Technical Specifications
TL-TP70-HDIR

Features at a Glance

- HDMI 1.4 supported
- 4K 40m, 1080p 70m transmission
- HDCP 2.2 compliant
- 12V PoC (power from either the TX or the RX)
- ARC supported

The TL-TP70-HDIR is an ultra thin design extender set consisting of a transmitter and a receiver. Using HDBaseT technology, the set transmits a 1080p signal to the receiver up to 70m via a shielded Cat5e/Cat6 cable.   Bi-directional IR communication is included to allow control of an IR source or display. PoC power allows you to connect the power supply at either the transmitter or the receiver to power both units. The set also supports ARC, which enables audio up streaming from display to an audio system using either HDMI or the coax digital output.
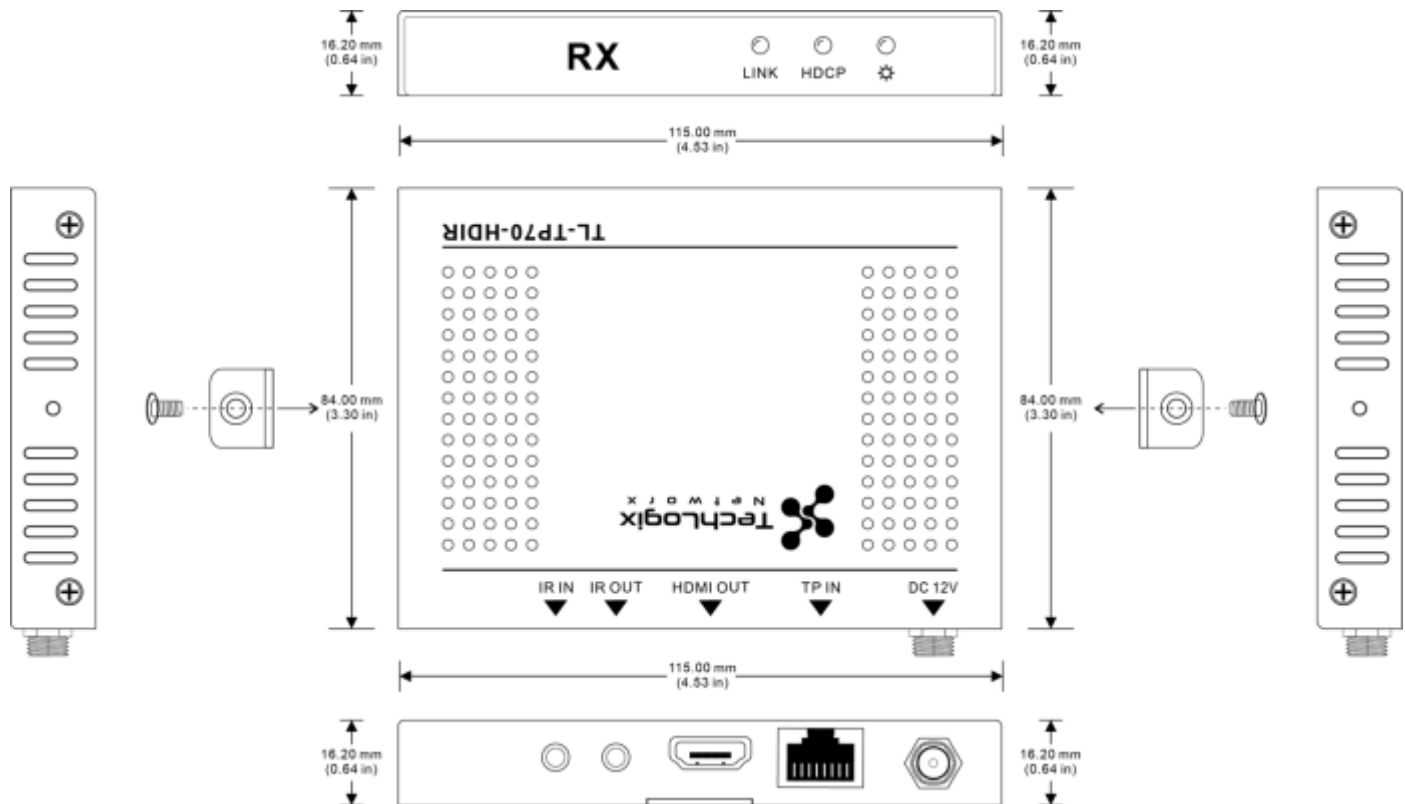
Specifications

I/O Connections	
HDMI	1 HDMI type A connector
HDBT	1 RJ45 connector
IR in	1 3.5mm stereo jack
IR out	1 3.5mm mono jack
ARC audio	1 coaxial RCA connector in transmitter
Power	1 DC 12V connector with locking screw
Supported Audio and Video	
Maximum Video Compatibility	70 m: Deep Color 36/30/24 Bit at 1080p 40 m: Deep Color 48 Bit at 1080p, 3D, 4k x 2k (UHD) 30 Hz: RGB, YCbCr 4:4:4, YCbCr 4:2:2, 60 Hz: YCbCr 4:2:0
Video Compliance	HDMI 1.4, HDCP 2.2
ARC audio	PCM on HDMI (input) or Coax digital output
IR Carrier Frequency Range	33-55kHz at 5 volts
Input Video Signal	0.5-1.0 Vpp
HDBaseT Signal Characteristics	
Maximum Distance	70m
Cable Requirements	Solid core shielded Category 5e, Category 6 or greater with TIA/EIA-568B crimp pattern
Bandwidth	10.2 Gbps

Gain	0 dB – 10 dB at 100 MHz

Chassis and Environmental	
Enclosure	Painted aluminum
Dimensions	115*16*84 mm
Shipping Weight	280g (Tx+Rx)
Operating Temperature (Environment)	0~50℃
Operating Humidity (Environment)	10%-90%
Power, ESD, and Regulatory	
Maximum Power Consumption	0.5W
Power Supply	DC 5V
ESD Protection	15kV
Regulatory	CE, FCC
Other	
Standard Warranty	3 Years
Diagnostic Indicators	Power, link, HDCP
Included Items	Mounting ears, Screws, Plastic cushions, Power Adapter, IR receiver, IR emitter

Dimensional Drawings

Receiver

Transmitter