



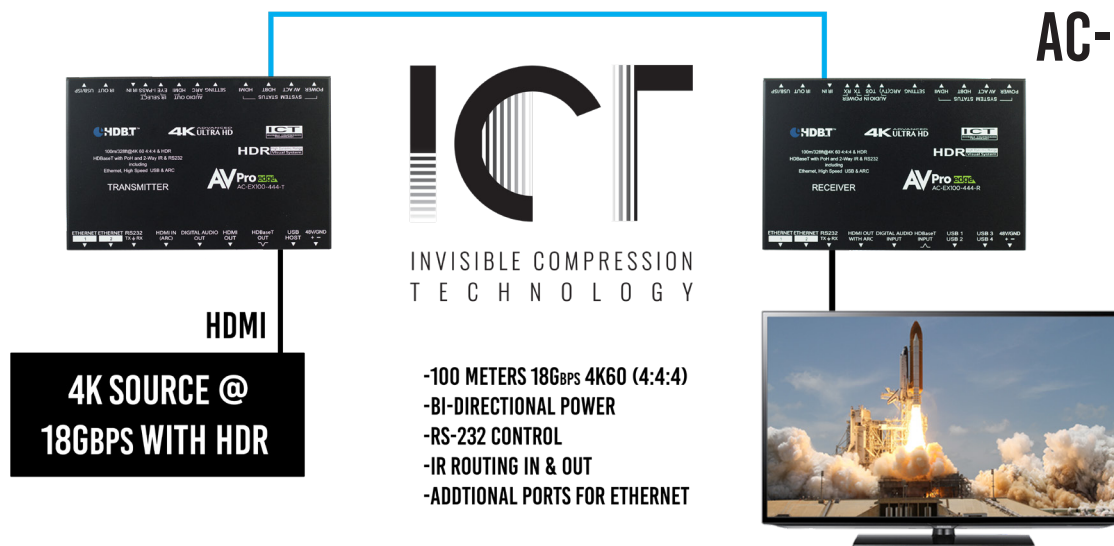
## ULTRA SLIM 100M 4K60 (4:4:4) HDR HDBaseT EXTENDER AC-EX100-444-KIT



THE AC-EX100-444-KIT IS NOT YOUR AVERAGE POINT TO POINT HDMI EXTENDER. THIS UNIQUE PRODUCT EXTENDS AN 18GBPS 4K60 (4:4:4) AUDIO/VIDEO SIGNAL 100 METERS OVER SINGLE CAT USING ICT (INVISIBLE COMPRESSION TECHNOLOGY) AND MANAGES ALL FLAVORS OF HDR AND DOLBY VISION. THIS EXTENDER WAS ENGINEERED BEYOND NORMAL 5-PLAY HDBaseT (AUDIO, VIDEO, POWER, CONTROL, AND ETHERNET) TO ALSO INCLUDE USB EXTENSION. CONTROL A COMPUTER 100 METERS AWAY WITH A KEY BOARD OR MOUSE CONNECTED TO THE RECEIVER, CONNECT A USB CAMERA TO THE RECEIVER AND CONTROL IT VIA A PC CONNECTED TO THE TRANSMITTER 100 METERS AWAY; THE OPTIONS ARE ENDLESS.



ICT is a revolution in HDMI extension. This proprietary technology can compress high bandwidth HDMI signals into a more manageable size to fit through a CAT Cable "pipe". The ICT algorithm can manage all versions of HDR as well as signals up to 18Gbps and 4K 60Hz 4:4:4. This allows integrators to install the latest sources with confidence and impress customers with an immersive HDR experience. With bi-directional power, left/right audio breakouts, EDID management, scaling, built-in 4K test patterns, Ethernet, IR, RS-232, ARC, and USB connection ports included, these extenders are unparalleled.



EXTEND YOUR 18GBps 4K60 (4:4:4) HDMI SIGNAL 100 METERS VIA STANDARD CATEGORY CABLE



## 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 SUB-SAMPLING	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 (TOSLINK Tx ONLY)	PCM 2.0 CH, LPCM 5.1 & 7.1, DOLBY DIGITAL, DTS 5.1, DOLBY DIGITAL PLUS, DOLBY TRUEHD, DTS-HD MASTER AUDIO

### ARC

FORMATS SUPPORTED HDMI ARC OUT Tx	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
FORMATS SUPPORTED TOSLINK OUT Tx	PCM 2.0 CH, LPCM 5.1 & 7.1, DOLBY DIGITAL, DTS 5.1, DOLBY DIGITAL PLUS, DOLBY TRUEHD, DTS-HD MASTER AUDIO

### USB

VERSION	USB 2.0
Tx PORT	USB HOST = USB TYPE B (SINGLE)
Rx PORTS	USB TYPE A (X4)

### DISTANCE

HDBaseT (CAT) DISTANCE (4K)	100M (330 FEET)
HDBaseT (CAT) DISTANCE (FULL HD)	100M (330 FEET)
HDMI LEAD IN/OUT (UP TO 4K60 4:4:4)	UP TO 50 FEET (BULLET TRAIN HDMI)
HDMI LEAD IN/OUT (W/ AOC CABLE) (UP TO 4K60 4:4:4)	UP TO 130 FEET (W/ BULLET TRAIN AOC)
BANDWIDTH	18 Gbps (w/ITC)
HDCP	HDCP 2.2 AND EARLIER

### PORTS

HDMI (TX & RX)	TYPE A
AUDIO (EXTRACTED ANALOG) (TX & RX)	3 PIN TERMINAL BLOCK (UNBALANCED) EACH
IR TX (TX & RX)	3.5MM MONO (2 CONDUCTOR) EACH
IR RX (TX & RX)	3.5MM STEREO (3 CONDUCTOR) EACH
RS-232 (TX & RX)	3 PIN TERMINAL BLOCK
POWER (TX & RX)	2 PIN TERMINAL BLOCK
ETHERNET	2 RJ45 CONNECTORS

### 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 CONSUMPTION	9 WATTS MAX PAIR
POWER SUPPLY	INPUT: AC 100-240V ~ 50/60HZ OUTPUT: DC 48V .5A (WALL VERSION)
DIMENSIONS (SINGLE UNIT ONLY, Tx & Rx ARE SAME) (LENGTH/WIDTH/HEIGHT)	MM: 173 X 114 X 22 INCH: 6.80 X 4.48 X .87
DIMENSIONS (PACKAGED LENGTH/WIDTH/HEIGHT) (KIT)	MM: 305 X 178 X 77 INCH: 12 X 7 X 3
WEIGHT (UNIT) (TX OR RX EACH ALONE)	.9LBS (.45KG)
WEIGHT (PACKAGED)	2LBS (.90KG)

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

### IN THE BOX:

- AC-EX100-444-T (Transmitter)
- AC-EX100-444-R (Receiver)
- 48V Power Supply (One supplied as Rx is powered by Tx)
- 1 x IR Tx Unit
- 1 x IR Rx Unit
- 3 Pin Terminal blocks for Audio and RS-232 Ports
- Mounting Ears

### FULL FEATURE SET

- HDMI 2.0(a/b)
- 18Gbps Bandwidth Support (Using ICT)
- Ultra Slim (.47 inch/12mm)
- Up to 4K60 4:4:4 Support
- Full HDR Support (HDR 10 & 12 Bit)
- HDR, HDR10+ and HLG Support
- 4K --> 1080P Down-scaling for mixed systems
- EDID Management and EDID emulate
- 4K & HD Test Patterns built into Tx and Rx for troubleshooting
- Ethernet Hub Capability
- L/R Audio Extraction on Tx and Rx
- HDCP 2.2 (and all earlier versions supported)
- CEC Pass Through
- 3D Support
- 100M (330ft) on 1080P (Cat6a)
- Up to 100m (230ft) on 4K (up to 4K60 4:4:4, HDR) (Cat6a)
- Bi-directional 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
- ESD protection circuitry (Inputs & Outputs) to 7KV
- Can Cascade