

HDMI Extender over Cat5e/6 — 70M (1080p) / 40M (4K@30Hz)

4K@30Hz | HDMI Loop-Out | EDID Copy | Dolby TrueHD | DTS-HD | 3-Year Warranty

MPN: EXT-HD50C



1 PRODUCT OVERVIEW

DESIGNED FOR

AV integrators and IT teams specifying HDMI extension for conference rooms, digital signage, education, healthcare, and residential installations where 4K@30Hz or extended 1080p reach over Cat5e/6 is required.

THE CHALLENGE

Standard HDMI cables fail beyond 15M. The EXT-HD50C bridges source and remote display over existing Cat5e/6 infrastructure at up to 70M for 1080p or 40M for 4K@30Hz — without fiber extenders or complex configuration.

THE KANEXPRO ADVANTAGE

4K@30Hz support, selectable EDID copy (local/remote), HDMI loop-out for cascading or local monitoring, and 70M 1080p reach — all at \$104.95 MSRP with 3-year warranty. Distinct from HDEXT50M which is 1080p-only at 50M.

2 PRODUCT POSITIONING

The EXT-HD50C is the compact, cascadeable HDMI extender for integrators who need 4K@30Hz or extended 1080p reach up to 70M over Cat5e/6 with local monitoring and EDID copy — at a value price point.

3 APPLICATIONS



Digital Signage & Retail

Extend HDMI from media players to displays across retail floors, lobbies, and drive-through menus — up to 70M at 1080p over Cat6 with zero latency.



Conference Rooms & Boardrooms

Drive room displays from AV closets or lecterns — HDMI loop-out lets you monitor locally at the source while the remote display shows the same content.



Education & Lecture Halls

Extend a computer or document camera to a projector or classroom screen up to 70M. EDID copy ensures the source always detects the correct display.



Residential & Home Theater

Run HDMI from a media room rack to displays in other rooms. Cascade multiple extenders via HDMI loop-out for multi-room distribution.



Healthcare & Clinical AV

Deliver HD content to waiting room displays, patient room TVs, or clinical workstations from a central source — compact chassis fits in tight spaces.



Cascaded Multi-Display Setups

Use the HDMI loop-out to cascade additional EXT-HD50C units — chain multiple extenders to reach displays across large facilities.

4 WHO THIS IS FOR

AV Integrators

IT Infrastructure

Education

Healthcare

Digital Signage

Residential

Ideal User

AV integrator or IT lead specifying HDMI extension over Cat infrastructure for commercial, education, or residential projects.

Project Types

Corporate AV, Education, Healthcare, Digital Signage, Residential, Hospitality.

Typical Buyer

AV Project Engineer, IT Director, or custom integrator specifying HDMI infrastructure BOM.

5 KANEXPRO PRODUCT COMPARISON

The EXT-HD50C fits within the KanexPro HDMI extender lineup — choose by resolution and distance requirements.

MODEL	BEST FOR	KEY CAPABILITY	HOW IT DIFFERS
EXT-HD50C	4K@30Hz / 1080p Extender Cat5e/6	70M 1080p, 40M 4K@30Hz, EDID copy, cascade	This SKU — best value for 4K@30Hz or long 1080p
HDEXT50M	1080p Extender Cat5 50M	50M 1080p, EQ button, FCC/CE/UL	1080p only, shorter reach; FCC certified
EXT-50M18G	4K@60Hz Extender Cat5e/6 50M	4K@60Hz, HDMI loop-out, RS-232	4K@60Hz — step up from EXT-HD50C
EXT-4KHD70M	4K@60Hz Extender Cat6 70M	4K@60Hz HDR, zero latency, ARC S/PDIF	Premium 4K@60Hz for demanding installs

► EXT-HD50C — \$104.95 MSRP — Best value for 4K@30Hz or 70M 1080p over Cat5e/6

6 FREQUENTLY ASKED QUESTIONS

Q: What is the maximum distance for 4K and 1080p?

Cat6: 70M (230 ft.) at 1080p / 40M at 4K@30Hz. Cat5e: 60M at 1080p / 35M at 4K@30Hz. Use shielded twisted pair (STP) cable with proper grounding for best results at maximum distances.

Q: How does the EDID copy function work?

The TX can be set to read EDID from either the local loop-out display ("local" mode) or the remote receiver display ("remote" mode). This ensures the HDMI source always outputs at the correct resolution for the target display — critical when local and remote displays have different capabilities.

Q: Can the HDMI loop-out cascade to another extender?

Yes — connect the TX HDMI loop-out to the HDMI IN of a second EXT-HD50C transmitter to chain additional displays. Set EDID mode to "local" on the first TX so it reads the second display's EDID downstream.

Q: Is it compatible with 4K 60Hz sources and displays?

The EXT-HD50C supports 4K@30Hz (HDMI 1.4). For 4K@60Hz, use the EXT-50M18G (4K@60Hz over Cat5e/6, 50M) or the EXT-4KHD70M (4K@60Hz over Cat6, 70M).

Q: Does it need external power?

Both TX and RX require DC 5V/1A power — included adapters provided. Neither unit draws power from the HDMI source.

Q: Is any configuration required?

No — plug-and-play with automatic EDID negotiation. The only optional setting is selecting local vs. remote EDID copy mode via a switch on the TX unit.

Q: How does it compare to HDEXT50M?

EXT-HD50C adds 4K@30Hz support, EDID copy mode (local/remote selectable), longer 1080p reach (70M vs. 50M on Cat6), and cascading loop-out — at the same \$104.95 MSRP. Choose EXT-HD50C for projects requiring 4K or longer 1080p runs.