



# AVPro edge

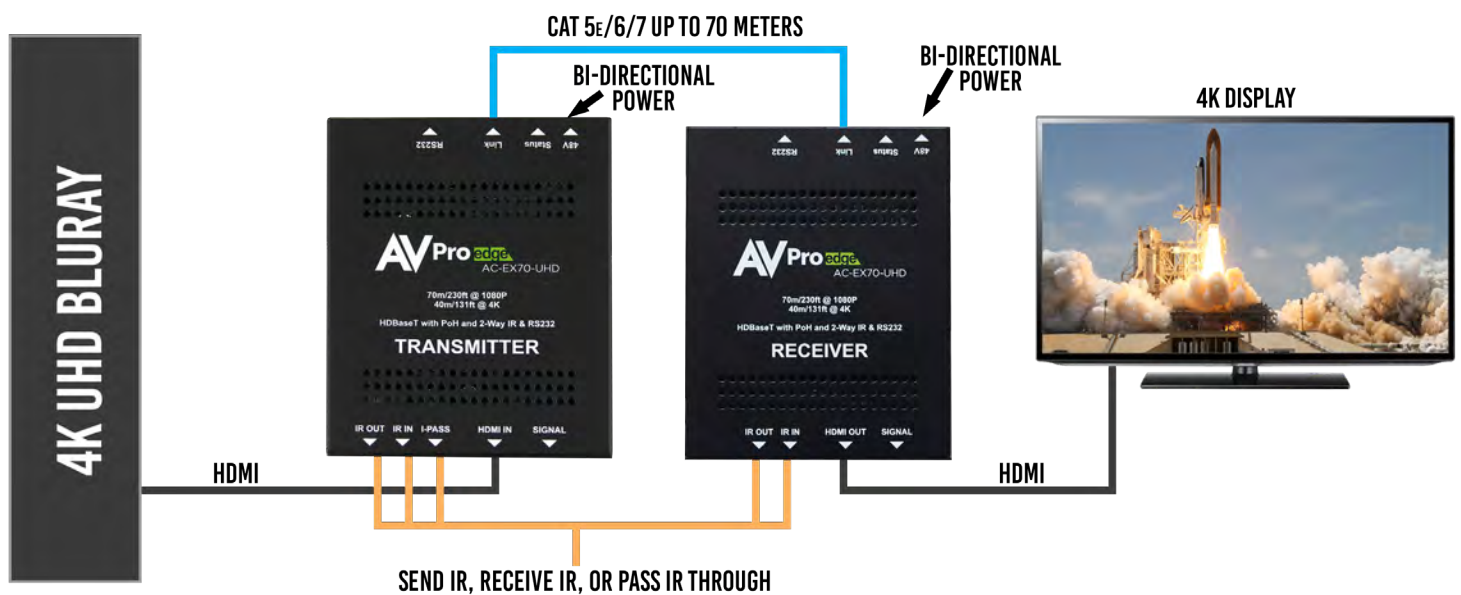
## ULTRA SLIM 70 METER 4K EXTENDERS AC-EX70-UHD-KIT

**HDBT™** **HDMI®** **HDCP™**  
ASE HIGH-DEFINITION MULTIMEDIA INTERFACE HIGH-BANDWIDTH DIGITAL CONTENT PROTECTION

**EXTEND YOUR UHD SIGNAL.** THE AVPRO EDGE PRIMARY EXTENDER A COST EFFECTIVE, STATE OF THE ART, AND RELIABLE SINGLE CAT 70 METER EXTENDER FEATURING BI-DIRECTIONAL POWER, IR AND RS232 PLUS HDR SUPPORT UP TO 4:2:2 12 BIT.



It solves problems for both commercial and residential markets for distributing high-value 4K UHD content from rack to display. With the additional ability to cascade extenders, affordable and reliable HDMI extension is now possible. Furthermore, the AC-EX-70-UHD offers solutions for UHD/HD uncompressed distribution in residential digital entertainment centers, retail stores, and AV events that require reliable and long distance distribution, suitable for data centers, control rooms, conference rooms, schools, and corporate training environments.



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**IN THE BOX:**

- AC-EX70-UHD-T (Transmitter)
- AC-EX70-UHD-R2 (Receiver)
- Operating Instructions
- 48V Power Supply
- (1) IR Tx Unit
- (1) IR Rx Unit
- 3.5mm stereo plug to male DB9 for RS-232 to serial port
- 3.5mm stereo plug to female DB9 for RS-232 to PC
- Rack Ears

**PRODUCT SPECIFICATIONS**

<b>VIDEO RESOLUTIONS</b>	<b>UP TO 4K60 4:2:0 &amp; 4K30 4:4:4</b>
<b>VESA RESOLUTIONS</b>	<b>UP TO 2560x2048 (QSXGA)</b>
<b>HDR RESOLUTIONS</b>	<b>4K24 4:2:2 12 BIT, 4K24 4:2:0 10 BIT</b>
<b>COLOR SPACE</b>	<b>YUV, RGB, (CSC: REC. 601, REC. 709)</b>
<b>CHROMA SUB-SAMPLING</b>	<b>4:4:4, 4:2:2, 4:2:0 SUPPORTED</b>
<b>DEEP COLOR</b>	<b>UP TO 12 BIT W/ 4K</b>
<b>AUDIO FORMATS SUPPORTED</b>	<b>PCM 2.0 CH, LPCM 5.1 &amp; 7.1, DOLBY DIGITAL DTS 5.1, DOLBY DIGITAL PLUS, DOLBY TRUEHD</b>
<b>DISTANCE 1080P</b>	<b>70 M (230 FEET)</b>
<b>DISTANCE 4K AND HDR</b>	<b>40 M (131 FEET) (BEST RESULTS WITH CAT6A/7)</b>
<b>BANDWIDTH</b>	<b>10.2 GBPS</b>
<b>CEC</b>	<b>YES</b>
<b>HDCP</b>	<b>HDCP 2.2 AND EARLIER</b>
<b>OPERATING TEMPRATURE</b>	<b>23 TO 95°F (-5 TO 35°C)</b>
<b>STORAGE TEMPRATURE</b>	<b>-4 TO 140°F (-20 TO 60°C)</b>
<b>HUMIDITY RANGE</b>	<b>5-90% RH (NO CONDENSATION)</b>
<b>POWER CONSUMPTION</b>	<b>7.5 WATTS</b>
<b>POWER SUPPLY</b>	<b>INPUT: AC 100-240V ~ 50/60HZ OUTPUT: DC 48V .5A (WALL VERSION) OUTPUT: DC 48V .625A 92-PIECE (TABLE TOP VERSION)</b>
<b>DIMENSIONS (UNIT ONLY, HEIGHT/WIDTH/DEPTH)</b>	<b>12 x 100 x 8 MM (TX &amp; RX EA) .47 x 3.93 x 3.15 INCHES (TX &amp; RX EA)</b>
<b>WEIGHT (UNIT)</b>	<b>.45 LBS/.20 KG (TX &amp; RX EA)</b>
<b>WEIGHT (PACKAGED)</b>	<b>.8 LBS/.36KG (TX &amp; RX EA)</b>

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

**EXTEND 4K HDMI:**

Once HDMI cables are manufactured to a certain length, you're stuck with it. Not to mention reliability declines after about 25 ft. This does not allow installers or users to make their own cables on an as needed basis. CAT cables on the other hand, are widely available and the lengths can be reworked easily by the installer or end-user.

**DISTANCE:**

By using AC-EX70-UHD, the transmission distance for HD 1080p is up to 70 meters (230') and UHD 4K resolution the distance reaches an impressive 40 meters (115').

**CASCADE:**

AC-EX70-UHD features HDMI signal equalization and amplification, which allows for a "daisy chain" of extenders, enabling extremely long distance transmission. These extenders allow for up to 8 layers with HDCP. The options for layering are unlimited using your own non-HDCP content.

**CONTROL:**

IR & RS-232 are bi-directional and can control the sources from the sinks or vice versa.

**BI-DIRECTIONAL POWER:**

Ultra stable, bi-directional PoE allows you to be very flexible in choosing where you want to power. Eliminate power supplies at the rack and power the Tx remotely from the display (Rx) end.

**FIELD UPDATES:**

Should a firmware update be necessary it can be accomplished in the field.