# P-HDMI ED100M-4KL

PR⊙BE

The Extender uses single cat5e or cat6(recommended) cables instead of HDMI cable to transmit high definition signal up to 100 meters, cutting down the cost. The Extender is designed to supply for long distance transmission of high definition signal.

Key Features :

- Support HDMI 1.4;
- Support local loop-out ;
- Support 100m long distance transmission:
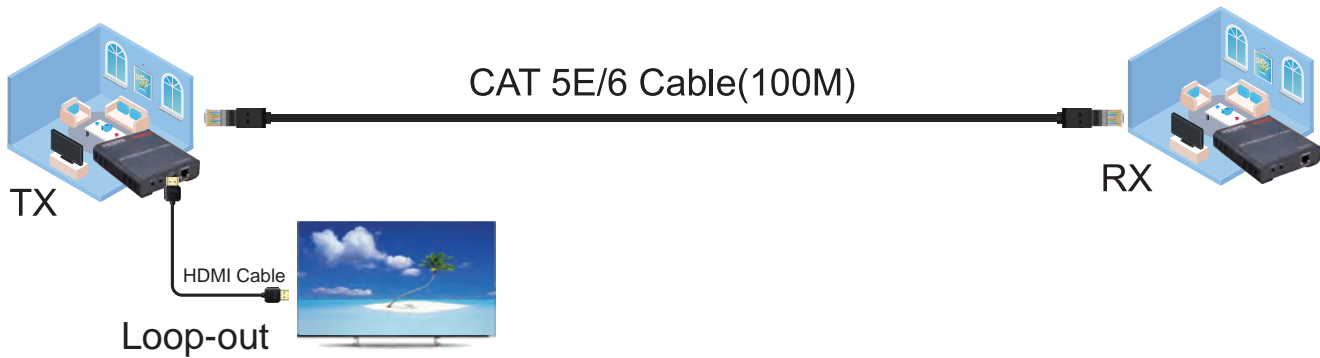
- Low power consumption, low temperature and high safety;
- Support 3D video format;
- Both the TX and RX support 3.5MM left and right audio output;
- Support IR control;

Specifications:

Length of CAT5e/CAT6 cable between Rx and TX ……………………………………………………..................…………........ Up to 100 meters

HDMI Input …………………………………………………………………………………….......... 4k/1080p/720p/576p/576i/480p/480i

HDMI Output …………………………………………………………………………………….......... 4k/1080p/1080i/720p/576p/576i/480p/480i

Max bandwidth ……………………………………………………………………………………………………........................... 340MHz

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Max baud rate ……………………………………………………………………………………………….. 3x3.4Gbps

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℃)

Operating Humidity range ……………………………………………………………………… 5 to 90%RH (No Condensation)

Dimension (L x W x H) …………………………………………………………………………… 81x87.5x23.5 (mm)

TX Weight ……………………………………………………………………………………...…… 210g

RX Weight …………………………………………………………………………………………. 200g

Connecting and Operating:

1.Connect one HDMI cable between source device and TX Extender, the max cable distance is 15 meters

2.Connect one HDMI cable between display device and RX Extender, the max cable distance is 15 meters

3.Connect single cat-5e or cat-6(recommended) cables instead of HDMI cables between TX and RX Extender, t

he max cable distance is 100 meters

4.Connect 5V power supply to the TX and RX.

5.LED indicator light

TX LED indicator light: When there is no signal input, it turns blue;

When there is signal input, it turns red,and keep flashing.

RX LED indicator light: When there is no signal input, it turns blue;

When there is signal input, it turns red,and keep flashing.

6.The pairs of IR RX and IR TX cable connect the 3.5mm IR RX and IR TX port of the receiver and

transmitter respectively.（Just connect when you need it）

Application diagrams

HDMI extender over IP is used in audio-visual conference, command and control center, ticketing platform,

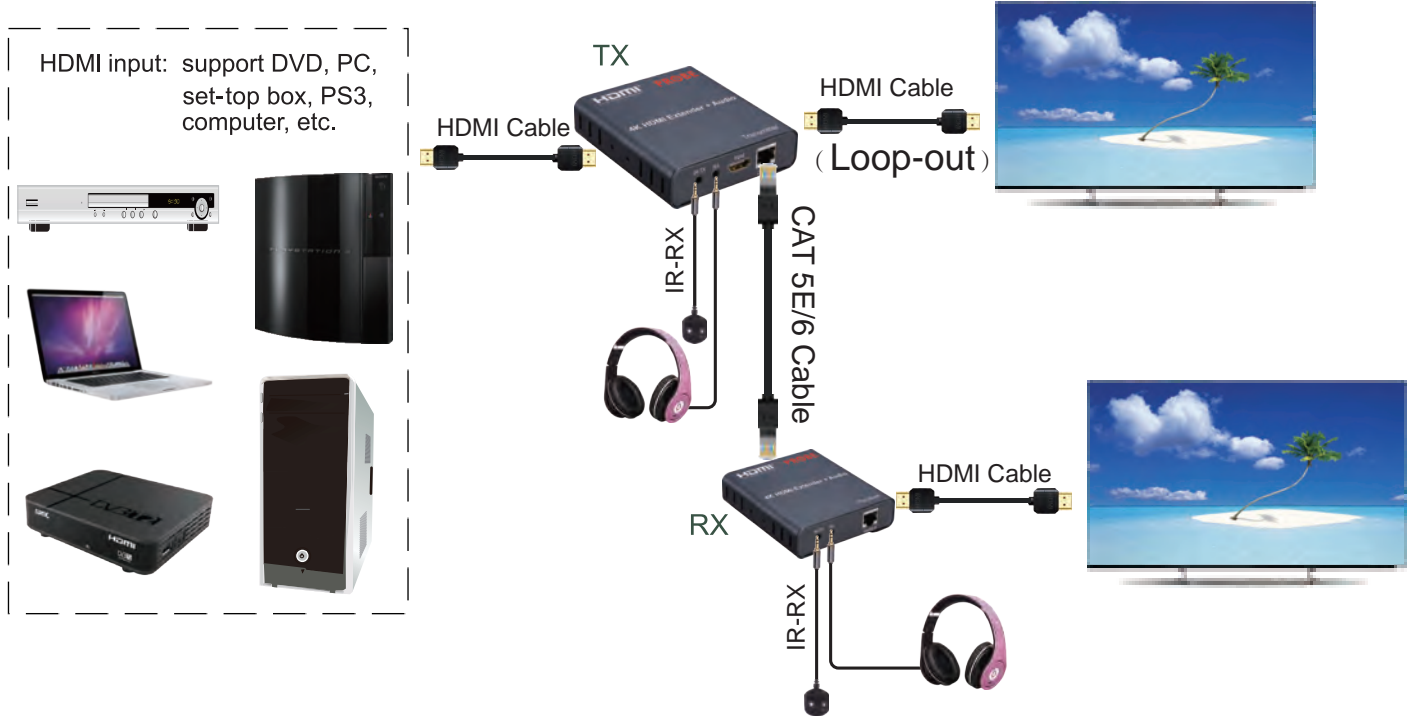home theater, multi-media teaching, conference system and so on.
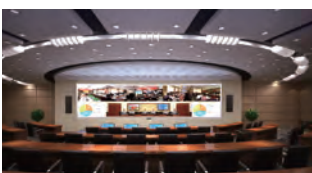
| Audio-visual conference | Command and control center | Home theater |

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Connection diagram:

HDMI input: support DVD, PC, set-top box, PS3, computer, etc.

TX

HDMI Cable

HDMI Cable

（Loop-out）

IR-RX

CAT 5E/6 Cable

RX

HDMI Cable

IR-RX

Physical interface diagram

Port	Function description
DC/5V	5V DC Power input port
Status	Turn on the power,it turns blue. when there is signal input,it turns red,and keep flashing
Output	HDMI Loop-out port
IR-TX	IR-TX port
R/L	Stereo output
Input	HDMI Input port
Cat5E/6	Cat5e / 6 cable connection port

Port	Function description
DC/5V	5V DC Power input port
Status	Turn on the power,it turns blue. when there is signal input,it turns red,and keep flashing
Output	HDMI output port
IR-RX	IR-RX port
R/L	Stereo output
Cat5E/6	Cat5e / 6 cable connection port

Package include :

1. TX Extender   1PCS
2. RX Extender   1PCS
3. IR cable   1PCS
4. 5V/1A DC Power adapter   1PCS
5. User Manual   1PCS