HDMI Over IP Extender Manual

Appearance

HDMI Over IP Extender is a standard network data stream that can encode and compress HDMI audio and video high-definition signals in H.264 format and then transfer it to the local area network. It can also be equipped with KVM function, audio separation and other remote control functions, truly realize input, audio separation and other remote control functions, truly realize the transmission of high-definition video and audio signals in a local area network. The transmission distance can reach 200M using a single CAT6 network cable, and the optical transmission mode can reach 20KM. This solution is the first in the industry. A highly advantageous audio and video transmission program, with excellent image processing and transmission stability, reliability, and high efficiency, can be widely used in security monitoring, video conferencing, multimedia teaching, outdoor advertising, office and other fields.

Features

◆ Support 1920x1080P@60Hz audio and video signals using CAT-6 single 200M, SC single-mode single fiber optical 20KM;

◆ Support TCP/TP Ethernet standard protocol;

◆ Support 20-60KHz broadband infrared return function;

◆ Support compatible with HDMI1.4 standard and comply with HDCP1.4 standard;

◆ Built-in automatic equalization system, the picture is smooth, clear, stable, and compatible;

◆ Built-in ESD electrostatic protection circuit, all-round protection system safety;

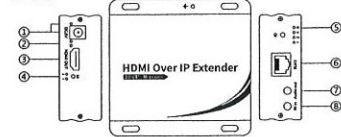◆ Installation is simple and convenient, plug and play, no need to set up;

Panel is introduced

Sender

1.Power----------DC5V power led or port
2.LINk-LED---Flashes after normal work
3.HDMI OUT-----HDMI signal output port
4.Mode key switch and status led
5.HDMI IN---------HDMI signal input port
6.ID----------------ID key switch and led
7.RJ45------------CAT5E/6 signal port
8.Audio in------3.5MM audio input port
9.IR out----------IR out port

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8.USB IN----------PC usb input port
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Receiver

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9.Fiber------------SC-Fiber port
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11.IR out----------IR out port

Receiver

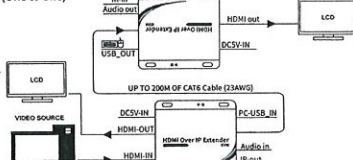Power----------DC5V power led or port
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Technical parameters

Length--------------------------------CAT6-Cable-200M,SC-Fible Cable-20KM
HDMI IN/OUT Resolution--------1080P@60/50/30/1080i@60/720P/480P
Audio Format--LPCM
HDMI Standard------------------------------------HDMI1.4 HDCP1.4
HDMI Data Rate------------------Bandwidth:340MHz/Data Rate:10.2Gbps
HDMIVideo encoding compression format----------------------H.264
Input video signal------------------------------------0.5~1.5Volts p-p
Output DDC signal--------------------------------5Volts p-p(TTL)
HDMI cable distance--------------≤10M AWG26 HDMI1.4 standard cable
Max working current---------------------Sender:650mA,Receiver:500mA
Power Adapter--------------AC input: (50-60HZ) 100V-240V;DC out:5V/1A
Size/Weight--------------------------------100x96.8x29.35mm/150g
Shell Material--Metal

Connection Diagram

(One to one)

(One to many)

(Many to many)

High LED: Long press the "ID" button to turn it on or off. The light is high. Does not light to low. Each time you press the "ID" button at a higher position, the number will increase by 16, for example: 16, 32, 48, 64, 80, 96... in the loop.
Low LED: When the high bit is 16, each time you press the "ID" key, the increase of the low bit only circulates between 1, 2, 3-16.
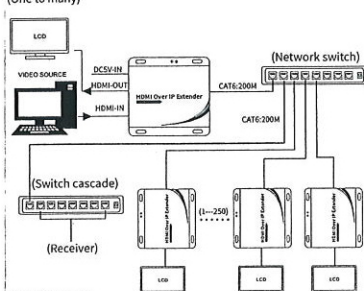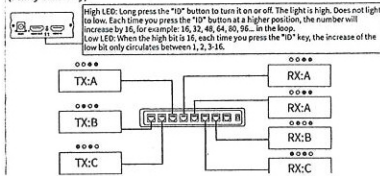
The matters needong attention of installation

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.

Packing list

NO.	Parts	Qty
1	HDMI Extender(tx or rx)	1
2	Power Adapter:DC5V/1A	2
3	IR cable	1
4	User manual/Warranty Card	1