HDMI Extender over Cat5e/Cat6 (HD BaseT)

User manual
Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

I. Introduction

The HDMI Extender over cat5e/cat6 is a tool for extending your HDMI signal over long distance to a compatible display. It is designed to convert HDMI signal to standard HDBaseT signal and transmit by Internet cable. Its also supports Transfer Bidirectional Infrared control signal together with the HDMI signal, so you can control the Source in the Sink side which is 100 meters outside, also you can control the Sink in the Source side which is 100 meters outside using the HDMI Extender.
II. Features
One pair as a full functional module, no need for setting.
POE (Power Over Ethernet) function support, either TX or RX powered
12V@2.5A, another device will no need power form the DC jack. POE Power
Consumption less than 10W.
Use single UTP LAN cable (CAT-5E/6) to substitute HDMI cable to achieve long
distances transmission.
UTP cable termination follows the standard of IEEE-568B.
Transmission distance:
100 meters: 1080P @60Hz@36bit; 3D1080P@30Hz@36bit;
70 meters: 1080P @60Hz@48bit; 1080P @120Hz@24bit; 3D1080P@60Hz@36bit
4K x 2K@30Hz@24bit.
HDMI V1.4 supported.

HDMI V1.4 supported.

III. Package
HDMI Extender Transmitter .................................................. 1PC
HDMI Extender Receiver .................................................. 1PC
IR Transmitter .......................................................... 2PCS
IR Receiver .......................................................... 2PCS
12V2.5A DC Power Supply adapter .................................. 1PCS
Operation Manual .......................................................... 1PC
IV. Specifications

Frequency Bandwidth: 2.97Gbps

HDMI Transmitter Input/Output Ports: 1x HDMI Female port/1 x CAT6
1x IR Transmitter/1x IR Receiver

HDMI Receiver Input/Output Ports: 1 x HDMI Female port/1 x CAT6
1x IR Transmitter/1x IR Receiver

Power Supply: DC 12V 2.5A

ESD Protection Human Body Model: ≤ 8kV (air-gap discharge)
± 4kV (contact discharge)

Dimensions (mm): 65(W) X 100 (D) X 25 (H)

Weight: 200g x 2

Operating Temperature: 0°C ~ 40°C / 32°F ~ 104°F

Storage Temperature: -20°C ~ 60°C / -4°F ~ 140°F

Relative Humidity: 20 ~ 90% RH (Non-condensing)

Power Consumption (Max): 20W

V. Operation controls and Functions

Transmitter

DC IN: Plug the 12V DC power supply into the unit.

Diagram:

[Diagram of the transmitter controls and functions]
IR OUT: Channel 1 IR Transmitter.
IR IN: Channel 2 IR Receiver.
HDMI IN: HDMI Input port.
HDMI Signal OUT: Standard HDBaseT signal output port
LINK LED: This red LED illuminate when the Transmitter and Receiver are connected with LAN cable.
Receiver

DC IN: Plug the 12V DC power supply into the unit.
IR IN: Channel 1 IR Receiver.
IR OUT: Channel 2 IR Transmitter.
HDMI OUT: HDMI Output port.
HDMI Signal IN: Standard HDBaseT signal input port
LINK LED: This red LED illuminate when the Transmitter and Receiver is connected with LAN cable.