



LBC-HDBT-T/R-48

Link Bridge™ HDBaseT HDMI Transmission with 48V POH Over 100m



FEATURES

- Extend HDMI Signals up to 100 meters Over One CAT 5e/6 Cable
- Supports Full HDTV Video Resolutions up to 4K2K @ 30Hz
- Fully Uncompressed Video & Audio Provides Zero Loss of Quality
- Supports True DDC/EDID/HDCP Transmission
- Video/Audio + IR + Data + Ethernet, Over 1 CAT 5e/6 Cable
- 48V PoH with PSE/TX and PD/RX
- HDMI 1.4 and HDCP 2.2 compliant
- Supports both RS232 and IR Control Data



DOING MORE WITH ONE CABLE



VIDEO/AUDIO SPECIFICATIONS

HDMI	Version 1.4 with 3D, 4K×2K support
Video Resolution	Up to 4K2K @ 30Hz
Protocol	DDC/EDID Capable, HDCP 2:2
Video Bandwidth	300MHz / 10.2Gbps
Audio Formats	Supports up to 7.1CH & Dolby TrueHD, DTS-HD Master Audio
Audio Sampling Rate	32KHz to 192KHz
HDMI/Audio Connector	HDMI Female plug

DATA

Serial Control	RS232
Data Rate	Up to 57.6Kbaud
Connector	DB9 Serial

IR

Data Rate	30 - 50KHz
In/Out Connectors	3.5mm Stereo

ETHERNET

Ethernet Speed	100 Mbps
Lan Connector	RJ45

ORDERING INFORMATION

LBC-HDBT-T-48	Transmitter, 1 CAT-5e/6, 48V POH, 100m
LBC-HDBT-R-48	Receiver, 1 CAT-5e/6, 48V POH, 100m

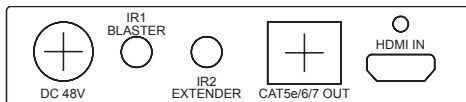
HDBT TRANSMISSION

Cable Type	CAT 5e/6 or higher
Number of Cables	1
Connector/ Distance	RJ-45 / Up to 100m

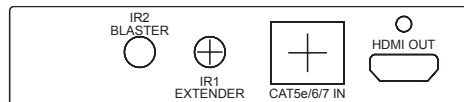
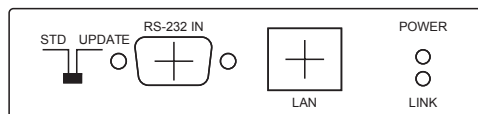
PHYSICAL

Dimensions	
Standalone	4.25" (W) x 4.57" (D) x 1.14" (H)
Power Consumption	+48VDC @ 0.9 Amps (Max.)
Operating Temperature	0 to +40°C
Humidity	20 to 90% RH, Non-Condensing

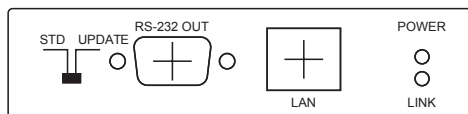
PANEL DRAWINGS



TX



RX



DOING MORE WITH ONE CABLE



HDCP

4K
ULTRA HD