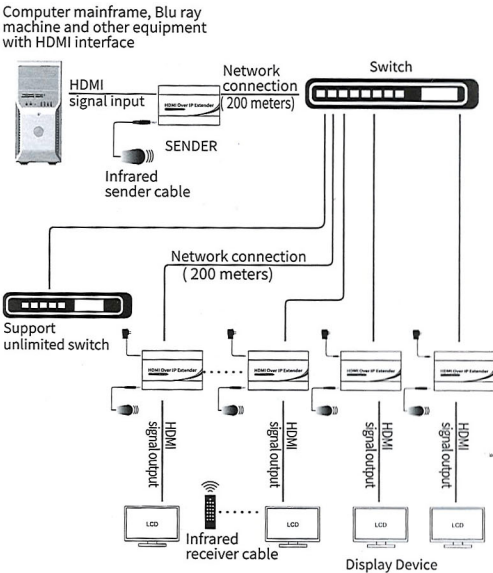# HDMI Extender User Manual

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.

Thank you very much for purchasing our products. In order to achieve the best effect of the product and ensure safety, please read this manual carefully before connecting, operating, and debugging the product. Please keep this manual for future reference.

HE200 is a pair of extenders that use high-definition HDMI single network cable transmission. It compresses and converts the 4K/30Hz full-HD signal of DVD/PC/PS4 and other video players into network data, so that it can be transmitted over a network cable. Different from the traditional analog video extension solution, it uses H.265 format to encode and compress the high-definition video signal, and convert it to a standard network data stream of TCP/TP protocol, which can transmit the video signal to any area in the local area network. The real meaning The realization of the local area network transmission of high-definition video signals. This solution is a highly advantageous video transmission solution in the industry, which can be widely used in security monitoring, large building screens, shopping mall advertising, digital billboards, visual media teaching and other fields.
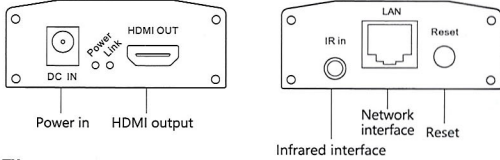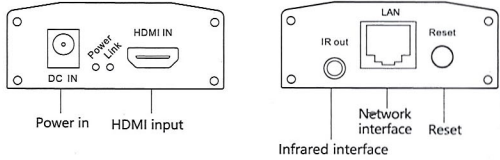
(To prevail in kind)

Features

■ Support HDMI 1.4 high-definition video interface signal, compatible with DVI signal;
■ Use H.265 format to encode and decode the video, reduce the transmission bandwidth, ensure the smoothness of video and audio playback, and restore the picture quality;
■ Support 3840*2160@30Hz, 6 types of unshielded network cable transfer distance up to 200 meters;
■ Support IR control signal return, and the sender can be directly controlled by infrared remote control at the receiving end;
■ Adopt standard TCP/IP network protocol, long transmission distance, strong anti-interference ability, network switch can be used to realize cascade and expansion;
■ Sending and receiving can support one-to-one, one-to-many and other application modes;
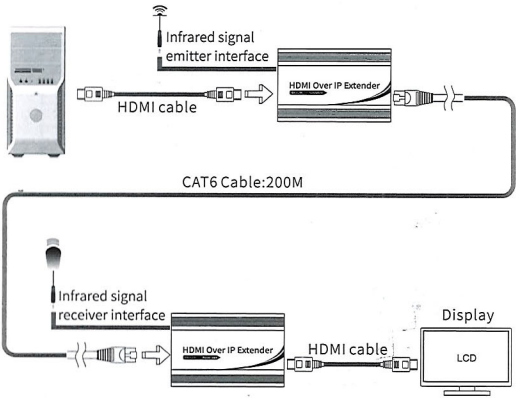
Interface Description

RX

Power in   HDMI output

Network interface   Reset

Infrared interface

TX

Power in   HDMI input

Network interface   Reset

Infrared interface

Application diagram

CAT6 Cable:200M

Installation

1. The input signal source with the HDMI interface (PC/DVD/DVR., Etc.);
2. The display device with HDMI output interface (display /HDTV/ Projector. ,Etc.);
3. Use a standard HDMI cable;
4. Use a standard network cable (CAT 6:200M)。
Network cable connection method:
IEEE-568B: 1-orange-white, 2-orange, 3-green-white, 4-blue, 5-blue-white, 6-green, 7-brown-white, 8-brown.

Connection Diagram

Computer mainframe, Blu ray machine and other equipment with HDMI interface

Product specifications

Compression method	Video signal up to 3840X2160@30Hz can be compressed to about 20Mb/s, the picture is smooth and clear, and the colors are vivid.
Video format	Support HDMI 1.1/ 1.2/ 1.3/ 1.4, HDCP1.1/ 1.2/1.4
Video Delay	Delay: 120ms
remote control	Support IR remote control and return control
IR frequency	Infrared receiving frequency: 20-60KHz
Audio frequency	Audio frequency: 44.1KHz
Power	5V/1A
Video Resolution	480i/576i, 720P@50/60Hz, 1080i@50/60Hz,1080P@60Hz, 3840x2160@30Hz
Transmission	CAT6 Cable: 200M
Protocol	Network protocol: TCP/IP

Packing List

No.	Name	Qty	Remark
1	HDMI Extender (sender&receiver)	1set	
2	Power adapter	2pc	
3	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 andreliable, 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.