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CHE-HDBT200

HDMI Extender over CAT5e/6/7 (HDBaseT)



Operation Manual

I. Introduction

The HDMI Extender over cat5e/cat6 is a tool for extending your HDMI signal over long distances to a compatible display. It is designed to convert HDMI signal to standard HDBaseT signal and transmit by Internet cable. It also supports Transfer Bidirectional Infrared control signal together with the HDMI signal, so you can control the Source in the Sink side which is 230 feet outside, also you can control the Sink in the Source side which is 230 feet 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 distance transmission.

UTP cable termination follows the standard of IEEE-568B.

Transmission distance:

70 meters: 1080P @60Hz36bit; 3D1080P@30Hz36bit;

40 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

HDMI Receiver Input/Output Ports: 1x HDMI Female port/1 x CAT, 1x
IR Transmitter/1x IR Receiv

Power Supply: DC 12V 2.5A

ESD Protection Human Body Model: $\pm 8\text{kV}$ (air-gap discharge), $\pm 4\text{kV}$
(contact discharge)

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

Weight: 200g x 2

Operating Temperature: $0^{\circ}\text{C} \sim 40^{\circ}\text{C}$ / $32^{\circ}\text{F} \sim 104^{\circ}\text{F}$

Operating Temperature: $0^{\circ}\text{C} \sim 40^{\circ}\text{C}$ / $32^{\circ}\text{F} \sim 104^{\circ}\text{F}$

Storage Temperature: $-20^{\circ}\text{C} \sim 60^{\circ}\text{C}$ / $-4^{\circ}\text{F} \sim 140^{\circ}\text{F}$

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

Power Consumption (Max): 20W



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