HDMI Extender over Cat5e/Cat6 (HD BaseT)

HE70C



I. Introduction

The cat5e/cat6 HDMI Extender is a tool which can extend your HDMI signal over 230fts/ 70meters to a compatible display. It is designed to convert HDMI signal to standard HD BaseT signal which can be transmitted by LAN 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 230fts outside, also you can control the Sink in the Source side which is 230fts outside by using the HDMI Extender.

II. Features

☆ POC (Power Over Cable) function is supported, either TX or RX is powered by24V@1A power supply, the another does not need power supply from the DC jack. POC Power consumption is less than 10W.
※ See the description 1

☆ Use single UTP LAN cable (CAT-5E/6) to substitute HDMI cable to achieve long distance transmission.

☆ UTP termination follows the standard of direct interconnection method.

☆ Transmission distance: ※Over CAT6 cable
70 meters: 1080P @60Hz36bit; 3D1080P@30Hz36bit;
40 meters: 1080P @60Hz@48bit; 1080P @120Hz@24bit;
3D1080P@60Hz@36bit; 4K x 2K@30Hz@24bit.

☆ Support display resolutions up to 4K x 2K@30Hz
☆ 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.
※ See the description 2.
☆ Transfer Bidirectional RS232 control signal together with the HDMI signal.
※ See the description 3.

III. Specifications

Technical	
Frequency Bandwidth	297MHz[10.2Gbps]
Transmitter Input/Output	1x HDMI Female port/1xCAT6 1x IR Tx/1x IR Rx/1xPhoenix
Receiver Input/Output Ports	1xHDMI Female port/1xCAT6 1x IR Tx/1x IR Rx/1xPhoenix
Power Supply	DC 24V 1A
ESD Protection	Human Body Model: ± 8kV (air-gap discharge) ± 4kV (contact discharge)
Dimensions (mm)	65(W) X 115 (D) X 17 (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	20W (Max)

IV. Application Example

