BAD A** EXTENDER

100M HDBASET TX/RX WITH BI-DIRECTIONAL POWER, RS-232, IR, ETHERNET, AUDIO EXTRACTION AND EDID MANAGEMENT

AC-EX100-UHD

HDR

COMPREHENSIVE FEATURES = EASIER IMPLEMENTATION

The AC-EX100-UHD is a 100m HDBaseT Tx/Rx with Bi-Directional Power, RS-232, IR, Ethernet, Audio Extraction and EDID Management.
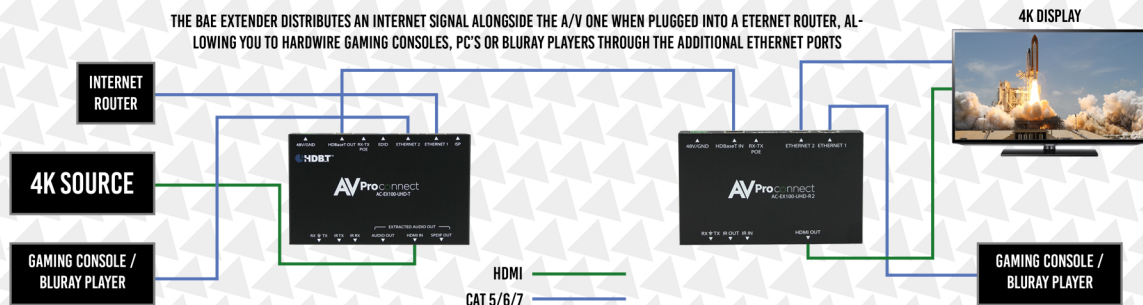
This long range HDMI 2.0 Extender(100m-1080p, 70m-4K UHD) is unrivaled when taking into account features it comes with. These extenders are designed to be true problem solvers. When the situation requires more power, distance, added Ethernet and reverse power or control, the B.A.E has it covered. Using the most powerful HDBaseT technology on the market, this product is sure be a robust long lasting part of your infrastructure.

THE B.A.E FEATURES ADVANCED FUNCTIONS LIKE

Bi directional power - Power the transmitter from the receiver or the receiver from the transmitter, wither way only one power supply is required.
Ethernet Hub - The transmitter and receivers have Ethernet ports acting as a bi directional Ethernet hub.
Audio Extraction - Extract audio from the transmitter with the on board SPDIF and Balanced 2-channel ports.
EDID Management - Select from preloaded EDID's so you can have total control over the active source.

B.A.E EXTENDER CONNECTION

THE BAE EXTENDER DISTRIBUTES AN INTERNET SIGNAL ALONGSIDE THE A/V ONE WHEN PLUGGED INTO A ETERNET ROUTER, ALLOWING YOU TO HARDWIRE GAMING CONSOLES, PC'S OR BLURAY PLAYERS THROUGH THE ADDITIONAL ETHERNET PORTS

INTERNET ROUTER

4K SOURCE

GAMING CONSOLE / BLURAY PLAYER

4K DISPLAY

GAMING CONSOLE / BLURAY PLAYER

HDMI
CAT 5/6/7

877-886-5112 | +1 605-782-2462   WWW.AVPROCONNECT.COM

CAT 5/6/7

SOURCE

HDMI

DIGITAL SPDIF OUT

BALANCED ANALOG OUT

AUDIO RECEIVER

DISPLAY/ PROJECTOR/

HDMI

KEY BENEFITS OF USING AC-EX100-UHD:

1) ULTRA HIGH DEFINITION: The length of manufactured HDMI cable is unchangeable after it is made and they are unreliable after about 25FT. Additionally, HDMI connectors can only be terminated in specialized factory environment due to its extremely high frequencies and high density. This does not allow installers or users to remake or make cables on a DIY basis. CAT-5E/6A cables are available widely and can be reworked easily by the installer or end-user. Our AC-EX100-UHD supports 4K up to 70M (230ft) with crystal clear 4K Resolution & 100M (330ft) on 1080P

2) DISTANCE: By using AC-EX100-UHD, the transmission distance for HD 1080P is 100 meters (330ft) & 4K is up to 70 meters (230ft)

3) EDID MANAGEMENT: Control the source device with EDID management. With the multitude of sources out there, this feature allows you to fix a known good EDID so the source device knows what to output.... every time.

4) CONTROL: IR & RS-232 are bidirectional and can control the sources from the sinks or vice versa. This allows unlimited flexibility when controlling sinks, and sources. Control the rack or source and the display or sink over the same single wire.

5) BI DIRECTIONAL POWER: Ultra stable bi directional PoE allows you to really be flexible as you can choose where you want to power. Eliminate power supplies at the rack and power the Tx remotely from the display (Rx) end.

6) AUDIO EXTRACTION: The Tx on the pair had audio outputs for PCM audio - You have balanced 2-channel and SPDIF outputs to run audio directly into a local AVR or even more common, use the 2-channel audio to go into a distributed audio amplifier/matrix.

7) I-PASS: Plug you Control System emitter ports directly into the IR port on the transmitter (via mono 3.5mm cable) for clean and reliable IR pass through, our unique VPC (Voltage Protection Circuit) allows you to do this without wear and tear on the sensitive electronics inside.

AC-EX100-UHD	
Video Resolutions	Up to 4K60 4:2:0 & 4K30 4:4:4
VESA Resolutions	Up to 2560x2048 (QSXGA)
HDR Resolutions	4K24 4:2:2 12 bit, 4K24 4:2:0 10 bit
Color Space	YUV, RGB (CSC: Rec. 601, Rec. 709, BT2020,
Chroma Subsampling	4:4:4, 4:2:2, 4:2:0 Supported
Deep Color	Up to 12 bit w/ 4K
Audio Formats Supported	PCM 2.0 Ch, LPCM 5.1 & 7.1, Dolby Digtal, DTS 5.1, Dolby Digital Plus, Dolby TrueHD, DTS-HD Master Audio, Dolby Atmos
Distance 1080P	100M (330 Feet)
Distance 4K & HDR	70M (230 Feet) (With CAT6a/7)
Bandwidth	10.2 Gbps
CEC	Yes
HDCP	HDCP 2.2 and Earlier
Operating Temprature	23 to 95 °F (-5 to 35°C)
Storage Temperature	-4 to 140°F (-20 to 60°C)
Humidity Range	5-90% RH (No Condensation)
Power Consumption	15.4 Watts
Power Supply	Input: AC 100-240V ~ 50/60Hz Output: DC 48V .5A (Wall Version) Output: DC 48V .625A 92-piece (Table Top Version)
Dimensions (Unit Only) Height/Depth/Width	mm: 25 x 85 x 138 (Tx & Rx ea) inch: 1 x 3.35 x 5.43 (Tx & Rx ea)
Weight (Unit)	.3lbs/.14kg (Tx & Rx ea)
Weight (Packaged)	.8lbs/.36kg (Tx & Rx ea)
Specifications subject to change without notice. Mass & dimensions are approximate	