

Technical Specifications

TL-TP70-HDIR-LT

Features at a Glance

- 1080p, 3D, 4K@30 compatible
- 70m max distance for 1080p
- 40m max distance for 4K@30
- Single twisted pair transmission (shielded recommended)
- HDMI 1.4, 2.0 / HDCP 1.4, 2.2
- Bi-directional IR
- Diagnostic LEDs
- Single power supply required – powered at the transmitter
- CEC transmission supported
- HDBaseT



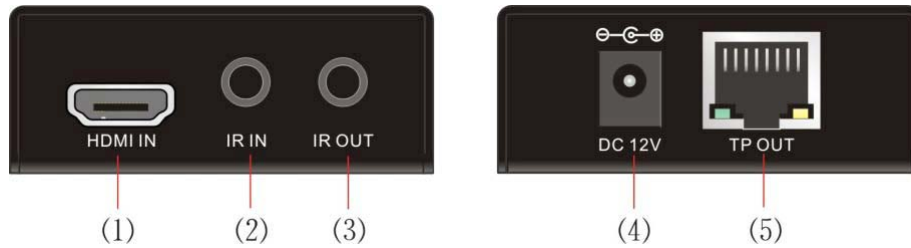
The TL-TP70-HDIR-LT is a cost-effective HDBaseT extender set designed for extending HDMI and bi-directional IR up to 70 meters (230 ft.) over standard twisted pair cabling. As with any HDBaseT extender, shielded twisted pair and shielded connectors are recommended.

The system is designed for PoC (power over cable), allowing both the transmit and receive units to be powered by a single power supply connected to the transmitter.

Specifications

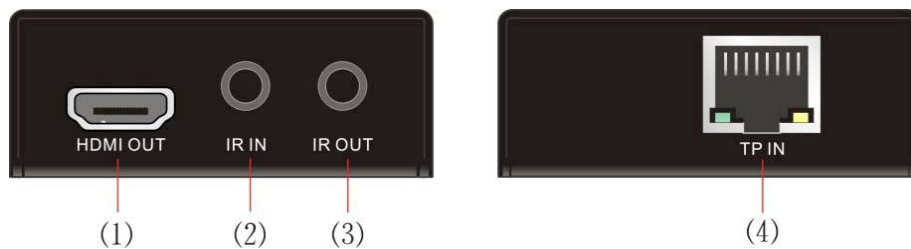
	Transmitter	Receiver
Input		
Input Signals	1 HDMI, 1 IR	1 IR, 1 RJ45
Input Connectors	HDMI female, 3.5 mm mini jack	RJ45, 3.5mm mini jack
Output		
Output Signals	1 HDMI, 1 IR	1 IR, 1 RJ45
Output Connectors	HDMI female, 3.5 mm mini jack	RJ45, 3.5mm mini jack
General		
Video Compliance	HDMI 1.4, HDCP 1.4, HDCP 2.2	
Supported Audio	Up to 7.1 surround (8 channel)	
Resolution Range	800x600@60Hz~4K@30	
Transmission Distance	1080p: 220 ft. (70m); 4K@30: 130 ft. (40m)	
SNR	>70dB@ 100MHz-100M	
Bandwidth	10.2Gbps	
THD	<0.005%@1KHz	
Impedance	75Ω	
Temperature	0 ~ 50°C	
Reference Humidity	10% ~ 90%	
Power Supply	DC 12V, 1A	
Power Consumption	9.6W	
Dimension (W*H*D)	61.6 x 24.3x 120.6 mm	
Weight	0.28Kg	
Included Accessories	Power Supply, IR Emitter, IR Receiver, Mounting Brackets with Screws	

Transmitter Descriptions



- (1) HDMI input
- (2) IR input for transmission to the twisted pair receiver
- (3) IR output for signals sent from the twisted pair receiver
- (4) Power input for both the transmitter and receiver
- (5) Twisted pair output
 - a. Solid green LED: HDCP compliant transmission
 - b. Blinking green LED: non-HDCP compliant transmission
 - c. No green LED: no signal present
 - d. Solid yellow LED: solid connection between the transmitter and receiver
 - e. No yellow LED: no signal present

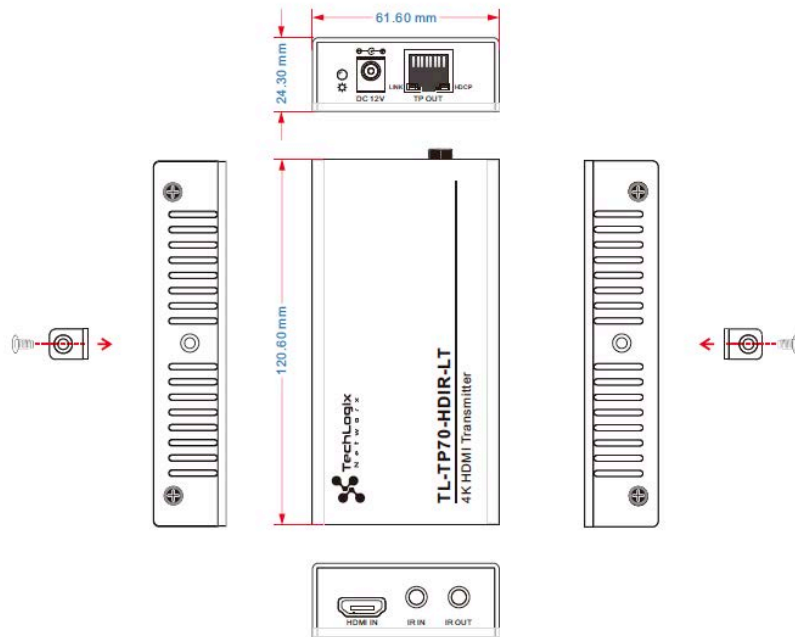
Receiver Descriptions



- (1) HDMI output
- (2) IR input for transmission to the twisted pair transmitter
- (3) IR output for signals sent from the twisted pair transmitter
- (4) Twisted pair input
 - a. Solid green LED: HDCP compliant transmission
 - b. Blinking green LED: non-HDCP compliant transmission
 - c. No green LED: no signal present
 - d. Solid yellow LED: solid connection between the transmitter and receiver
 - e. No yellow LED: no signal present

Panel Drawings

Transmitter



Receiver

