

HLHC050G HDMI Single Cat5e/6 Bi-Direction IR and Power over UTP Extender

Product model and standard

HLHC050G HDMI single Cat5e/6 Bi-Direction IR and Power over UTP Extender includes transmitter and receiver. Transmitters combine HDMI video, audio and control signals, then transmit them through single CAT5e cable. Receivers get these signals, separate signals and rebuild video, audio and control ones, output through HDMI interfaces. It also supports bi-direction remote IR (RX->TX and TX->RX), power over UTP, EDID call back, and both input and output HDCP 1.2 compatible. This product can achieve all functions through single CAT5e cable. Extending distance is 50 meters for 1080p 60Hz HD signal.

Main features:

- Extending distance is 170ft (50 meters) at resolutions 1080P 3D or 1920x1200 60fs, and 270ft(80 meters) at 1080i/720P through single CAT5e cable.
- Support audio formats, Dolby True HD, DTS-master, etc.
- Support 3D signals (all 7 formats), such as Frame Packing, Side-by-Side, Top-to-Bottom, etc.
- Supports EDID call back.
- Supports CEC pass through.
- VESA DDC and hot swap technology (HPD).
- Support power over UTP cable, single 12V DC power supply from any side of TX or RX.
- Bi-direction remote IR (RX->TX and TX->RX).
- HDCP 1.2 compatible.
- Compatible DVI 1.0.
- Support cascade to enhance extending distance.
- Industrial metal case, easy to install.

Parameters:

Interface	Transmitters	HDMI input, IR output (3.5mm), IR input (3.5mm),RJ45 Ethernet interface, 12V DC in
	Receivers	HDMI output, IR output (3.5mm), IR input (3.5mm),RJ45 Ethernet interface, 12V DC in
Power	<3.5W TX or <2.5W RX	
Dimension	(L x W x H): 100 x 65 x 26mm	
Net weight	0.2kg per unit	
Video bandwidth	Maximum TMDS clock frequency 165MHz, 4.95Gbps	
Resolution and distance	1080P 170ft (50 meters)-CAT5e/ 270ft (80 meters)-CAT6 720P/1080i 270ft (80 meters)-CAT5e/ 330ft (100 meters)-CAT6	
Audio formats	8-channel, support Dolby True HD and DTS Master	
TMDS input signal	1.2 volts (point to point)	
DDC input signal	5 volts (point to point)	
Indicator	Power-Red, video link-Blue	
HDMI interface standard	HDMI 1.3 standard (HDMI 1.4 3D function), HDCP 1.2, support CEC, EDID	
Remote IR	20KH~60KHz	
ESD level	HBM ±8 kV (Contact Discharge)	
Temperature range	0 ~ 40°C (operation), -20~60°C(stock)	
Compliance	FCC; CE; RoHS	

Packing list

- 1 unit transmitter, 1 unit receiver.
- 1 remote IR blaster (with 1m cable), 1 remote IR receiver (with 1m cable).
- 1 units of DC 12V 1A adapter.
- 223*180*50mm carton packing.

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Phone: 0415 468 731, Email: sales@ultralinks.com.au
Suite 1A Level 2, 802 Pacific Highway, Gordon NSW 2072
www.ultralinks.com.au