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# 4K@60HZ HDMI Extender 60M

## With Loopout & Dual IR

### User Manual



#### 1. PRODUCT DESCRIPTION

This HDMI Extender includes a transmitter unit (TX) and a receiver unit (RX), working as a pair. It allows for transmission and extension uncompressed full HD 4K@60Hz HDMI signal via CAT6/6A/7 network cable, the transmission distance is up to 60 meters with zero latency. At the same time, the signal is stable, and the built-in EDID greatly improves the compatibility of the device. It supports two way IR remote control and local loopout . This product is perfect for AV transmission in applications of HD conference system, HD video shooting, HD multimedia education system, HD digital advertising and signage etc.

The device has a long transmission distance, low use cost, convenient installation and good compatibility, and it is a stable and efficient transmission method.

#### 2. ADVANTAGE

- Aluminum alloy housing design, stable and durable ;compact size and Slim ,strong anti-interference, Wall-mounted type is more convenient;
- Uncompressed transmits HDMI video and audio signals up to 60M over a single CAT6a/7 cable;
- Support video resolution up to 3840\*2160@60Hz, 3D signal;
- Support bi-direction wide band infrared signal transmission;
- Support local loopout in sender
- HDMI 2.0 and HDCP 2.2 standard;
- Build-in EDID function, can match many kind display device;
- Ethernet cables with a standard IEEE - 568b connection, convenient installation;
- Built-in ESD protection
- High compatibility, can auto-match source and display device;
- Built-in automatic adjustment system, make the image smooth, clear and stable;

### 3. FEATURES



4K@60Hz



Support 3D



60M Distance



Local loopout



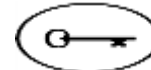
Bi-direction IR



Smoothing & Real time



Plug and Play



HDCP 2.2; HDMI2.0

### 4. PACKING LIST

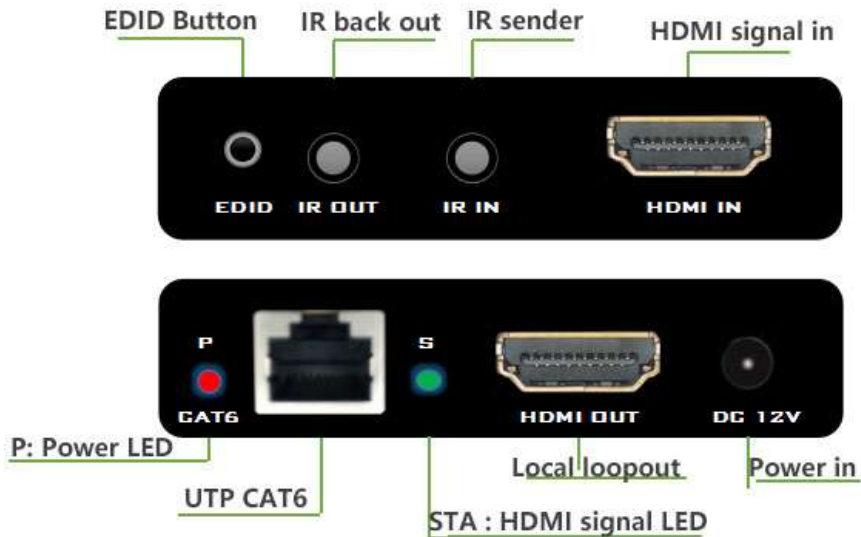
- HDMI extender transmitter x 1
- HDMI extender receiver x 1
- IR sender and receiver cables x 1
- Power adapter x 2
- Instruction manual x 1

### 4. SPECIFICATION

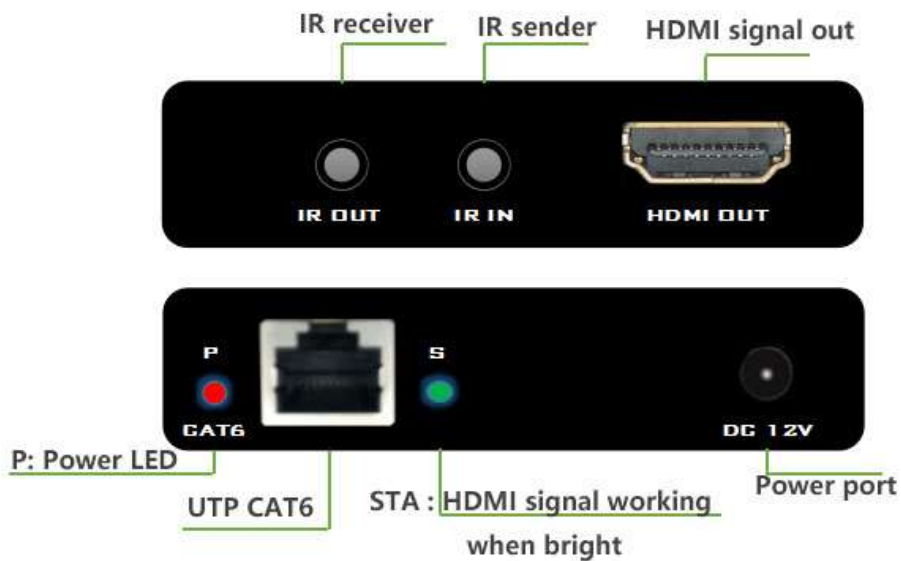
Parameter		Description
Video	Standards	HDMI2.0; HDCP 2.2
	Maximum pixel clock	340MHz
	Maximum data rate	18Gbps
	Maximum resolution	3840*2160@60Hz (backward-compatible)
	Connector	HDMI-A
	Impedance	100Ω
IR	Interface	3.5mm earphone seat
	Signal direction	Bi-directional
	Signal type	Digital
	IR frequency	20-60kHz
UTP	Interface	RJ45 (IEEE - 568b connection)
	Transmission distance	CAT6-60M
Other	Power supply	The power adapter: DC 5V/1A
	Power dissipation	MAX 3W
	Temperature	Operating: -5°C~ +70°C
	Humidity	Operating: 5% ~ 90%
	Dimension	82*65*17mm
	The warranty	1 year free warranty

## 5.INTERFACE

### Sender



### Receiver



## 6.INSTALLATION

1. The HDMI signal source (such as set-top boxes, Blu ray DVD, computers, etc.) access to the HDMI Sender;
2. Connect the local Monitor to the HDMI sender' s HDMI output.
3. Connect the HDMI Receiver to the display device (such as a high definition TV, a tiled screen, etc.);
4. Use the network cable (recommended 6 types of cable) to connect the sender and receiver network interface;
5. Transmitter and the receiver connected to powers, when the lamp lights up normally, normal operation of system.

6.

## 7.CONNECTION DIAGRAM



## 8. FAQ

### 1, No image and no video show in TV monitor ?

A :Check the STA and PWR LED lighting ;

Check your cables is UTP Cat6;

Check the Network cable head is **568B** series ;

Don't roll the UTP Cat6 ,stretch out .

Press the EDID : only use the Sender connect Monitor by HDMI cable and press EDID

### 2, Could use Cat5e ?

A: No . the 4K video data is 18Gbp with uncompressed that too large ,must use cat6/7.

### 3, Why the product was burned ?

A: Should use the correct network cable head ,it is 568B , because the receiver is PoC function, if the the Ethernet cable series is not 568B, will causing a short circuit.

### 4.About the Ethernet cable( cat5e, cat6, cat7)

First it's must UTP ; The cable is cat5e, then the Crystal head is for cat5e; the cable is cat6 ,then the head should for cat6.