



AVPro edge

**ULTRA SLIM 70M (100M HD) 4K60
4:4:4, HDR HDBaseT EXTENDER
AC-EX70-444-TNE**

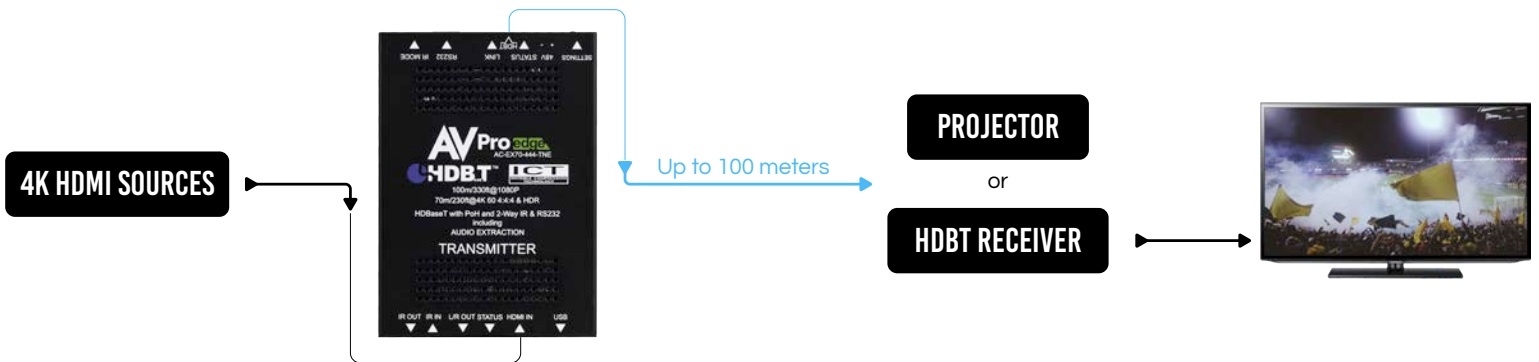
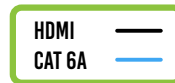
HDBT™ **HDMI®** **HDCP™**
ASE HIGH-DEFINITION MULTIMEDIA INTERFACE HIGH-BANDWIDTH DIGITAL CONTENT PROTECTION

AVPro Edge's 70-meter 4K transmitter can support long-distance runs of high bandwidth data signals over standard category cable. Professional AV installers will use this device anytime they need to send HDMI signals long distances. This device will convert the HDMI signal into an HDBaseT type that distributes uncompressed video data through walls and underground to areas that are not easily reached.

This device works perfectly with any HDBaseT TV, projector, or AVR, but even more so works with AVPro Edges scaling HDBaseT Receiver (AC-EX70-SC2-R). When paired together you are in full control of the video signals that are passing through, you can input a full 4K60 signal, but scale it to a standard 720p for legacy TVs and projectors.

This transmitter uses ICT Technology to fit the full 4K60 (4:4:4) signal over a single piece of category cable, we do this by lightly compressing any signal over 10.2Gbps to fit through the category pipeline. Because this compression is engineered to not affect the picture quality, you have a near-lossless image on the screen.

CONNECTION DIAGRAM



PRODUCT SPECIFICATIONS

VIDEO:	
VIDEO RESOLUTIONS	UP TO 4K 60HZ 4:4:4
VESA RESOLUTIONS	UP TO DCI 4K (4096X2160)
HDR FORMATS/RESOLUTIONS	"420, 422, 444 (10 AND 12 DEEP COLOR) HDR10, HDR10+, HLG"
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 DIGITAL, DTS 5.1, DOLBY DIGITAL PLUS, DOLBY TRUEHD, DTS-HD MASTER AUDIO, DTS-X, DOLBY ATMOS
AUDIO FORMATS SUPPORTED EXTRACTED	PCM 2 CH (NO DOWNMIX)
DISTANCE:	
HDBASET (CAT) TRANSMIT DISTANCE (4K)	70M (230 FEET)
HDBASET (CAT) TRANSMIT DISTANCE (FULL HD)	100M (330 FEET)
HDMI LEAD IN (UP TO 4K60 4:4:4)	UP TO 50 FEET (USING BULLET TRAIN HDMI)
HDMI LEAD IN (W/ AOC CABLE) (UP TO 4K60 4:4:4)	UP TO 130 FEET (USING BULLET TRAIN AOC)
OTHER:	
BANDWIDTH	18 GBPS (W/ ICT)
HDCP	HDCP 2.2 AND EARLIER
PORTS:	
HDMI (INPUT)	TYPE A
AUDIO (EXTRACTED ANALOG) (OUTPUT)	3 PIN TERMINAL BLOCK (UNBALANCED)
IR RX (INPUT/OUTPUT)	3.5MM STEREO (3 CONDUCTOR)
RS232	3 PIN TERMINAL BLOCK
ENVIRONMENTAL:	
OPERATING TEMPRATURE	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 PAIR
POWER SUPPLY	"INPUT: AC 100-240V ~ 50/60HZ OUTPUT: DC 48V .5A (WALL VERSION) "
DIMENSIONS:	
DIMENSIONS	"MM: 132 X 100 X 18 INCH: 5.19 X 3.94 X .69"
DIMENSIONS (PACKAGED LENGTH/WIDTH/HEIGHT) (KIT)	"MM: 137 X 194 X 45 INCH: 5.38 X 7.62 X 1.75"
WEIGHT (UNIT)	.5LBS (.23KG)
WEIGHT (PACKAGED)	1LBS (.45KG)

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



FULL FEATURE SET

- HDMI 2.0(a/b)
- 18Gbps Bandwidth Support (Using ICT)
- 4K60 (4:4:4)
- 12-bit Support
- Full HDR (HDR, HDR10+, and HLG) and Dolby Vision Support
- HDCP 2.2 & Earlier Supported
- EDID Management and EDID emulate
- L/R Audio Extraction on Tx
- CEC Pass Through
- 3D Support
- Ultra Slim (.47 inch/12mm)
- Bidirectional RS232 Transport
- LED Status, Link, Power indication lights
- 100M (330ft) On 1080P, Up to 70m (230ft) on 4K (Cat6a)
- Bi-Directional PoE (ieee)
- Rugged, long-life chassis
- RS232 Control form local or remote
- Single UTP/STP LAN cable (CAT-5E/6A) for all signals (Shielded Cat6 recommended)
- ESD protection circuitry (Inputs / Outputs) till 7KV.
- Transfer IR & RS-232 signals from Tx to Rx
- I-Pass Feature for control system "pass-through IR"
- 3-20v protection circuit built-in for safe IR transport
- Compatible with HDBaseT displays, projectors, AVR's
- Supports uncompressed PCM 2- Ch., 5.1, 7.1, Dolby Digital, DTS, Dolby TrueHD, DTS HD-Master Audio, Atmos.

