

# 100M HDMI Single Cable Extender User Manual

## Special Notification

Before using this product, please read this manual carefully.  
Please keep this manual for future reference.  
The company may change the fuction of product without notice.

## Overview

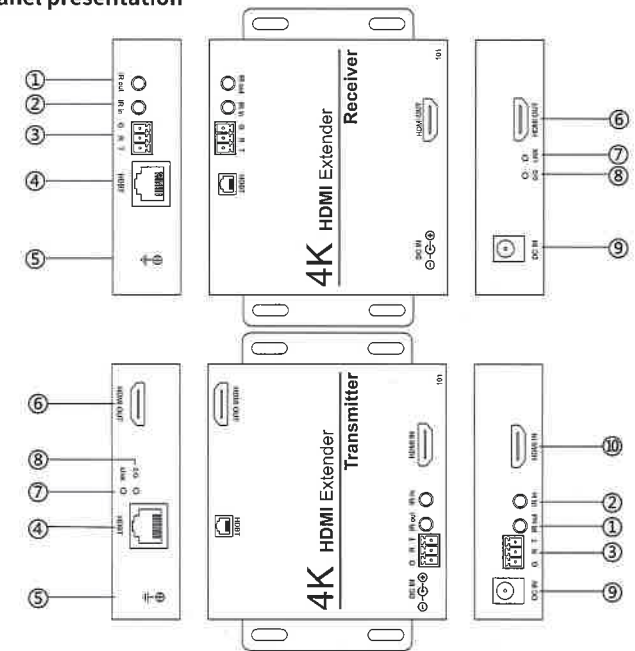
HDMI digital video double stranded cable transporter is transmitted in high definition video 1080P to 100m by single CAT5e/6 double stranded cable. And it can transmit two-way rs-232, two-way infrared signal. It supports video signals with a high resolution of 4K, including 1080p/60 dark. The transmitter is equipped with a HDMI loop output that can be used to extend or monitor input HDMI signals. HDMI digital transmitter is a perfect transmission of HDMI signal source, providing a low cost solution for signal source equipment and display equipment with remote video transmission and bidirectional control.

## Features

- HDBaseT technology can transmit the HDMI signal through a single CAT5e/6 cable;
- Support two-way infrared, two-way RS232 transmission;
- Support HDMI input compatible with DVI1.0;
- Transmitter supports HDMI monitoring output;
- Built-in POE remote power supply module (optional);
- Support video, IR, RS232 simultaneous transmission, CAT5e/6 cable maximum transmission distance of 100M;
- Supports computer and video resolutions up to 4K, including 1080p/60 color depth.

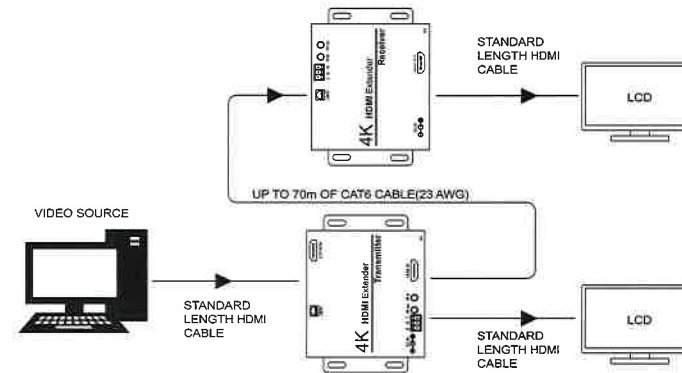
( To prevail in kind )

## Panel presentation



- ①IR OUT-----Infrared output
- ②IR IN-----Infrared input
- ③G R T-----RS232 signal; both ends are set to a consistent baud rate, and baud rate ranges from 110bps to 115200bps;
- ④HDBT-----CAT5e/6 network transmission interface adopts RJ45 interface, which is used to transmit HDBaseT signals at long distance;
- ⑤Ground hole(electricity)-----connect the enclosure and ground.
- ⑥HDMI OUTPUT---Video signal output interface; used to connect monitors and other devices;
- ⑦LINK-----Connect indicator lights, after connect the HDBaseT keep brighting
- ⑧SIG-----Work indicator light; flashing after work;
- ⑨DC IN-----Power supply; external 12V DC power supply;
- ⑩HDMI INPUT---Video signal input interface; used to connect PC and other devices;

### System connection diagram



### Product specification:

Input / output HDMI resolution -----Up to 2560×1600@60 Hz or 4K (4096×2160)@24 Hz, UHD (3840×2160)@30 Hz, 4K/UHD@60 Hz/24bpp with 4:2:0 pixel format

Maximum data rate-----10.2 Gbps(3.4 Gbps per color)

Transmission distance-----1080p@60Hz Up to 100m; 4K/UHD@30Hz and 60Hz Up to 70m; The use of CAT5e/6 twisted pair cable requirements of 24 AWG or better

Length of video input cable-----≤10m AWG26 HDMI standard cable

Length of video output cable-----≤10m AWG26 HDMI standard cable

Serial port control -----RS232(110-115200bps)

Infrared frequency -----38KHz

Maximum operating current -----500mA

Power adapter specification-----

----- AC input: 100V~240V(50 /60HZ), DC output: 12V-1A

Working temperature-----0~40°C

Working humidity range-----5~85%RH(none-condensation)

TX dimension -----90×84×24(mm)

TX weight -----200g

RX dimension -----90×84×24(mm)

RX weight -----200g

### Packing List

NO.	Name	Qty	Remark
1	Product machine (TX & RX)	1SET	
2	Power adapter	2PC	
3	User manual	1PC	

### The matters needing attention of installation

In order to ensure the reliable performance of the equipment and the safety of the user, please observe the following matters during the process of installation, use and maintenance.

- Please do not use this product in the following places: the place of dust, soot and electric conductivity dust, corrosive gas, combustible gas; the place exposed to high temperature, condensation, wind and rain; the occasion of vibration and impact. Electric shock, fire, wrong operation can lead to damage and deterioration to the product, either;
- Should avoid wiring and inserting cable plug in charged state, otherwise it is easy to cause the shock, or electrical damage;
- The installation and wiring should be strong and reliable, contact undesirable may lead to false action;
- This product grounds by the grounding wires. To avoid electric shocks, grounding wires and the earth must be linked together. Before the connection of input or output terminal, please make sure this product is correctly grounded;
- Only after cutting down all external power source, can install, wiring operation begin, or it may cause electric shock or equipment damage;
- Please do not dismantle the equipment, avoid damaging the internal electrical component.