# HDMI®

HIGH-DEFINITION MULTIMEDIA INTERFACE

# USER MANUAL

## 150M HDMI 1.3 IP EXTENDER

*Enjoy the vivid world*

## Introduction

150M HDMI IP Extender is based on TCP/IP standard. It transmits your HD display with the high resolution up to 150 meters away from your DVD or computer source by using one CAT5e/6 cable.

At the same time, it's convenient to transmit HDMI audio and video source by point-to-point mode, one point-to-multi point mode and cascade connection mode .

Transmitter

Receiver

## Features

* H.264 code transmission, transmission rate 16Mbps；
* Support point-to-point mode, one point-to-multi point mode and cascade connection mode；
* 802.3 Ethernet standard；
* Support IR remote control；
* The transmitter support HDMI loop-out function；
* The design of pure hardware, plug and play, no need for additional software.

## Specifications

| | |
|---|---|
| HDTV Resolutions | 480p,720p,1080p |
| Audio | Sample rate:32kHz,44.1kHz and 48kHz code |
| IR remote control | 38 KHz（NEC） |
| Power adapter | DC:5V/1A |

| | | |
|---|---|---|
| The Max Power consumption | ............................ | HDMI sender:2.5W   HDMI receiver:2W |
| Size(L-W-H) | ............................................................. | 93*79*27mm |
| Weight | ............................................................................ | 228g x 2 |
| Operating Temperature/Humidity | ...................... | 0℃-45℃/10%-80%RH(no condensation) |
| Storage Temperature/Humidity | ........................ | -10℃-70℃/5%-90%RH(no condensation) |

## Physical interface diagram

HDMI Transmitter
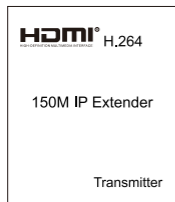


| Port | Description |
|---|---|
| DC/5V | 5V power supply for the Transmitter |
| Reset | Press the key,the device will re-start |
| IR-TX | Connect IR transmitter |
| HDMI - IN | HDMI input ,connect HDMI signal source |
| HDMI - OUT | HDMI output, connect HDMI display device |
| Ethernet | Network interface by cat5e/6 |

HDMI Receiver:
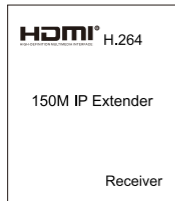


| Port | Description |
|---|---|
| DC/5V | 5V power supply for the receiver |
| Reset | Press the key,the device will re-start |
| IR-RX | Connect IR receiver |
| HDMI -OUT | HDMI output, connect HDMI signal device |
| Ethernet | Network interface by cat5e/6 |

## Application diagrams

Application 1:

Point to point application



Application 2:

Point to multipoint application
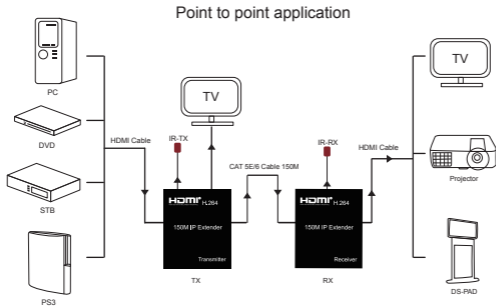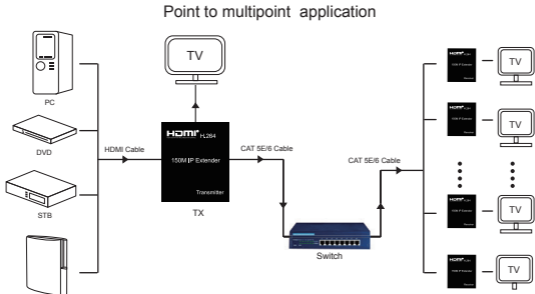
## Application diagrams

150M 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

## Connection and operation

1) Connect the HDMI source (such as DVD, PS3, STB ) to the "HDMI IN" of transmitter by HDMI cable.
2) Connect the "HDMI out" of Receiver to HDTV display by HDMI cable.
3 )Connect the Transmitter and Receiver with one cat5e/6 cable (recommend).the furthest distance is 150M.
4) Connect the "IR receiver "into "IR-RX" port on receiver, and "IR transmitter " into the "IR-TX" on transmitter, and make sure the IR transmitter aim at IR port of the source
5) Connect two pieces of 5V power supply to the transmitter and receiver, and power on the HDTV display and HDMI source.

## The Package contents :

1. Transmitter            1PCS
2. Receiver               1PCS
3. 5V/1A Power adapter     2PCS
4. IR cable               1Pair
5. User's Manual          1PCS