



Ultra Slim 10Gbps 70M HDMI via HDBaseT Extension Kit AC-EX70-UHD-KIT

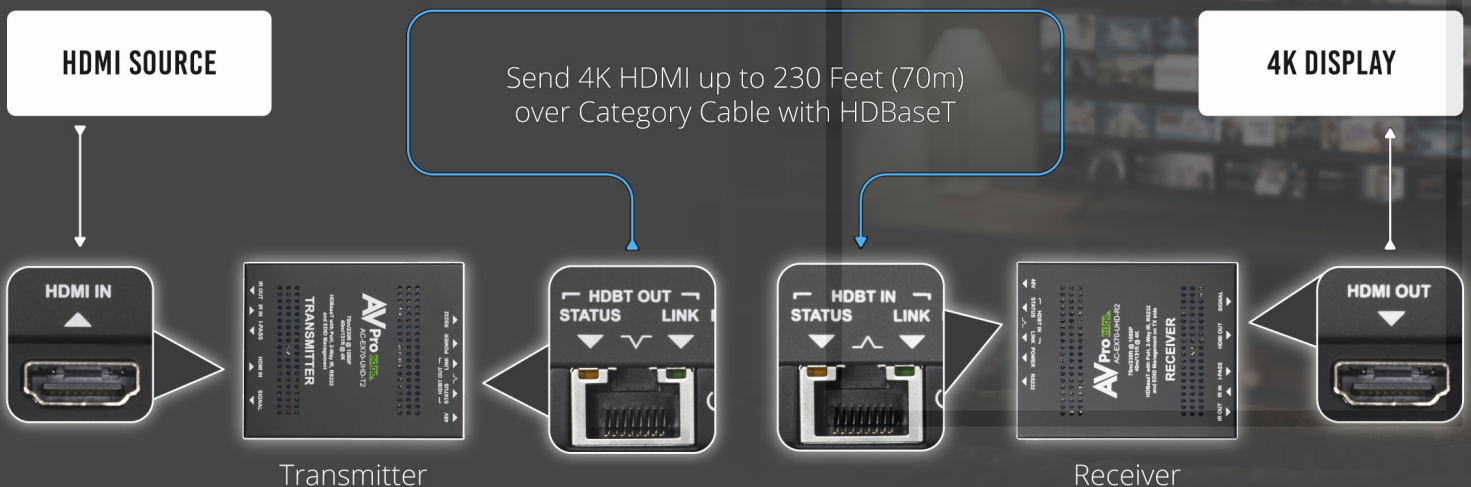


The AC-EX70-UHD-KIT uses proven HDBaseT technology to reliably transport HDMI HD and UHD signals up to 70 meters over a single, twisted-pair category 5E, 6, 6A or 7 cable. AVPro Edge continues to set the standard for video excellence in HDMI extension solutions with no better real-world example of unbeatable performance at a cost-conscious price than our AC-EX70-UHD-KIT. With a compact, mechanically minimal footprint for ease of placement, the pencil-thin AC-EX70-UHD-KIT has deservedly earned its reputation as a mainstay in our extender lineup with a proven track record for unparalleled reliability and flawless transport of HD & UHD video signals.

The AC-EX70-UHD-KIT provides uncompressed signal delivery (up to the HDBaseT maximum of 10.2 Gbps) from intermediate thru moderate distances determined by signal type, for around-the-clock, failure-free operation in mission critical commercial environments like Control Rooms, Data Centers, Conference Rooms, or educational campuses.



CONNECTION DIAGRAM



PRODUCT SPECIFICATIONS

VIDEO:	
VIDEO RESOLUTIONS	UP TO 4K 60HZ 4:2:0 & 4K30 4:4:4
VESA RESOLUTIONS	UP TO 2560X2048 (QSXGA)
HDR FORMATS/RESOLUTIONS	4K24 4:2:2 12 BIT, 4K24 4:2:0 10 BIT
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
DISTANCE:	
HDBASET DISTANCE (4K & HDR)	40 METERS (131 FEET) (CAT 6A)
HDBASET DISTANCE (FULL HD)	70 METERS (230 FEET) (CAT 6A)
HDMI LEAD IN/OUT	UP TO 50 FEET (USING BULLET TRAIN HDMI)
HDMI LEAD IN/OUT (W/ AOC CABLE)	UP TO 130 FEET (USING BULLET TRAIN AOC)
OTHER:	
BANDWIDTH	10.2 GBPS
CEC	YES
HDCP	HDCP 2.3 AND EARLIER
PORTS:	
HDMI (TX & RX)	TYPE A
HDBASET	RJ45 W/ POH FOR HDBASET RECEIVERS
IR RX	3.5MM STEREO (3 CONDUCTOR)
IR OUT & I-PASS	3.5MM MONO (2 CONDUCTOR)
RS232	3.5MM STEREO (3 CONDUCTOR)
ENVIRONMENTAL:	
OPERATING TEMPERATURE	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)	7.5 WATTS MAX
POWER SUPPLY - MATRIX	INPUT: AC 100-240V ~ 50/60HZ OUTPUT: DC 48V .5A
DIMENSIONS:	
DIMENSIONS (TX/RX ONLY, HEIGHT/DEPTH/WIDTH)	MM: 12.7 X 80 X 100.3 INCH: 0.5 X 3.15 X 3.95
DIMENSIONS (PACKAGED HEIGHT/DEPTH/WIDTH)	MM: 90 X 135 X 155 INCH: 3.54 X 5.31 X 6.1
WEIGHT (UNIT)	0.68 LBS (0.31 KG)
WEIGHT (PACKAGED)	1.74 LBS (0.79 KG)
*SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE. MASS & DIMENSIONS ARE APPROXIMATE	

KEY FEATURES

- EDID Management
- 4K60 4:2:0, 4K30 4:4:4
- HDR Support up to 4:2:2 12 Bit (24/30 frames)
- Dolby Vision Support
- Ultra Slim (.47 inch/12mm)
- HDCP 2.3 & Earlier
- 70M (230ft) on 1080P & Up to 40m (131ft) on 4K

KEY BENEFITS

COMPREHENSIVE EDID MANAGEMENT: Legacy HD displays are often retained for use in new installation projects and occasionally their dated EDIDs impart problems contending with present-day sources. Robust EDID control on the AC-EX70-UHD-KIT enables juggling video resolutions and audio codec combinations for an EDID that provides a congenial match for reliable system operation. EDID Copy allows for acute copying and saving of a known, working EDID, for stable kit functionality and HDCP repeatability.

DISTANCE CAPABILITIES: Transmission distance varies by resolution bandwidth. HD 1080P signals can be sent 70 meters (230') while 4K resolutions reliably reach 40 meters (115'). For new construction or whenever possible, shielded CAT6A is recommended.

POWER REQUIREMENTS: Power over HDBaseT (PoH) allows both devices to be fully powered from a user-selectable, single unit. The individual chassis of the AC-EX70-UHD-KIT are approximately cell phone-dimensioned, making placement options unlimited. Typical applications find the RX unit mated to the rear, jack panel area of the display with the TX unit and power supply positioned at the source end.

CONTROL OPTIONS: Configurable, bidirectional control for IR & RS-232 signals provides a carefully nuanced added plus to the AC-EX70-UHD-KIT, consolidating wiring to a solitary pull and mitigating the use of supplemental devices for a clean, efficient installation. Simplified control requirements can take advantage of the AC-EX70-UHD-KIT's I-PASS, forwarding commands directly from a control system IR-out port into the TX unit I-PASS input, proceeding to the receiving end and routing directly from the RX unit's IR-out into the display's IR input jack (if equipped) or through an attached IR emitter.

IN THE BOX

- AC-EX70-UHD-T2 (Transmitter)
- AC-EX70-UHD-R2 (Receiver)
- 48V Power Supply (One supplied, Rx is powered by Tx)
- 1 x IR Emitter Unit
- 1 x IR Eye 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
- 4 x Mounting Brackets
- 8 x Screws for Mounting Brackets

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