# AVProedge

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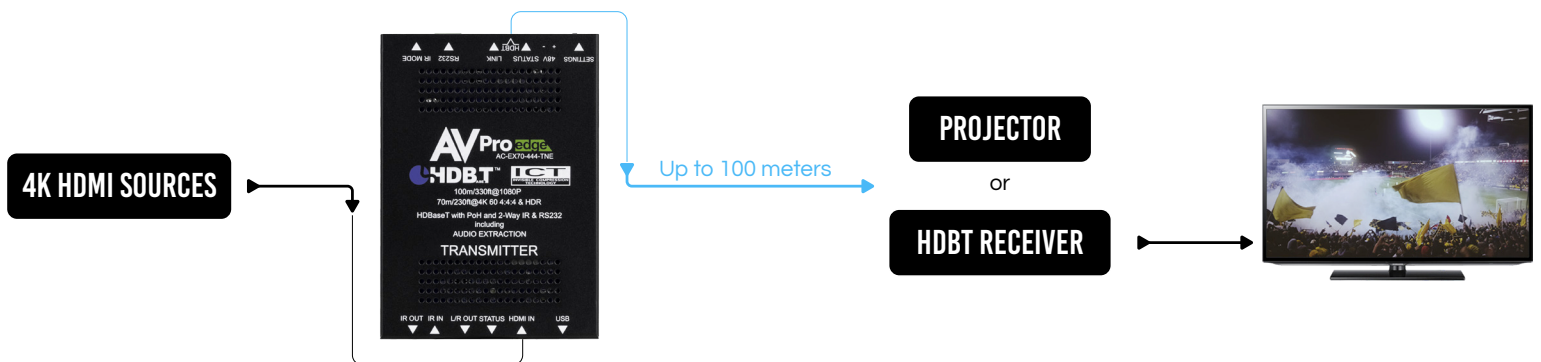## 4:4:4, HDR HDBaseT EXTENDER
### AC-EX70-444-TNE

**HDBT** ™ **HDMI** ®
HIGH-DEFINITION MULTIMEDIA INTERFACE
**HDCP** ™
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

| HDMI | —— |
| CAT 6A | —— |



4K HDMI SOURCES

Up to 100 meters

PROJECTOR

or

HDBT RECEIVER

# 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 SUBSAMPELING | 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 |
| 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) 0n 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.