-cost wires.

Features

1：4K 60Hz 60M long distance transmission：

2：Multi-receiver cascade transmission：

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

4：Support HDCP2.2 or below.

Specifications

Length of CAT-5E/CAT-6 cable between Rx and TX	up to 60 meters
HDMI input	K/1080p/720p/576p/576i/480p/480i
Support audio format	DTS/Dolby/LPCM
HDMI output	K/1080p/720p/576p/576i/480p/480i
Max bandwidth	600MHz
Max baud rate	6Gbps x3
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°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.
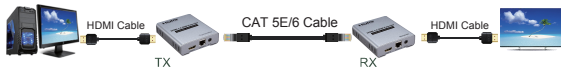
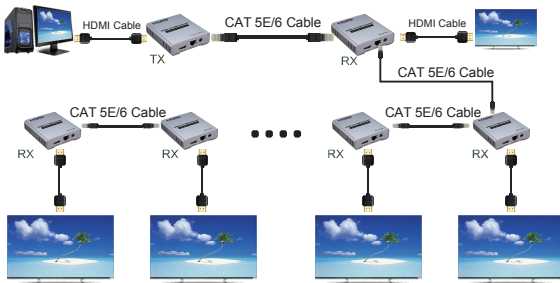| Audio-visual conference	Command and control center	Home theater

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 10 meters.
2. Connect display device with receiver by one HDMI cable,
   the cable max length is 10 meters.
3. Connect TX with RX by one cat5e or cat 6(recommended),
   the cable max length is 60 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 the HDMI indicator is on, it indicates that the HDMI signal input ,
   and the RJ45 indicator is on, indicating that the network port signal input .

Physical interface diagram

Transmitter:

Port	Description
DC/5V	5V power supply for the Transmitter
Switch	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 Receiver
Switch	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