



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

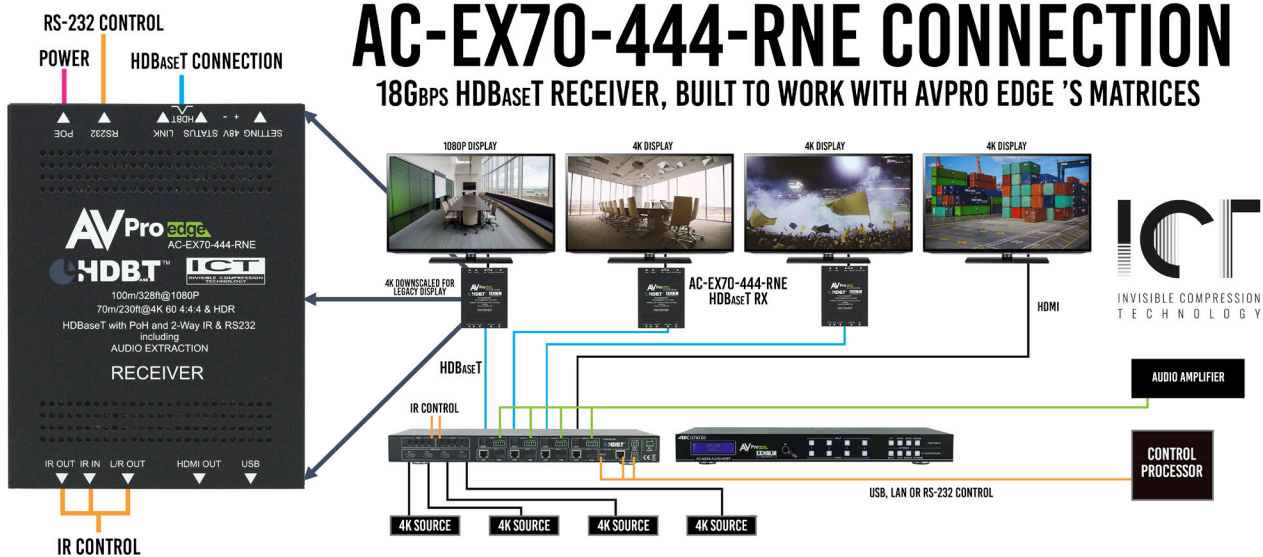
HDBT™ **HDMI®** **HDCP™**
ASE HIGH-DEFINITION MULTIMEDIA INTERFACE HIGH-BANDWIDTH DIGITAL CONTENT PROTECTION

THIS HDBaseT RECEIVER IS THE PERFECT COMPANION TO AVPRO EDGE'S HDBASET MATRIX SWITCHERS. IT'S SLIM DESIGN AND RICH FEATURES MAKE THIS SMALL UNIT THE PERFECT SOLUTION FOR HDR DISTRIBUTION. USING STANDARD CATEGORY YOU ARE ABLE TO DISTRIBUTE A 18GBPS SIGNAL UP TO 70 METERS. UTILIZING ICT (INVISIBLE COMPRESSION TECHNOLOGY) WE HAVE ACHIEVED WHAT WAS THOUGHT TO BE IMPOSSIBLE. WE CAN DELIVER A VIRTUALLY LOSSLESS HIGH BANDWIDTH 4K HDR SIGNAL WITH SUPPORT FOR ALL SIGNALS UP TO 18GBPS. DEEP COLOR AND HDR METADATA REMAIN INTACT MAKING THE TRANSMISSION FREE OF ARTIFACTS LIKE BANDING. OTHER SIMILAR DEVICES WILL DELIVER A SUB-PAR IMAGE THAT HAS VERY VISIBLE BANDING AND COLOR SHIFTING.

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 flavors of HDR including 4:4:4, 4:2:2, and 4:2:0 as well as signals up to 18Gbps and 4K 60Hz 4:4:4. This industry first 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, and RS-232 included, these extenders are unparalleled.

AC-EX70-444-RNE CONNECTION

18GBPS HDBASET RECEIVER, BUILT TO WORK WITH AVPRO EDGE'S MATRICES



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 (2CH PORT)	PCM 2 CH (NO DOWNMIX)
DISTANCE:	
HDBASET (CAT) DISTANCE (4K)	70M (230 FEET)
HDBASET (CAT) DISTANCE (FULL HD)	100M (330 FEET)
HDMI LEAD OUT (UP TO 4K60 4:4:4)	UP TO 50 FEET (USING BULLET TRAIN HDMI)
HDMI LEAD OUT (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	TYPE A
AUDIO (EXTRACTED ANALOG)	3 PIN TERMINAL BLOCK (UNBALANCED) EACH
IR RX	3.5MM STEREO (3 CONDUCTOR) EACH
RS232	3 PIN TERMINAL BLOCK EACH
POWER	2 PIN TERMINAL BLOCK EACH
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)
- 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
- 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 70m (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