

LinkBridge™ HDBaseT 9G HDMI 7-Play Transmitter & Receiver with 48V PoH (up to 100m)

LBC-HDBT2-T-48

CAT5e/6 Out

48V DC Power

Audio In (L/R)

Power LED

IR In/Out

USB 2.0

RS-232 In



HDMI In

ARC Switch

Optical Out

Ethernet

LBC-HDBT2-R-48

CAT5e/6 In

Power LED

Audio Out (L/R)

IR In/Out

USB 2.0

RS-232 In

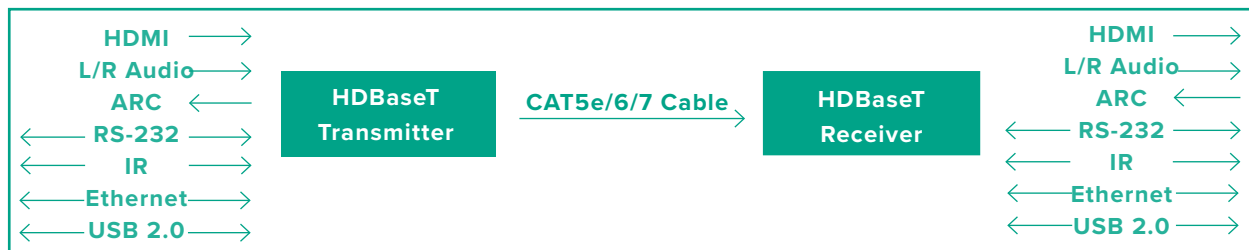


HDMI Out

ARC Switch

Optical In

Ethernet



OVERVIEW

This HDBaseT HDMI 7-Play Transmission System is capable of extending UHD video and audio and control over a single run of CAT5e/6/7 cable over distances up to 100 meters*. This extender complies with HDCP 2.2 and 9G HDMI Standards and supports legacy HDCP 1.x and HDMI 1.x standards. It also supports 4K UHD HDMI video sources up to 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+USB+ARC, over 1 CAT 5e/6 cable
- Supports 48V from transmitter (PSE) to receiver (PD)
- 9G HDMI and HDCP 2.2 compliant
- Supports both RS-232 and IR control data
- Supports USB 2.0

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
Audio Return Channel	Available

DATA

Serial Control	RS-232
Data Rate	Up to 115.2Kbaud
Connector	Terminal Block

IR

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

ETHERNET

Ethernet Speed	10/100 Mbps
LAN Connector	RJ-45

HDBASE-T TRANSMISSION

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

USB

Data Rate	USB 2.0
Connector	USB Mini B (Tx) USB Type A (Rx)
Channel Count	TX (1), RX (2)

PHYSICAL

Dimensions Standalone	7.09"(W) x 3.15"(D) x 0.63"(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-HDBT2-T-48	HDBaseT 9G HDMI 7-Play Transmitter with 48V PoC
LBC-HDBT2-R-48	HDBaseT 9G HDMI 7-Play Receiver with 48V PoC

PANEL DRAWING

