

4K60 1×4 HDMI Distribution Amplifier over CAT6 — 150m/492ft

Extend One Source to Four Receivers with HDR, HDCP 2.2, PoC & Balanced Audio Extraction

MPN: SP-1X4HD150M



1 PRODUCT OVERVIEW

DESIGNED FOR

AV integrators building multi-display installations in education, worship, corporate, and hospitality venues where cable runs exceed 60m.

THE CHALLENGE

Standard HDMI cables max out at 15m, and basic HDBaseT splitter kits top out at 60–70m. Large lecture halls, sanctuaries, and multi-room campuses require 100m+ runs — forcing integrators to chain repeaters or use fiber.

THE KANEXPRO ADVANTAGE

The SP-1X4HD150M delivers uncompressed 4K60 4:4:4 at 120m and 1080p at 150m from a single TX with PoC to all 4 receivers — no additional power supplies, no repeaters, no signal degradation. Balanced audio output and locking DC power put it above consumer-grade kits.

2 PRODUCT POSITIONING

SP-1X4HD150M is the long-range 1×4 HDMI distribution kit for AV integrators who need 4K60 4:4:4 at 120m and 1080p at 150m without running separate power to each receiver.

3 APPLICATIONS

Lecture Halls

Extend podium HDMI to ceiling projectors across large auditoriums. PoC eliminates power drops at each projector.

Houses of Worship

Distribute camera/graphics from stage to sanctuary, lobby, cry room, and overflow. Bi-directional IR controls source from any RX.

Corporate Conference

Route boardroom presentations to four breakout rooms. RS-232 integrates with Crestron/Extron control.

Retail Signage

Split media player to four display endpoints across a storefront. PoC keeps receiver installs clean.

Hospitality

Send cable/streaming to multiple TVs in restaurants, bars, or hotel lobbies. HDCP 2.2 ensures protected content plays.

Healthcare / Command

Distribute dashboards or surgical feeds to observation displays. Metal enclosure and ESD protection for 24/7 environments.

4 WHO THIS IS FOR

AV Integrators

IT/Facilities Managers

Education

Worship

Corporate AV

Hospitality

Ideal User

Commercial AV integrator (PM or lead tech), 30–55, specifies via B&H, Anixter/WESCO, manufacturer sites. Values reliability and control integration over lowest price.

Project Types

Corporate AV, Higher Education, Houses of Worship, Hospitality, Healthcare, Retail Digital Signage

Typical Buyer

AV project manager, IT/facilities director, or procurement officer at mid-size institutions. Purchases through distributor PO with 30-day net terms.

5 KANEXPRO PRODUCT COMPARISON

KanexPro offers multiple HDMI distribution solutions. Here is how the SP-1X4HD150M fits alongside other models in the lineup:

MODEL	BEST FOR	KEY CAPABILITY	HOW IT DIFFERS
SP-HDPOC1X4	1×4, 60m range	4K60, PoC, audio extract	SP-1X4HD150M extends 2.5× further (150m vs. 60m)
SP-HDPOC1X8	1×8, 60m range	8 outputs, PoC, audio	More outputs but shorter range. Choose when count > distance.
SP-1X8HD150M	1×8, 150m range	150m, 18Gbps, 8 RX	Same range, 8 outputs. For 5–8 display installs.
SP-HDMI2X4-8K	2×4 matrix, 8K	48Gbps, per-output scaling	HDMI-only (no CAT extension). Local matrix, not extended distribution.

Choose SP-1X4HD150M when cable runs exceed 60m and you need up to 4 displays with full 4K60 HDR.

6 FREQUENTLY ASKED QUESTIONS

Q: Why is this \$1,350 when OREI sells a similar kit for \$429?

OREI carries a 1-year warranty vs. KanexPro's 3-year, uses a barrel-jack PSU vs. locking DC, and lacks balanced audio output. For permanent commercial installs, the truck roll to replace a failed unit exceeds the price difference.

Q: How does this differ from the SP-HDPOC1X4 (60m)?

The HDPOC1X4 extends 4K60 to 35m and 1080p to 60m. The SP-1X4HD150M pushes 4K to 120m and 1080p to 150m with a higher-powered 24V supply and larger TX chassis.

Q: Can I mix 4K and 1080p displays?

Yes. The 27-preset EDID DIP switch and RS-232 EDID commands let you lock input EDID to the lowest common denominator or copy from any individual output.

Q: Does it pass Dolby Atmos / DTS:X?

The HDMI path passes up to 7.1ch HD audio including TrueHD and DTS-X. Coaxial de-embed supports PCM 2.0, DD, and DTS 5.1 (not lossless).

Q: What cable should I use?

CAT6/6a/7 STP (shielded twisted pair) with solid copper conductors. Avoid CCA. CAT5e works at shorter distances but is not guaranteed at 120m for 4K.

Q: Can I control it from Crestron/Extron?

Yes. The TX has a 3-pin phoenix RS-232 port (115200/8/N/1) with a full ASCII command set. RS-232 also passes through to each receiver for display control.

Q: Do receivers need separate power?

No. All 4 receivers are powered via PoC from the TX over the same CAT cable. Ships with a 24V/2.7A locking power adapter.