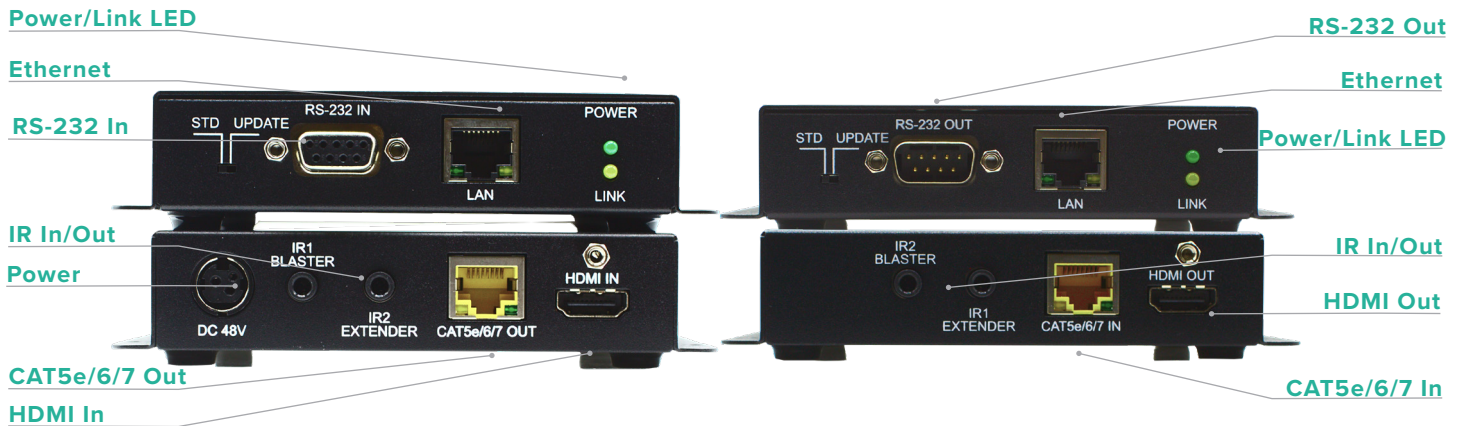


LinkBridge™ HDBaseT HDMI 5-Play Transmitter & Receiver with 48V PoH (up to 100m)

LBC-HDBT-T-48 / LBC-HDBT-R-48



OVERVIEW

This HDBaseT HDMI 5-Play Transmission System is capable of extending UHD video, audio, Ethernet and control over a single run of CAT5e/6/7 cable over distances up to 60 meters*. This extender complies with HDCP 2.2 and 9G HDMI Standards and supports legacy HDCP 1.x and HDIO 1.x standards. It also supports 4K UHD HDMI video sources up to and including 4K2K@30Hz. Multiple data and control interfaces are also able to be extended with IR and RS-232 connections. This unit supports bi-directional 48V PoH (Power over HDBaseT) allowing systems to be completely powered by, or provide power to, a compatible connected Receiver, allowing for greater flexibility within different installation scenarios.

* CAT6a/7 cable recommended to ensure maximum distance.

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 and 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
- 9G HDMI and HDCP 2.2 compliant
- Supports both RS-232 and IR control data

VIDEO/AUDIO SPECIFICATIONS

HDMI	Version 1.4 with 3D, 4Kx2K 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	RS-232
Data Rate	Up to 115.2Kbaud
Connector	DB9 Serial

IR

IR Frequency	30-50KHz
In/Out Connectors	3.5mm Stereo

HDBASE-T 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	+48V DC, 0.9 Amps (Max)
Operating Temperature	0 to 40°C
Humidity	20 to 90% RH, Non-Condensing

CERTIFICATIONS

FCC, CE

GREEN COMPLIANCE

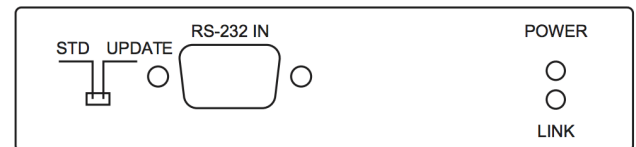
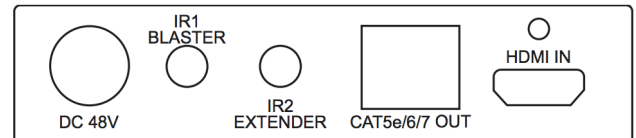
RoHS

ORDER INFORMATION

LBC-HDBT-T-48	HDBaseT HDMI 5-Play Transmitter with 48V PoH (up to 100m)
LBC-HDBT-R-48	HDBaseT HDMI 5-Play Receiver with 48V PoH (up to 100m)

PANEL DRAWING

LBC-HDBT-T-48-LITE



LBC-HDBT-R-48-LITE

