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 @60Hz36bit; 3D1080P@30Hz36bit;

70 meters: 1080P @60Hz@48bit; 1080P @120Hz@24bit; 3D1080P@60Hz@36bit

4K x 2K@30Hz@24bit.

HDMI V1.4 supported.

HDCP compliant.

Full HD support: 1080p@60Hz@48 bit/pixels, 1080p@120Hz@24 bit/pixels, 3D 1080P60Hz and 4K x 2K@30Hz@24bit

Transfer Bidirectional Infrared control signal together with the HDMI signal.

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

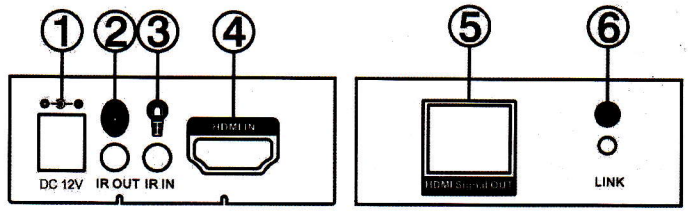
IV. Specifications

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
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.

IR OUT: Chanel 1 IR Transmitter.

IR IN: Chanel 2 IR Receiver.

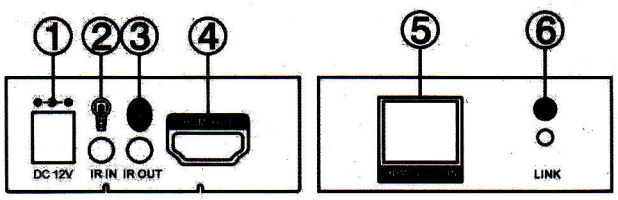
HDMI IN: HDMI Input port.

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: Chanel 1 IR Receiver.

IR OUT: Chanel 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.

VI. Application Example