

# HDMI 4K 120M Extender



## Product Description

The 4K 120M HDMI extender uses one single cat-5E or cat-6(recommended) cable instead of HDMI cable, you can extend the HDMI1.3-1080P signal to 120 meters or HDMI 4K@60Hz to 120 meters. The purpose of the extender is to achieves long-distance signal transmission with low-cost wires.

### Features and 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.....	1080p/720p/576p/576i/480p/480i
Max bandwidth.....	340MHz
Max baud rate.....	3.4x3Gbps
Input video signal.....	0.5~1.5Volts p-p
Output DDC signal.....	5Volts p-p (TTL)
Input HDMI cable distance.....	≤15m AWG26HDMI standard cable
Output HDMI cable distance.....	≤15m AWG26 HDMI standard cable
TX Max working current.....	350 mA

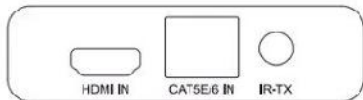
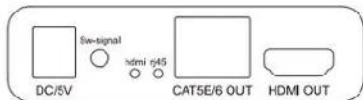
RX Max working current.....200 mA  
 Power adapter form.....Input: AC (50HZ, 60HZ)100V-240V; Output: DC5V/1A  
 Operating Temperature range..... (-15 to +55°C)  
 Operating Humidity range.....5% to 90%RH (No Condensation)  
 Dimension (L x W x H) .....94x84x24(mm)  
 Weight.....223g each device

## 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.

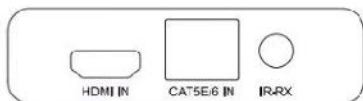
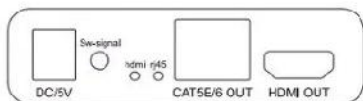
## Physical interface diagram

### 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