

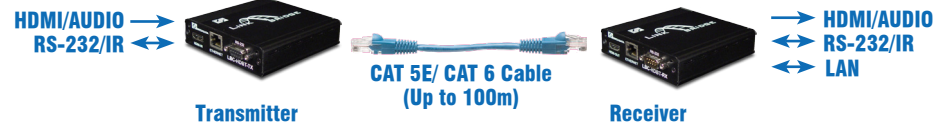
LINK BRIDGE™

LBC-HDBT-TX/RX



Link Bridge™ HDBaseT HDMI Transmission Systems

HDBT™ Application Diagram



Stand-Alone (Tx & Rx Pair)

VIDEO/ AUDIO SPECIFICATIONS

HDMI	Version 1.4 with 3D, 4k×2k support
Video Resolution	Up to 4K2K@30Hz
Protocol	DDC/EDID/HDCP Capable
Video Bandwidth	300MHz / 10.2Gbps
Audio Operating Mode	Stereo Audio
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 Control	Infrared
Data Rate	30 - 50KHz
In/Out Connectors	3.5mm Stereo
Ethernet Speed	100 Mbps
LAN Connector	RJ45

PHYSICAL

<i>Dimensions</i>	
Standalone	4.03"(W) x 3.95"(D) x 0.98"(H)
Power Consumption	+24VDC @ 1.25 Amps (Max.)
Operating Temperature	0 to +40°C
Humidity	20 to 90% RH, Non-Condensing

ORDERING INFORMATION

LBC-HDBT-T, HDBT Transmitter, 1 CAT 5e/6

LBC-HDBT-R, HDBT Receiver, 1 CAT 5e/6

Add -CH for LB-CH Chassis mounting kit
 Add -UPS for International Universal Power Supply

FEATURES

- Extend HDMI Signals up to 100 meters Over One CAT 5e/6 Cable
- Ultra HD (4K2K) and HDTV video resolutions up to 720p/1080i/1080p@60Hz
- Fully Uncompressed Video & Audio Provides Zero Loss of Quality
- Supports True DDC/EDID/HDCP Transmission Over One Ethernet Cable
- Video/Audio + IR + Data, Over 1 CAT 5e/6 Cable
- Bi-directional PoC (Power over Cable)
- Supports both RS232 and IR Control Data

HDBT TRANSMISSION

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

DOING MORE WITH ONE CABLE

