HIGH-DEFINITION MULTIMEDIA INTERFACE

USER MANUAL

4K 120M HDMI Extender with Loop

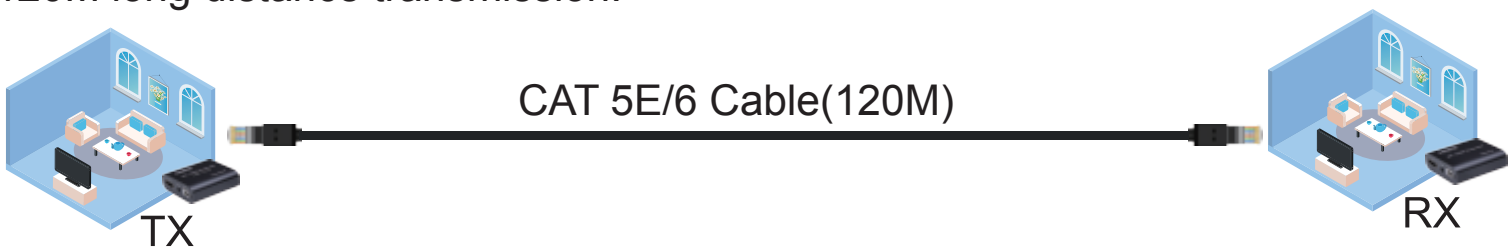
Enjoy the vivid world

Introduction

The Extender uses single cat5e or cat6(recommended) cables instead of HDMI cable to transmit high definition signal up to 120 meters. The Extender is designed to supply for long distance transmission of high definition signal.

Features

1: Support highest video resolution 3840*2160P/30Hz;
2: 120M long distance transmission:



3: Support local loop-out;
4: Both the TX and RX support 3.5MM left and right audio output;
5: Low power consumption, low temperature and high safety.

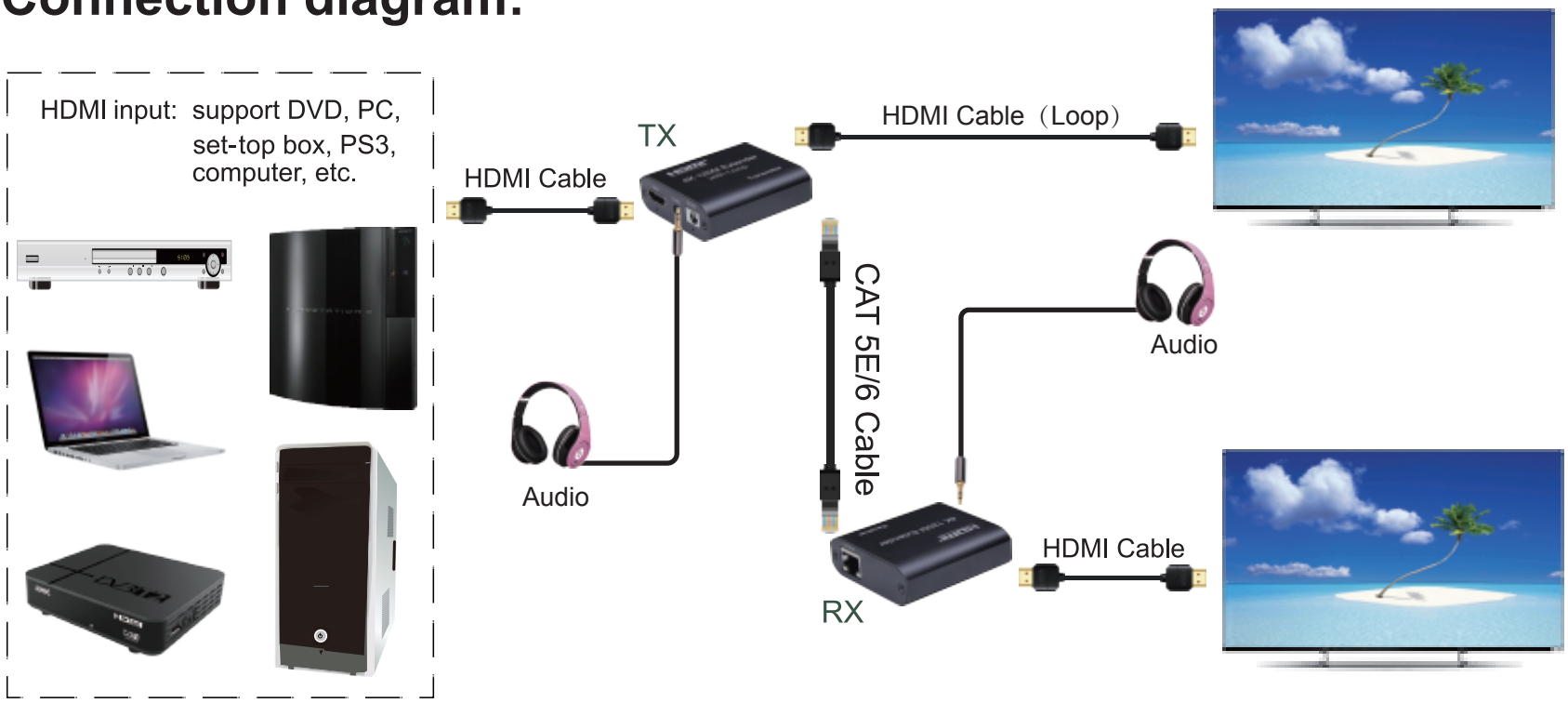
Specifications:

Length of CAT-6/CAT-5E cable between Rx and TX ..... Up to 120 meters
HDMI Input 4k/1080p/1080i/720p/576p/576i/480p/480i
HDMI Output 4k/1080p/1080i/720p/576p/576i/480p/480i
Max bandwidth 340MHz
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 ..... ≤10m AWG26 HDMI standard cable
Output HDMI cable distance ..... ≤10m AWG26 HDMI standard cable
TX Max working current 300mA
RX Max working current 300mA
Power adapter format ..... Input:AC (50HZ, 60HZ) 100V-240V; Output: DC5V/1A
Operating Temperature range ..... (-15 to +45℃)
Operating Humidity range ..... 5 to 90%RH (No Condensation)
Dimension (L x W x H) ..... 60x56x19 (mm)
TX Weight 49g
RX Weight 49g

Connecting and Operating:

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 120 meters;
4.Connect 5V power supply to the TX and RX;
5.EDID button: The button can support the switch of EDID between 1080P and 4K.
(4K is the default EDID when the power is on).

Connection diagram:



Application diagrams

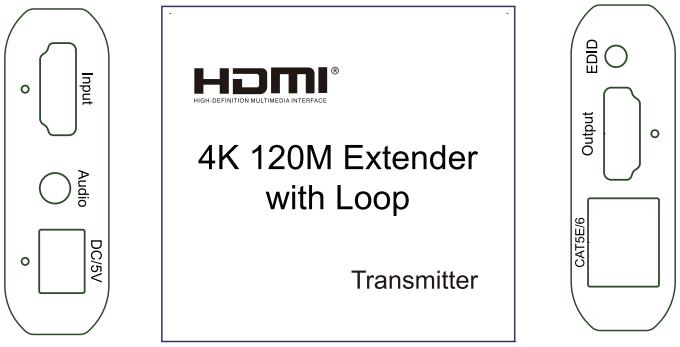
HDMI extender is used in audio-visual conference, command and control center, ticketing platform, home theater,multi-media teaching,conference system and so on.

Audio-visual conference

Command and control center

Home theater

Physical interface diagram



Port	Function description
Input	HDMI Input port
Audio	Stereo output
DC/5V	5V DC Power input port
CAT5E/6	Cat5e/6 cable connection port
Output	HDMI Loop-out port
EDID	4K and 1080P switch button

Port	Function description
Output	HDMI Output port
Audio	Stereo output
DC/5V	5V DC Power input port
CAT5E/6	Cat5e/6 cable connection port

The Package includes:

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