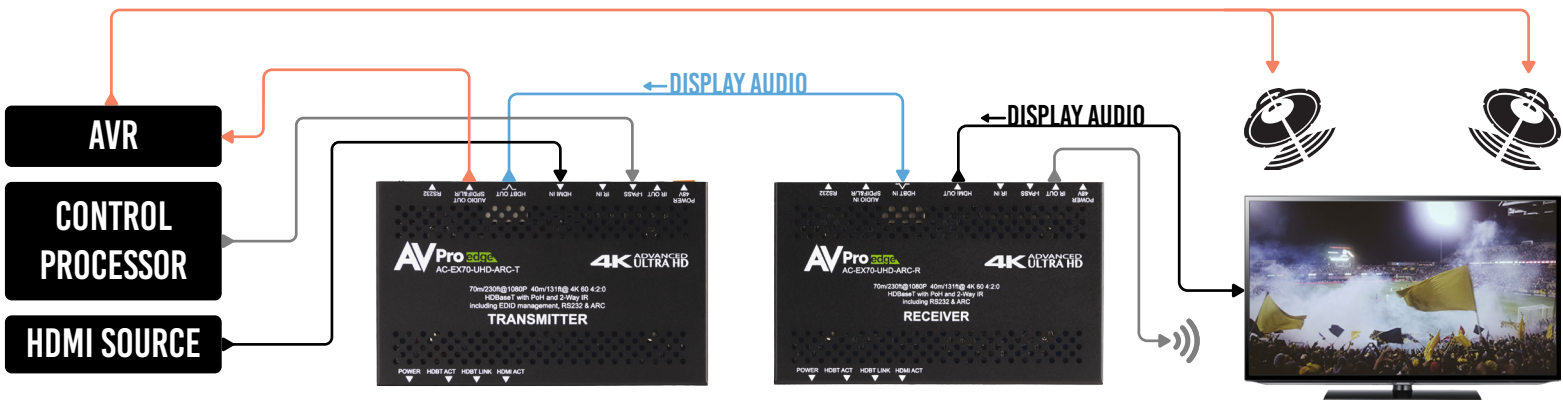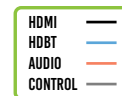# AVPro edge

10.2Gbps 70M HDMI via HDBaseT Extender Kit with ARC

AC-EX70-UHD-ARC-KIT

THE AC-EX70-UHD-ARC CONSISTS OF A TRANSMITTER AND RECEIVER THAT CONNECT VIA SINGLE CAT-5E/6A/7 UTP/STP. CONNECTING AN HDMI SIGNAL TO THE TRANSMITTER ALLOWS YOU TO SEND A SIGNAL 70 METERS WHILE MAINTAINING FULL 4K VIDEO. AVPRO EDGE USES HDBASET TECHNOLOGY TO SEND 4K SIGNALS LONG DISTANCES TO DELIVER VIDEO ANYWHERE IN YOUR INSTALLATION AND SEND THE LOCAL AUDIO SIGNAL BACK TO YOUR RACK WITH THE ARC FEATURE.

This AVPro Edge audio video extender is the most cost-effective, state of the art, and reliable single CAT 70-meter extender on the market today. It solves commercial and residential market problems for distributing high-value 4K UHD content from rack to display with the additional ability to send an audio signal bi-directionally through HDMI's Audio Return Channel (ARC).

AVPro edge
AC-EX70-UHD-ARC

CONNECTION DIAGRAM

HDMI	——
HDBT	——
AUDIO	——
CONTROL	——

AVR

CONTROL PROCESSOR

HDMI SOURCE

← DISPLAY AUDIO

← DISPLAY AUDIO

TRANSMITTER
AC-EX70-UHD-ARC-T

RECEIVER
AC-EX70-UHD-ARC-R

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VIDEO	
VIDEO RESOLUTIONS	UP TO 4K 60HZ 4:2:0 & 4K30 4:4:4
VESA RESOLUTIONS	UP TO DCI 4K (4096X2160)
COLOR SPACE	YUV (COMPONENT), RGB (CSC: REC. 601, REC. 709, BT2020, DCI, P3 D6500)
CHROMA SUBSAMPLING	4:4:4, 4:2:2, 4:2:0 SUPPORTED
DEEP COLOR	UP TO 16 BIT (1080) UP TO 12 BIT (4K)
AUDIO	
AUDIO FORMATS SUPPORTED HDMI	PCM 2.0 CH, LPCM 5.1 & 7.1, DOLBY DIGTAL, DTS 5.1, DOLBY DIGITAL PLUS, DOLBY TRUEHD, DTS-HD MASTER AUDIO, DTS-X, DOLBY ATMOS
ARC SUPPORT	YES
DISTANCE	
HDBASET DISTANCE (4K 60 4:2:0)	40 METERS (131 FEET) (CAT 6A)
HDBASET DISTANCE (FULL HD)	70 METERS (230 FEET) (CAT 6A)
HDMI LEAD IN/OUT	UP TO 50 FEET (USING BULLET TRAIN HDMI)
HDMI LEAD IN/OUT (W/ AOC CABLE)	UP TO 130 FEET (USING BULLET TRAIN AOC)
OTHER	
BANDWIDTH	10.2 G$_{BPS}$
CEC	YES
HDCP	HDCP 2.2 AND EARLIER
PORTS	
HDMI	TYPE A
HDBASET	RJ45 W/ POH FOR HDBASET RECEIVERS
IR	3.5MM
AUDIO INPUT/OUTPUT (RX/TX)	3.5MM STEREO / MINI TOSLINK
RS232	3 PIN TERMINAL BLOCK
POWER (TX & RX)	2 PIN TERMINAL BLOCK
ENVIRONMENTAL	
OPERATING TEMPERATURE	23 TO 125°F (-5 TO 51°C)
STORAGE TEMPERATURE	-4 TO 140°F (-20 TO 60°C)
HUMIDITY RANGE	5-90% RH (NO CONDENSATION)
POWER	
POWER CONSUMPTION (TOTAL)	9 WATTS MAX
POWER SUPPLY	INPUT: AC 100-240V ~ 50/60HZ OUTPUT: DC 48V 2A
DIMENSIONS	
DIMENSIONS - UNIT ONLY (HEIGHT/DEPTH/WIDTH)	MM: 11.7 X 75.2 X 122 INCH: 0.46 X 2.96 X 4.8
DIMENSIONS - PACKAGED (HEIGHT/DEPTH/WIDTH)	MM: 203 X 165 X 91 INCH: 8 X 6.5 X 3.6
WEIGHT (UNIT)	0.35 LBS (0.16 KG)
WEIGHT (PACKAGED)	0.6 LBS (0.27 KG)

*SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE. MASS & DIMENSIONS ARE APPROXIMATE.

FULL FEATURE SET

- HDMI 2.0
- 4K60 4:2:0, 4K30 4:4:4
- HDR Support up to 4:2:2 12 Bit
- Ultra Slim (.47 inch/12mm)
- Supports 3D
- HDCP 2.2 & Earlier
- CEC Pass-Through
- 70M (230ft) on 1080P (Cat6a)
- Up to 40m (131ft) on 4K (Cat6a)
- 48v PoH (Power Over HDBaseT, only one Power Supply Needed)
- I-Pass Feature for control system "pass-through"
- 3-20v protection circuit built-in for safe IR transport
- Bi-Directional RS232 Transport
- LED Status, Link, Power indication lights
- Use single UTP/STP LAN cable (CAT-5E/6A) with substitute HDMI cable to achieve long-distance transmission.
- Supports uncompressed PCM 2- Ch., LPCM 5.1 & 7.1, Dolby Digital, DTS, Dolby TrueHD, DTS HD-Master Audio, Atmos on HDMI
- ESD protection circuitry (Inputs & Outputs) to 7KV
- Can Cascade

BOX CONTENTS: