



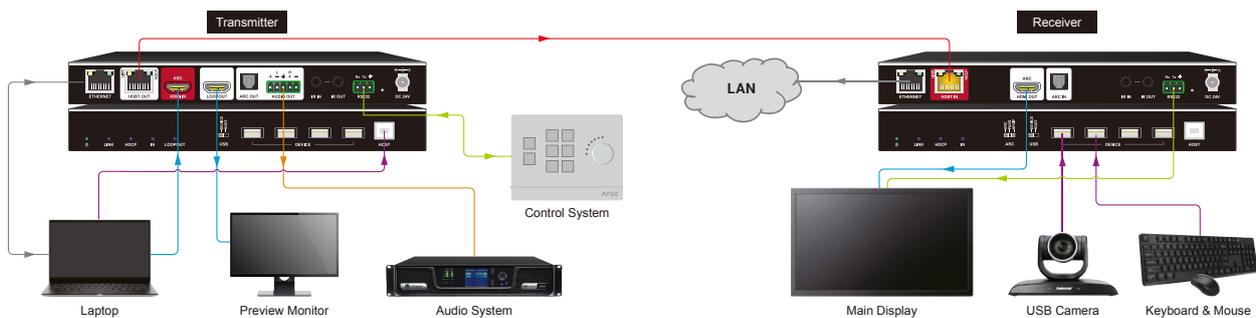
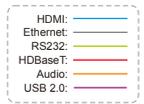
EXT-H102UETH-HDBT

HDMI 2.0 EXTENDER OVER HDBASET 3.0 WITH USB 2.0

The EXT-H102UETH-HDBT from TiGHT AV is a high-performance HDBaseT 3.0 extender set for un-compressed 4K60Hz 4:4:4 HDMI, USB 2.0, Ethernet, RS-232 and IR signals.

The EXT-H102UETH-HDBT supports and can extend HDMI 2.0b, HDCP 2.3 and HDR video up to 100m over a single Category 6A solid core cable. HDBaseT 3.0 standard allows for fully un-compressed 18G HDMI signal, 1G Ethernet and improved USB2.0 bandwidth to be extended. Support for bi-directional PoC allows for easy installation by applying power to either the transmitter or the receiver.

This extender set is ideal for various applications like conference rooms, education and anywhere where high-quality video, Gigabit Ethernet and/or USB2.0 extension is required.



KEY FEATURES

- HDBaseT 3.0 technology which supports extending HDMI 2.0 without compression.
- Supports HDMI 2.0b, 4K@60 4:4:4, HDR10, Dolby Vision, HDCP 2.3.
- Extends up to 4K60 4:4:4 video signals up to 100 meters over a single CAT6A cable.
- Supports Bi-directional IR and RS232 pass-through control.
- Flexible USB 2.0 Extension - Transmitter or receiver side can be set as Host/Device.
- Supports Gigabit full duplex Ethernet extension from either transmitter or receiver.
- Supports audio de-embedding on a balanced analog output on transmitter.
- Supports ARC (Audio Return Channel), and features a HDMI loop out on transmitter.
- Supports bi-directional 24V PoC.

TiGHT POLICY

Faulty product - minimal down time.
Up until six months after purchase, TiGHT AV will replace your product in advance of return of faulty product.

Your investment - built to last.
All TiGHT AV products come with a five year limited warranty.

5 YEAR LIMITED WARRANTY + **6** MONTH ADVANCE REPLACEMENT



SPECIFICATIONS

VIDEO	Transmitter	Receiver
Input:	(1)HDMI IN	(1)HDMI IN
Input Connector:	(1) Type-A female HDMI 2.0b	(1) R.J45
Input Resolution:	Up to 4K@60Hz 4:4:4	Up to 4K@60Hz 4:4:4
Output :	(1) HDBT OUT, (1) LOOP OUT	(1) DISPLAY
Output Connector:	(1) R.J45 (1) Type-A female HDMI	(1) Type-A female HDMI
Output Resolution:	Up to 4K@60Hz 4:4:4	Up to 4K@60Hz 4:4:4

AUDIO

Input:	-	(1) ARC IN
Input Connector:	-	(1) Toslink Connector
Output:	(1) ARC OUT (1) ANALOG AUDIO OUT	-
Output Connector:	(1) Toslink connector (1) 5-pin terminal block	-
Audio Format:	Toslink (ARC): PCM, Dolby Digital, DTS 5.1 CH 5-pin terminal block: PCM 2CH	
Frequency Response:	20Hz ~ 20KHz, ±3dB	
Max Output Level:	2.0Vrms ± 0.5dB. 2V = 16dB headroom above -10dBV (316mV) nominal consumer line level signal	
THD+N:	< 0.05% (-80dB), 20Hz~20KHz bandwidth, 1kHz sine at 0dBFS level (or max level)	
SNR:	> 85dB, 20Hz-20kHz bandwidth	
Crosstalk Isolation:	> 70dB, 10kHz sine at 0dBFS lvl (or max lvl before clipping)	
L-R Level Deviation:	< 0.3dB, 1kHz sine at 0dBFS lvl (or max lvl before clipping)	
Frequency Response Deviation	< ± 0.5dB, 20Hz – 20kHz	
Output Load Capability	1KΩ and higher (Supports 10x paralleled 10KΩ loads)	
Stereo Channel Separation	> 70dB@1KHz	
L-R Level Deviation:	< 0.3dB, 1kHz sine at 0dBFS lvl (or max lvl before clipping)	

CONTROL	Transmitter	Receiver
Control Part:	(4) DEVICE USB (1) HOST USB (1) USB Switch (1) IR IN (1) IR OUT (1) RS232 (1) ETHERNET	(4) DEVICE USB (1) HOST USB (1) ARC Switch (1) USB Switch (1) IR IN (1) IR OUT (1) RS232 (1) ETHERNET
Control Connector:	(4) Type-A USB 2.0 (1) Type-B USB 2.0 (1) 2-pin DIP Switch (2) 3.5mm Jacks (1) 3-pin Terminal Block (1) RJ45	(4) Type-A USB 2.0 (1) Type-B USB 2.0 (1) 3-pin DIP Switch (1) 2-pin DIP Switch (2) 3.5mm Jacks (1) 3-pin Terminal Block (1) RJ45

GENERAL

HDCP Version:	Input: HDCP 2.3, HDCP 2.2, HDCP 1.4 compliant Loopout: Follows the display's HDCP version. RX Output: Follows the source's HDCP version.
CEC:	Pass-through (when ARC switch is selected to PASS or SPDIF)
Bi-directional PoC:	Supported
HDMI 2.0 Cable Length:	4K@60Hz 4:4:4 ≤ 5m, 4K@60Hz 4:2:0 ≤ 15m, 1080P ≤ 20m
Transmission Distance:	4K/1080p ≤ 100 meters (using solid core CAT6A cable)
Operation Temperature:	-5°C to +55°C
Storage Temperature:	-25°C to +70°C
Relative Humidity:	10% to 90%, non-condensing
Power Supply:	Input: 100V~240V AC; Output: 24V DC 1.25A
Power Consumption:	17 W(Max)
Dimensions (W*H*D):	212 mm x 25 mm x 100 mm
Net Weight:	570g (TX), 555g (RX)

PACKAGE LIST

1 x EXT-H102UETH-HDBT Transmitter	8 x Plastic Cushions
1 x EXT-H102UETH-HDBT Receiver	1 x 5-Pin Terminal block
1 x Power Adapter (24VDC, 1.25A)	2 x 3-Pin Terminal block
4 x Mounting Ears with 4 x Screws	1 x User Manual

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