



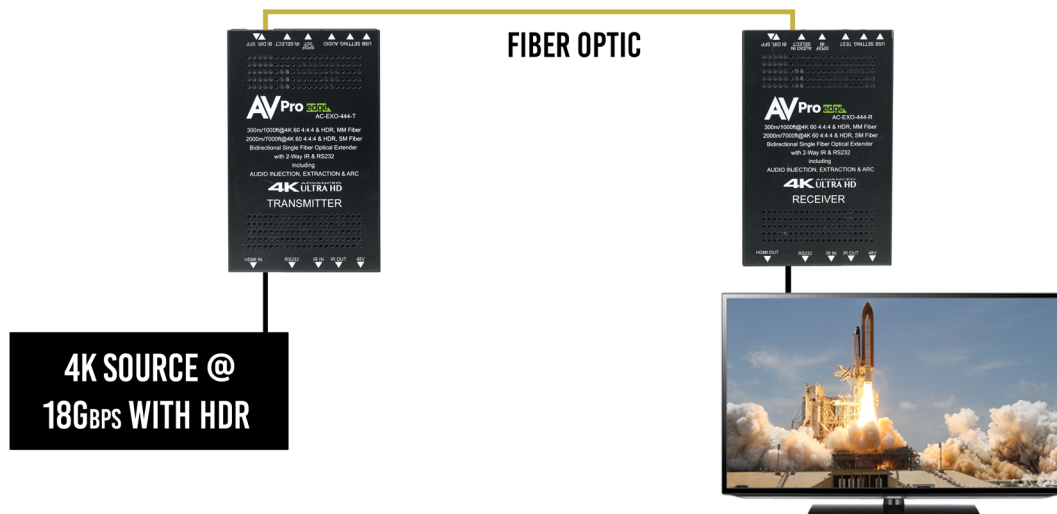
4K HDMI EXTENDER VIA OPTICAL FIBER AC-EXO-444-KIT

THE AC-EXO-444 IS AN ECONOMICAL HDMI EXTENDER OVER FIBER OPTIC CABLE FOR SIGNAL EXTENSION OVER ULTRA-LONG DISTANCES AS GREAT AS 1.25 MILES (2 KM) OR MORE. IT SUPPORTS ALL HDMI 2.0 A/B SIGNALS AND UP TO 18 GBPS BANDWIDTH.



AVPro Edge's Invisible Compression Technology (ICT) preserves metadata during transmission to deliver a visually lossless 4K High Dynamic Range image free from banding artifacts and color shift. Fiber removes any possibility of EMI/RFI interference that plagues Category cabling. Pixel-level details are preserved, making the AC-EXO-444-KIT ideal for Control Rooms, Data Centers, Surveillance facilities, and all noise-prone hostile commercial/industrial installations. Expansive residential projects also benefit from the distance boost that challenges Category cable-based extension devices.

FIBER OPTIC EXTENDER DIAGRAM



EXTEND YOUR 18 GBPS 4K/60 FPS, 4:4:4 HDMI SIGNAL OVER 2 KILOMETERS USING OS2 SINGLE-MODE FIBER OPTIC CABLE



PRODUCT SPECIFICATIONS

VIDEO

VIDEO RESOLUTIONS	UP TO 4K/60 FPS, 4:4:4
VESA RESOLUTIONS	UP TO DCI 4K (4096X2160)
HDR FORMATS/RESOLUTIONS	HDR10, HDR10+, DOLBY VISION (24 FPS & 30 FPS), HLG, DOLBY VISION
COLOR SPACE	YUV (COMPONENT), RGB (CSC: REC. 601, REC. 709, BT.2020, DCI-P3-D65)
CHROMA SUB-SAMPLING	4:4:4, 4:2:2, 4:2:0 SUPPORTED
DEEP COLOR	4K (AND HDR) DOWN TO 1080P

AUDIO

AUDIO FORMATS SUPPORTED HDMI	PCM 2.0-CH., LPCM 5.1 & 7.1, DOLBY DIGITAL, DOLBY DIGITAL PLUS, DOLBY TRUEHD, DOLBY ATMOS, DTS 5.1, DTS-HD MASTER AUDIO, DTS:X
AUDIO FORMATS SUPPORTED EXTRACTED: TRANSMITTER (TOSLINK OUT)	PCM 2.0-CH., LPCM 5.1 & 7.1, DOLBY DIGITAL, DOLBY DIGITAL PLUS, DTS 5.1 (NO DOWNMIXING) - EXTRACT LOCAL OR ARC
AUDIO FORMATS SUPPORTED: RECEIVER (TOSLINK INPUT)	PCM 2.0 CH, LPCM 5.1 & 7.1, DOLBY DIGITAL, DOLBY DIGITAL PLUS, DTS 5.1 (NO DOWNMIXING) - INPUT FOR ARC
ARC (AUDIO RETURN CHANNEL)	VIA TOSLINK OR HDMI

FIBER

TYPE	SINGLE-MODE OS2
CONNECTOR	LC (LUCENT)
RECOMMENDED FIBER	CLEERLINE SSF
SFP+ (SMALL FORM-FACTOR PLUGGABLE TRANSCEIVER)	UNIVERSAL AND CHANGEABLE – 2 KM BUILT-IN

DISTANCE

SINGLE-MODE (FULL 4K)	2 KM (1.25 MI)
HDMI LEAD IN/OUT (UP TO 4K60 4:4:4)	UP TO 50 FT (USING BULLET TRAIN HDMI)
HDMI LEAD IN/OUT (W/ AOC CABLE) (UP TO 4K60 4:4:4)	UP TO 130 FT (USING BULLET TRAIN AOC)

OTHER

BANDWIDTH	18 Gbps (W/ICT)
HDCP	HDCP 2.3 AND EARLIER VERSIONS

PORTS

HDMI (TX & RX)	TYPE A
AUDIO (EXTRACTED/EMBEDDED) (TX & RX)	TOSLINK
IR TX (TX & RX)	3.5 MM MONO (2-CONDUCTOR)
IR RX (TX & RX)	3.5 MM STEREO (3-CONDUCTOR)
RS-232 (TX & RX)	3-PIN EUROBLOCK
POWER (TX & RX)	2-PIN EUROBLOCK

ENVIRONMENTAL

OPERATING TEMPERATURE	23°F TO 125°F (-5°C TO 51°C)
STORAGE TEMPERATURE	-4°F TO 140°F (-20°C TO 60°C)
HUMIDITY RANGE	5% TO 90% RH (NO CONDENSATION)
POWER CONSUMPTION (TOTAL)	12 W MAX
POWER SUPPLY	INPUT: AC 100-240 V ~ 50/60 HZ OUTPUT: DC 48 V 0.5 A
DIMENSIONS (SINGLE UNIT ONLY, Tx & Rx ARE SAME) (LENGTH/WIDTH/HEIGHT)	MM: 83.4 X 131.23 X 21.37 IN: 3.28 X 5.17 X 0.84
DIMENSIONS (PACKAGED LENGTH/WIDTH/HEIGHT) (KIT)	MM: 138 X 165 X 91 IN: 5.5 X 6.5 X 3.6
WEIGHT (UNIT) (TX OR RX EACH ALONE)	0.6 LBS. (0.27 KG)
WEIGHT (PACKAGED)	1.6 LBS. (0.72 KG)

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

IN THE BOX:

- AC-EXO-444-TX (Transmitter)
- AC-EXO-444-RX (Receiver)
- 2x 48V Power Supply
- 1 x IR Tx Unit
- 1 x IR Rx Unit
- Mounting Ears
- Operating Instructions

FULL FEATURE SET

- HDMI 2.0 (a/b)
- 18 Gbps Bandwidth Support (Using ICT)
- Up to 4K/60 fps 4:4:4 Support
- Full HDR Support (HDR 10- & 12-bit)
- HDR, HDR10+ and HLG Support
- Dolby Vision Support
- 4K --> 1080p down-scaling for mixed systems
- EDID Management and EDID emulate
- 4K & HD Test Patterns for troubleshooting
- TOSLINK Multi-channel Audio Extraction
- ARC Support (TOSLINK or HDMI)
- HDCP 2.2 and earlier versions supported
- CEC Pass-through
- 3D Support
- 2 km (1.25 mi) with Single-mode Fiber)
- HDCP 2.2 & Earlier
- Bidirectional IR Pass-through
- Bidirectional RSd232 transport
- I-Pass Feature for control system pass-through
- 3v to 20 v protection circuit built-in for safe IR transport
- LED Status, Link, and Power indication lights
- Use single fiber optic cable
- 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 7 kVA
- Cascadable
- Single LC connector type