



**Comprehensive**<sup>®</sup>  
Connectivity Company

## **HDMI Extender over Cat5e/Cat6 (HDBaseT)**

### **CHE-HDBT200**

#### **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 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

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Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20 ~ 90% RH (Non-condensing)
Power Consumption (Max)	20W