

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



1 PRODUCT OVERVIEW

DESIGNED FOR

AV integrators specifying large-venue, broadcast, healthcare, or future-proof 8K installations requiring single-cable HDMI 2.1 extension beyond 100m.

THE CHALLENGE

No affordable HDBaseT extender previously offered 8K capability with distances beyond 100m over a single CAT6 cable. Fiber solutions exist but at 3–5× the cost.

THE KANEXPRO ADVANTAGE

HDMI 2.1 / 48Gbps input, 8K@30Hz to 40m, 4K60 4:2:0 to 100m, 1080p to 150m. Analog audio de-embed on both TX and RX. 7-mode DIP EDID. Locking HDMI on TX. At \$299.95 MSRP — significantly below competing 8K solutions.

2 PRODUCT POSITIONING

EXT-HD8K-150M is the 8K-ready commercial extender for AV integrators who need HDMI 2.1 signal delivery at 150 meters over a single CAT6 cable without the cost of optical fiber.

3 APPLICATIONS



Large-Venue Displays

Extend 8K or 4K60 sources from a machine room to an auditorium or stadium display up to 492ft over existing CAT6 infrastructure.



Corporate AV

Drive boardroom displays from a central rack at 4K60 with full RS-232 and IR control system integration over the same CAT6 cable.



Education

Connect campus media servers to lecture hall projectors or 8K displays at distances that exceed standard HDMI and standard HDBaseT 4K limits.



Healthcare

Deliver 8K surgical imaging or 4K patient room content from a central server to remote OR displays over a single CAT6 run.



Digital Signage

Connect 8K media players in secure server rooms to large-format public displays at distances up to 492ft over a single cable.



Broadcast/Control Rooms

Extend 8K or 4K120 sources to operator displays with RS-232 and IR pass-through for full automation integration.

4 WHO THIS IS FOR

AV Integrators

Corporate AV

Education

Hospitality

Healthcare

Digital Signage

Ideal User

AV integrator or systems engineer specifying large-venue, broadcast, or 8K-ready installations.

Project Types

Large venues, broadcast, corporate AV, higher education, healthcare imaging, digital signage.

Typical Buyer

AV integrator (specifier), AV director or IT manager (approver).

5 KANEXPRO PRODUCT COMPARISON

The EXT-HD8K-150M is KanexPro's 8K/HDMI 2.1 flagship extender in the HDMI Pro line:

MODEL	BEST FOR	KEY CAPABILITY	HOW IT DIFFERS
EXT-4KHD150M2	Extenders > HDMI Pro	Both extend to 150m	EXT-4KHD150M2: 18Gbps 4K60 4:4:4, HDMI loop-out, audio de-embed on RX only; EXT-HD8K-150M: 48Gbps 8K, audio de-embed on both TX+RX
EXT-HDBT70M	Extenders > HDMI Pro	Both HDBaseT kits	EXT-HDBT70M: 70m max, 10.2Gbps; compact UltraSlim form factor for tight installs
EXT-HD4KEARC-70M	Extenders > HDMI Pro	HDBaseT 4K kit	EXT-HD4KEARC-70M: adds eARC/ARC return; 70m max; HDBaseT 3.0 VS310

► See positioning statement above.

Q: Does it support 8K@60Hz?

No. 8K input is accepted at 8K@30Hz (TX HDMI 2.1 input). The RX HDMI 2.0 output delivers up to 4K@60Hz to the display. For native 8K@60Hz display, use an HDMI 2.1 direct connection.

Q: Can it power the RX from the TX?

Yes. 24V PoC allows the TX to power the RX over the same CAT6 cable. One power outlet at the source end is sufficient.

Q: Why buy this vs. a standard 4K extender?

At \$299.95 you get HDMI 2.1 input, 8K@30Hz capability, 4K60 to 100m, 1080p to 150m, audio de-embed on both TX and RX, and a 7-mode DIP EDID manager. Standard 4K extenders at this price have none of these.

Q: Does it work with CAT5e or CAT7?

CAT6 is minimum. CAT6a or CAT7 is strongly recommended for distances approaching 150m or when running 4K60 content. CAT5e is not supported.

Q: Is the EDID manager user-configurable in the field?

Yes. 7 DIP switch positions cover the most common EDID scenarios (1080p, 4K30, 4K60 in 2CH and 7.1CH audio, plus copy-from-sink) with no laptop or software required.

Q: Does it work with Crestron / AMX control systems?

Yes. Bidirectional RS-232 via 3-pin phoenix is compatible with all major control systems. IR pass-through covers devices without RS-232.

Q: Is reseller margin available?

Yes. At \$299.95 MSRP, standard reseller margin applies with room for project-based negotiation on multi-unit orders.