# LM-HT208

# HDMI IR Extender

# User Manual



## Description

The LM-HT208 extender provides extension of HDMI signals long distances over a single CAT6 cable, it supports high resolution up to 1080p and

IR signal transmission. The extender can use for a wide range of applications requiring long distance transmission of high resolution with high quality by its good stability and powerful security.

## 1. Features

1) Transmits HDMI video and audio signals up to 60m over a single CAT6 cable;
2) Support video resolution up to 1920*1080@60Hz, 3D signal;
3) Support reverse direction IR signal transmission;
4) Support copy EDID function, can auto-match many kind display device;
5) Compliance with HDMI 1.3 and HDCP 1.2 standard;
6) High compatibility, can auto-match source and display device;
7) Built-in automatic adjustment system, make the image smooth, clear and stable;
8) Built-in ESD protection system;
9) Simple to install, plug and play;

## 2. Specifications

| | Parameter | Description |
|---|---|---|
| Video | Standards | HDMI 1.3; HDCP 1.2 |
| | Maximum pixel clock | 165MHz |
| | Maximum data rate | 6.75Gbps |
| | Resolution | 1920X1080@60Hz |
| | Connector | HDMI-A |
| | Impedance | 100Ω |
| IR | Interface | 3.5mm Stereo Audio Jack |
| | Signal direction | Reverse direction |
| | Signal type | Digital |

| | IR frequency | 20k-60kHz |
|---|---|---|
| UTP | Interface | RJ45 |
| | Transmission distance | CAT6-60m |
| Other | Power supply | The power adapter: DC 5V/1A |
| | Power dissipation | MAX 3W |
| | Temperature | Operating: -5℃ ～ +70℃ |
| | Humidity | Operating: 5% ~ 90% |
| | Dimension | 94.5*71*26mm |

# 3. Panel



Transmitter          Receiver

| Port name | Description |
|-----------|-------------|
| HDMI IN/OUT | HDMI signal input/output |
| UTP | RJ45 port connect cat5e/6. |
| IR IN/OUT | IR signal input/output |
| DC IN | Power adapter socket |
| **LED indicator** | **Description** |
| PWR | System power indicator |
| STATUS | Video signal indicator. Copy EDID indicator |

# 4. Package list

● HDMI transmitter ……………………… 1 pcs

- HDMI receiver ................................. 1 pcs
- Mini USB cable.................................. 1 pcs
- Power adapter ...............................2 pcs
- User manual ................................... 1 pcs

# 5. Installation

1. Connect the HDMI input source (such as HD-DVD, PS3, STB etc. ) to transmitter.
2. Connect a CAT6 cable from UTP port of transmitter to UTP port of receiver
3. Connect the HDMI sink(such as HD-LCD, HD-DLP ) to receiver,
4. Connect the transmitter UTP port to the receiver UTP port using a single CAT6 cable.
5. Connect the IR TX UNIT into transmitter IR TX; Connect the IR RX UNIT into receiver IR RX.
6. Power on Transmitter and Receiver.

# 6. Diagram