

Long-Range 4K HDMI over HDBaseT Extender Kit — 150M / 492ft

18Gbps 4K60 4:4:4 HDR Extension with HDMI Loop, Audio De-embed, RS-232 & Bi-directional IR over Single Cat5e/6

MPN: EXT-4KHD150M2



1 PRODUCT OVERVIEW

DESIGNED FOR

Commercial AV integrators installing long-run 4K signal distribution in corporate, education, hospitality, healthcare, and digital signage environments.

THE CHALLENGE

Standard HDMI cables max out at 15–50ft for 4K signals. Integrators need a reliable, full-featured solution to bridge 100–150m gaps without signal loss, while maintaining control system integration and audio flexibility.

THE KANEXPRO ADVANTAGE

Uncompressed 18Gbps 4K60 4:4:4 over a single Cat5e/6 — no active repeaters mid-run. Adds HDMI loop-out on the transmitter, analog audio de-embed at the receiver, full RS-232/IR/CEC pass-through, and PoC from either end, all in a compact metal chassis at a competitive MSRP vs. branded alternatives.

2 PRODUCT POSITIONING

EXT-4KHD150M2 is the long-run 4K commercial extender for AV integrators who need uncompressed 18Gbps signal delivery at 150 meters without sacrificing control, audio, or monitoring flexibility.

3 APPLICATIONS



Corporate AV

Route 4K60 signals from boardroom AV sources to distant conference displays without signal loss — RS-232 and IR pass-through keeps control systems fully integrated.



Education

Extend lecturer workstations to multiple classroom displays in large auditoriums and lecture halls over existing Cat cable infrastructure.



Hospitality

Drive 4K content from a central head-end to guest room TVs and digital signage displays at distances exceeding standard HDMI limits.



Healthcare

Distribute imaging workstations to remote OR displays and nursing station monitors where long cable runs are unavoidable.



Digital Signage

Connect media players in secure server rooms to public-facing 4K displays in lobbies, retail floors, and transportation hubs.



Control Rooms

Extend high-resolution sources to operator displays in security, broadcast, and AV control room environments with full RS-232 integration.

4 WHO THIS IS FOR

AV Integrators

Corporate AV

Higher Education

Hospitality

Healthcare AV

Digital Signage

Ideal User

AV integrator, systems designer, or IT/AV manager specifying signal distribution for permanent commercial installs

Project Types

Corporate boardrooms, higher education lecture halls, hotel in-room AV, healthcare display systems, digital signage networks, broadcast/control rooms

Typical Buyer

AV integrator / systems designer on new construction or retrofit; IT/AV manager with capital equipment budget

5 KANEXPRO PRODUCT COMPARISON

The EXT-4KHD150M2 is KanexPro's full-featured 150m HDBaseT 4K60 kit. Here's how it positions vs. other KanexPro extenders:

MODEL	BEST FOR	KEY CAPABILITY	HOW IT DIFFERS
EXT-4KHD150M2	Long-run 4K60 installs	18Gbps, 120m 4K, HDMI loop, audio de-embed, RS-232, PoC	This product — full-featured 150m kit
EXT-HDBT70M	Short-to-mid 4K60 runs	4K60 up to 70m, IR, RS-232, PoH	Shorter range; no HDMI loop-out; no audio de-embed
EXT-HDBT150M	1080p long-run installs	1080p up to 150m, IR, RS-232	4K limited to 40m; lower bandwidth tier
EXT-HDBT3ARC-100M	HDBaseT 3.0 + eARC/USB	eARC, USB 2.0, 100m, Ethernet	Adds eARC/USB; shorter max distance; higher price

► EXT-4KHD150M2 is the right choice when the run exceeds 70m, 4K60 is required, and audio de-embed or local monitoring is needed.

6 FREQUENTLY ASKED QUESTIONS

What is the maximum 4K60 distance?

394ft / 120 meters for 4K2K@60Hz 4:4:4 over Cat5e/6. Up to 150m for 1080p.

Does this support HDR10+ and Dolby Vision?

Yes — HDR, HDR10+, Dolby Vision, and HLG are all fully supported.

Can I power only one end of the kit?

Yes. PoC allows either TX or RX to be powered via the 24V/1A locking adapter; the other unit draws power over the Cat cable.

How do I integrate with a control system?

Use the 3-pin Phoenix RS-232 connector on TX or RX. RS-232 commands pass through bidirectionally.

What cable type is required?

Cat5e or Cat6 unshielded twisted pair. Premium High Speed HDMI recommended for HDMI runs.

The connection indicator is flashing — what does that mean?

Flashing = poor TX/RX connection. Check cable termination, verify Cat run integrity, confirm no sharp bends.

How does this compare to a basic HDBaseT kit?

Full 18Gbps uncompressed bandwidth, HDMI loop-out on TX, analog audio de-embed on RX, bidirectional RS-232 + IR + CEC, PoC, and locking power connector in a compact metal chassis.