

Technical Specifications

TL-TP50-HDIR

Features at a Glance

- 1080p, 3D compatible
- Deep color, DTS-HD, Dolby TrueHD compatible
- 50m max distance for 1080p
- Single twisted pair transmission (shielded required)
- HDMI loop output on the transmitter
- HDMI 1.4 / HDCP 1.4
- IR transmission from the display to the source
- Diagnostic LEDs
- Built-in mounting ears
- Two power supplies required
- Built-in EDID copying



The TL-TP50-HDIR is a cost-effective twisted pair extender set designed for extending HDMI and IR up to 50 meters (164 ft.) over shielded twisted pair cabling (shielded connectors are also required). The system transmits IR from the destination (receiver end) to the source (transmitter end), and requires power on both ends. The transmitter features a built-in loop out, allowing a local display to be connected to the system.

Specifications

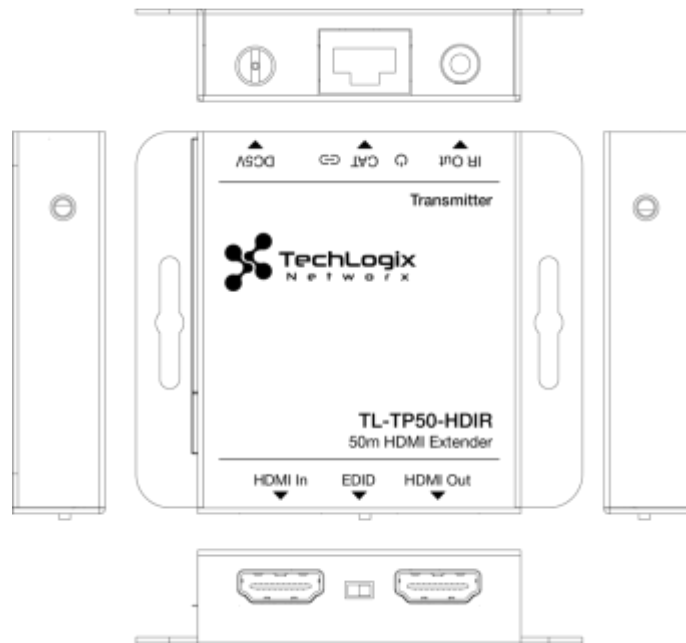
I/O Connections (Transmitter)	
HDMI In	1 HDMI type A connector
HDMI Out	1 HDMI type A connector
TP Out	1 RJ45 connector
IR out	1 3.5mm mono jack
Power	1 DC 5V connector
EDID	1 Two position sliding switch
I/O Connections (Receiver)	
HDMI Out	1 HDMI type A connector
TP In	1 RJ45 connector
IR In	1 3.5mm stereo jack

Power	1 DC 5V connector
EQ	3 Two position sliding switch

Supported Audio and Video	
Maximum Video Compatibility	1080p60
Video Compliance	HDMI 1.4, HDCP 1.4
3D Support	Yes
IR Carrier Frequency Range	Wideband 33-60kHz at 5 volts
Input Video Signal	0.5-1.0 Vpp
Impedance	75 ohms
Signal to Noise Ratio	>70dB @ 100MHz
THD	<0.005% @ 1kHz
Input DDC Signal	5.0 volts/P-P
Extension Signal Characteristics	
Maximum Distance	720p/1080p: 50m
Cable Requirements	Solid core shielded Category 5e, Category 6 or greater with TIA/EIA-568B crimp pattern
Input TMDS Signal	3.3 volts
Bandwidth	4.95 Gbps
Chassis and Environmental	
Enclosure	Painted steel
Dimensions	80*68*18 mm
Shipping Weight	0.55kg / 1.1lbs
Operating Temperature (Environment)	0~50° C
Operating Humidity (Environment)	10%-90%
Power and Regulatory	
Maximum Power Consumption	1.5W per end
Power Supply	DC 5V 1A
ESD Protection	15kV
Regulatory	CE, FCC, RoHS
Other	
Standard Warranty	3 Years
Diagnostic Indicators	Power, Link
Included Items	Transmitter, Receiver, [2] Power Supplies, IR Receiver, IR Emitter

Panel Drawings

Transmitter



Receiver

