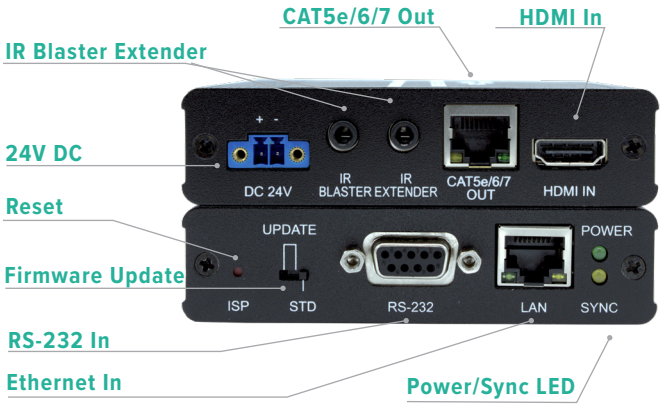
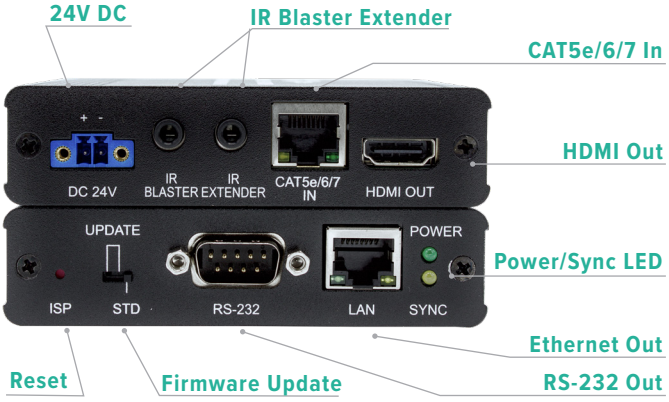
LinkBridge™ HDBaseT 18G/4K HDR HDMI 5-Play AVLC Transmitter & Receiver with 24V Bi-Directional PoC (up to 100m)

LBC-H2V-T-5P



LBC-H2V-R-5P



OVERVIEW

The LBC-H2V-T/R-5P is capable of extending UHD video and audio as well as Ethernet and control via a single run of CAT56a/7 cable over distances of up to 100 meters*. This extender complies with HDCP 2.2 and HDMI 2.0 standards, as well as supporting legacy HDCP 1.x and HDMI 1.x standards. In addition 4K UHD HDMI video sources, up to and including 4K@60Hz (4:4:4, 8-bit) as well as 10/12-bit sources with HDR, are able to be processed and extended by the use of AVLC (Adaptive Visually Lossless Compression) all while staying within HDBaseT's 10.2Gbps bandwidth specification. Multiple data and control interfaces are also able to be extended, including IR, RS-232, and LAN connections.

This unit supports bi-directional 24V PoC (Power over Cable) allowing the system 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

- HDMI with HDR, 3D & 4K@60Hz support, DVI 1.0 compatible
- HDCP 1.x and HDCP 2.2 compliant
- Supports up to 4K UHD (18Gbps, 4K@50/60Hz 4:4:4, 8-bit) video input and output
- Supports Deep Color input and output up to 12-bit
- Supports 10-bit and 12-bit HDR (High Dynamic Range) input/output
- Supports CEC bypass
- HDBaseT feature support: HD Video and Audio, 100BaseT Ethernet, 24V PoC and Control (bi-directional IR/RS-232 pass-through)
- HDBaseT input receives video, audio and data over a single Cat5e/6/7 cable and can reach distances up to 100m/328ft at 4K when using Cat6a/7
- Integrated AVLC (Adaptive Visually Lossless Compression) activates when the bandwidth requirements of the source are beyond 10.2Gbps (340MHz) allowing for support of sources up to 18Gbps (600MHz) with no loss of visual quality
- Supports pass-through of many audio formats including LPCM 2.0/5.1/7.1, Bitstream, and HD Bitstream
- Bi-directional 24V PoC allows the unit to be powered by, or provide power to, a compatible connected Transmitter/Receiver

VIDEO INPUT (TX)

Video Formats	HDMI
Connector	HDMI type A jack

VIDEO OUTPUT (RX)

Video Formats	HDMI
Connector	HDMI type A jack

SERIAL DATA (TX/RX)

Channel Capacity	1 bi-directional
Signal Format	RS-232
Data Rate	115,200 baud max
Connector	DB-9

IR (TX/RX)

Channel Capacity	1 bi-directional
Data Rate	30-50KHz
Connector	3.5mm Jack

ETHERNET (TX/RX)

Channel Capacity	1
Ethernet Speed	100Mbps
Connector	RJ-45 Jack

STATUS LED INDICATORS (TX/RX)

Power	Indicates input power present
Sync	Indicates live input source is present

HDBASE-T TRANSMISSION

Cable Type	CAT-5e/6/7
Number of Cables	1
Connector	RJ-45
Distance	

70m, 4k60; 4:4:4, 8-bit with CAT 6a/7
100m, 1080p with CAT 5e/6a/7

PHYSICAL

Dimensions	4.01"(W) x 4.53"(D) x 0.98"(H)
Power Consumption	24V DC, 1.25A
Power Connector	2-pin Terminal Block
Operating Temperature	0 to 40°C
Humidity	20 to 90% RH, Non-Condensing

CERTIFICATIONS

CE, FCC

GREEN COMPLIANCE

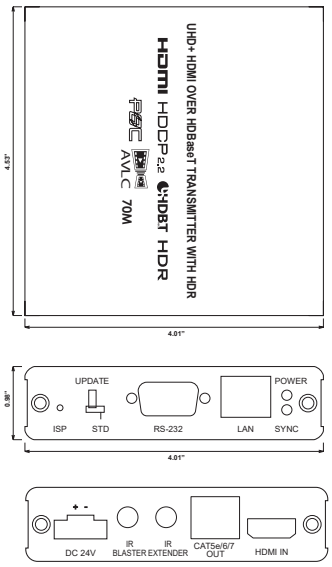
RoHS

ORDER INFORMATION

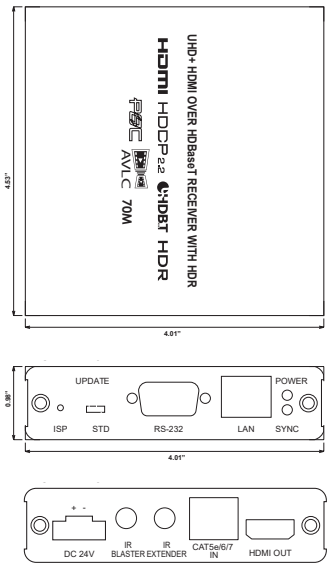
LBC-H2V-T-5P	Link Bridge HDBaseT 18G/4K HDR HDMI 5-Play AVLC Transmitter with 24V Bi-PoC
LBC-H2V-R-5P	Link Bridge HDBaseT 18G/4K HDR HDMI 5-Play AVLC Receiver with 24V Bi-PoC
Included Accessories	24 VDC Power Adapter IR Blaster Cable IR Extender Cable

PANEL DRAWING

LBC-H2V-T-5P



LBC-H2V-R-5P



2545 WEST 237th ST
TORRANCE, CA 90505

BROADATA COMMUNICATIONS, INC.

800.214.0222
www.BROADATACOM.COM

©2019, Broadatacom Communications, Inc. Features and Specificationssubject to change without notice. All trademarks are property of their respective owners. 112219