HDMI®

USER MANUAL

4K 60m HDMI Extender (4K@60Hz)

Enjoy the vivid world

Introduction

The Extender uses single cat5e or cat6(recommended) cables instead of HDMI cable to transmit high definition signal up to 60 meters, cutting down the cost. The Extender is designed to supply for long distance transmission of high definition signal.
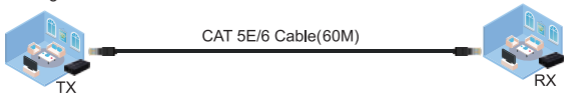
TX Extender

RX Extender

Features

* 60M long distance transmission

CAT 5E/6 Cable(60M)

TX

RX

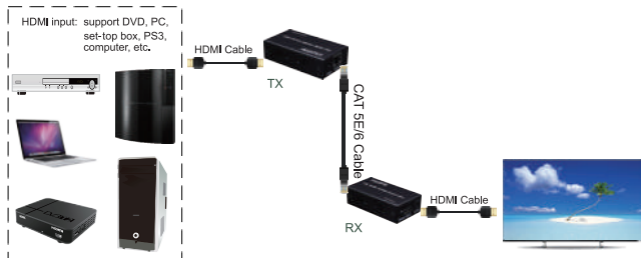* Low power consumption, low temperature and high safety

Specifications

Length of CAT-6/CAT-5E cable between Rx and TX	60 meters
HDMI Input	4K@60Hz/1080P/720P/576P/576I/480P/480I
HDMI Output	4K@60Hz/1080P/720P/576P/576I/480P/480I
Max bandwidth	600MHz
Max baud rate	3x6Gbps
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	450mA
RX Max working current	250mA
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)	81x43x22 (mm)
TX Weight	102g
RX Weight	103g

Operating and Connecting

1. Connect one HDMI cable between source device and TX Extender,
   the max cable distance is 10 meters.
2. Connect one HDMI cable between display device and RX Extender,
   the max cable distance is 10 meters.
3. Connect single cat-5e or cat-6(recommended) cables instead of HDMI cables between
   TX and RX Extender, the max cable distance is 60 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. EDID button: The button can support the switch of EDID between 1080P and 4K@60Hz.

Connection diagram:

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

HDMI Cable

TX

CAT 5E/6 Cable

RX

HDMI Cable

Application diagrams

HDMI extender 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

Physical interface diagram

Port	Function description
EDID	4K@60Hz and 1080P switch button
CAT5e/6	Cat5e / 6 cable connection port
Status	Turn on the power,it turns blue. when there is signal input,it turns red,and keep flashing
Input	HDMI Input port
DC/5V	5V DC Power input port

Port	Function description
CAT5e/6	Cat5e / 6 cable connection port
Status	Turn on the power,it turns blue. when there is signal input,it turns red,and keep flashing
Output	HDMI output port
DC/5V	5V DC Power input port

The Package includes:

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