

4K UNCOMPRESSED HDMI EXTENDER VIA OPTICAL FIBER AC-EXO-UNC-KIT

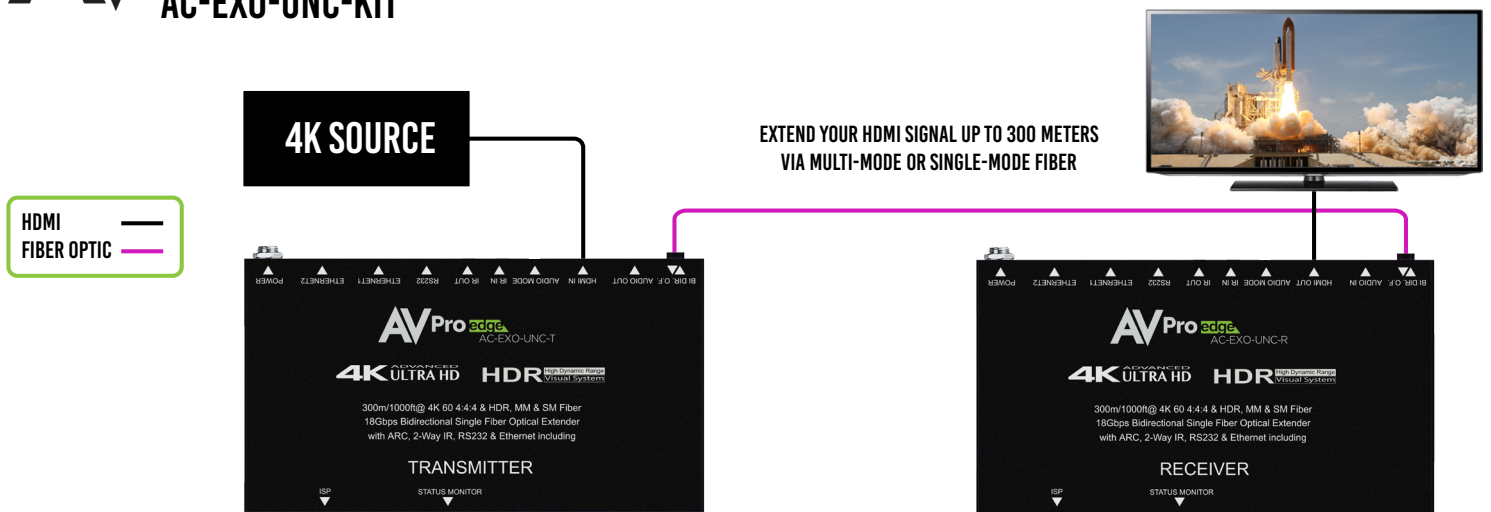


THE AC-EXO-UNC-KIT IS AN UNCOMPRESSED HDMI EXTENDER OVER FIBER OPTIC CABLE. IT ALLOWS FOR ULTRA LONG DISTANCE EXTENSION OF HDMI SIGNALS. ALL HDMI 2.0 A/B SIGNALS ARE SUPPORTED AS THE BANDWIDTH IS UP TO 18Gbps. THIS FIBER OPTIC EXTENDER ALLOWS THE USER TO EXTEND AN HDMI SIGNAL 300 METERS VIA SINGLE-MODE FIBER OR MULTI-MODE FIBER.

This extender solves problems for both commercial and residential markets for distributing high value 4K 18Gbps content from rack to display. These extenders go the distance, no need to find power and cascade extenders for ultra long runs. Additionally, the AC-EXO-UNC-KIT offers solutions for 18Gbps distribution in residential, digital entertainment centers, retail stores, AV events that require reliable and long distance distribution, suitable for data center, control rooms, conference rooms, schools and corporate training environments.



UNCOMPRESSED FIBER OPTIC EXTENDER DIAGRAM



RECOMMENDED FIBER:



Bullet Train

FIBER OPTIC CABLES



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, DOLBY VISION
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: TRANSMITTER (TOSLINK OUT)	PCM 2.0 CH, LPCM 5.1 & 7.1, DOLBY DIGITAL, DTS 5.1, DOLBY DIGITAL PLUS (NO DOWNMIXING) - EXTRACT LOCAL OR ARC
AUDIO FORMATS SUPPORTED: RECEIVER (TOSLINK INPUT)	PCM 2.0 CH, LPCM 5.1 & 7.1, DOLBY DIGITAL, DTS 5.1, DOLBY DIGITAL PLUS (NO DOWNMIXING) - INPUT FOR ARC
ARC (AUDIO RETURN CHANNEL)	VIA TOSLINK OR HDMI
FIBER:	
TYPE	MULTIMODE (OM3 RECOMMENDED) OR SINGLEMODE
CONNECTOR	LC (LUCENT)
RECOMMEND FIBER	CLEERLINE SSF
CUSTOM OPTICAL TOSA/ROSA	300M/2KM BUILT IN.
DISTANCE:	
OM3 MULTI-MODE (FULL 4K)	300M (1000 FEET)
SINGLE-MODE (FULL 4K)	300M (1000 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)
OTHER:	
BANDWIDTH	18 GBPS
HDCP	HDCP 2.2 AND EARLIER
PORTS:	
HDMI (TX & RX)	TYPE A
AUDIO (EXTRACTED/EMBEDDED) (TX & RX)	TOSLINK
IR TX (TX & RX)	3.5MM MONO (2 CONDUCTOR)
IR RX (TX & RX)	3.5MM STEREO (3 CONDUCTOR)
RS232 (TX & RX)	3 PIN TERMINAL BLOCK
POWER (TX & RX)	BARREL TYPE
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)	12 WATTS MAX PAIR
POWER SUPPLY	INPUT: AC 100-240V ~ 50/60HZ OUTPUT: DC 12V 2A (WALL VERSION)
DIMENSIONS:	
DIMENSIONS (SINGLE UNIT ONLY, TX OR RX ARE SAME) (LENGTH/WIDTH/HEIGHT) (TX OR RX EACH ALONE)	MM: 173 X 114 X 22 INCH: 6.8 X 4.48 X 0.87
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)	0.9LBS (0.45KG)
WEIGHT (PACKAGED)	2LBS (0.90KG)

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

FULL FEATURE SET

- HDMI 2.0(a/b)
- Uncompressed 18Gbps Bandwidth Support
- Up to 4K60 4:4:4 Support
- Full HDR Support (HDR 10 & 12 Bit)
- HDR, HDR10+ and HLG Support
- Dolby Vision Support
- Toslink Multichannel Audio Extraction
- ARC Support (Toslink or HDMI)
- HDCP 2.2 (and all earlier versions supported)
- CEC Pass Through
- 3D Support
- 300m (1000ft) on full 4K (Single-mode or Multi-mode OM3)
- HDCP 2.2 & Earlier
- Bi-Directional IR Passthrough
- Bi-Directional RS232 Transport
- I-Pass Feature for control system "pass-through"
- 3-20v protection circuit built in for safe IR transport
- LED Status, Link, Power indication lights
- Use single fiber optic cable (Multi-mode or Single-mode)
- Removable/changeable SFP for even longer distances
- Supports uncompressed PCM 2- Ch., LPCM 5.1 & 7.1, Dolby Digital, DTS, Dolby TrueHD, DTS HD-Master Audio, Atmos (On HDMI)
- ESD protection circuitry (Inputs & Outputs) to 7KV
- Can Cascade
- Single LC Connector Type