

48Gbps 8K HDMI over HDBaseT Extender Kit (150m/492ft)






Extend 8K/4K60/1080p over CAT6 with Bi-Directional IR, RS-232 & 24V PoC

MPN: EXT-HD8K-150M



Most HDMI extenders cap out at 4K and 70–100m — leaving integrators without a viable single-cable solution for long-run 8K deployments or large-venue 4K installations that push past the 100m barrier. The KanexPro EXT-HD8K-150M closes that gap by extending HDMI 2.1 signals up to 150 meters over a single CAT6 cable, delivering 8K@30Hz at 40m, 4K60 4:2:0 at 100m, and full 1080p at 150m — all without active optical cables or signal repeaters.

The TX/RX kit includes bi-directional IR pass-through, RS-232 pass-through, analog stereo audio de-embedding on both TX and RX, and 24V Power over CAT6 so only one power supply is needed. A 7-mode DIP-switch EDID manager eliminates laptop-based configuration at the rack. HDCP 2.3, HDR10, HDR10+, Dolby Vision, and HLG are fully supported end-to-end.

 48Gbps HDMI 2.1 Input	 150m / 492ft Over CAT6 Single Cable	 8K / 4K / 1080p Multi-Resolution Support	 24V PoC Single Power Supply	 HDCP 2.3 HDR10 • Dolby Vision
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KEY FEATURES

- Extends HDMI 2.1 (48Gbps) signals up to 150m/492ft over a single CAT6 cable — 8K@30Hz at 40m, 4K60 4:2:0 at 100m, 1080p@60Hz at 150m
- HDMI 2.1 input on TX accepts 8K, 4K, and 1080p sources — HDMI 2.0 output on RX delivers to any compatible display
- HDCP 2.3 compliant — HDR10, HDR10+, Dolby Vision, and HLG pass-through end-to-end
- Bi-directional IR pass-through (20–60kHz) — remote control of source and display from either end
- RS-232 pass-through (3-pin phoenix) on both TX and RX for control system integration
- Analog stereo audio de-embedding (L+R phoenix) on both TX and RX — no separate audio extractor needed
- 24V PoC — power the RX from the TX over the same CAT6 cable
- 7-mode DIP-switch EDID manager (1080p / 4K30 / 4K60 × 2CH/7.1CH + sink copy) — no software required
- Locking HDMI connector on TX prevents accidental disconnection

SPECIFICATIONS

HDMI (TX In / RX Out)	HDMI 2.1 • HDMI 2.0 • HDCP 2.3/1.4
Video Bandwidth	48 Gbps
HDR Formats	HDR10 • HDR10+ • Dolby Vision • HLG
Audio Pass-through	LPCM 2.0–7.1 • Dolby Atmos • DTS:X
Audio De-embed	L+R stereo (3-pin phoenix) — TX and RX
Max Distance	8K@30Hz: 40m • 4K60 4:2:0: 100m • 1080p: 150m
Cable Type	CAT6 min (CAT6a/CAT7 recommended >70m)
Control	Bi-Dir IR (20–60kHz) • RS-232 (3-pin phoenix) • CEC
EDID	7-mode DIP switch — 1080p / 4K30 / 4K60 × 2CH/7.1CH + sink copy
Power	DC 24V/2.7A (TX & RX) • 24V PoC supported
Dimensions	TX & RX: 215 × 155 × 26mm • 660g each

PACKAGE CONTENTS

1× TX unit • 1× RX unit • 2× DC 24V/2.7A power adapters • 2× IR receiver cables • 2× IR blaster cables • 2× Mounting ears • 1× User manual



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sales@kanexpro.com | www.kanexpro.com