

## HDMI Extender over CAT5/6 — 50M (1080p)

MPN: HDEXT50M

1080p@60Hz | HDMI Loop-Out | Bi-directional IR | HDCP 1.4 | FCC/CE/UL | Plug and Play

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### 1 PRODUCT OVERVIEW

#### DESIGNED FOR

AV integrators and residential installers extending HDMI 1080p over existing Cat5 infrastructure in cost-sensitive projects where 4K is not required.

#### THE CHALLENGE

Long HDMI runs fail beyond 15M. New HDMI cable pulls are expensive and disruptive. The HDEXT50M leverages existing Cat5 cabling — no new cable runs needed.

#### THE KANEXPRO ADVANTAGE

FCC/CE/UL certified, ultra-compact 13mm-thin chassis, HDMI loop-out, built-in EQ, bi-directional IR, and Micro USB power at \$104.95 MSRP — lowest total cost for 1080p extension.

### 2 PRODUCT POSITIONING

*The HDEXT50M is the hdmi extender over cat5/6 — 50m (1080p) for integrators who need FCC/CE/UL certified, ultra-compact 13mm-thin chassis, HDMI loop-out, built-in EQ in a plug-and-play, zero-configuration package.*

3 APPLICATIONS



Control Rooms & Monitoring

Extend 4K (18G) or 1080p HDMI from rack sources to operator displays up to 50M over Cat5e/6.



Digital Signage & Retail

Drive displays from media players across retail floors and lobbies using existing Cat5e/6 infrastructure.



Conference & Huddle Spaces

Deliver HDMI from AV closets to displays with HDMI loop-out for local source monitoring.



Education & Classrooms

Extend from lectern to classroom displays over Cat5e — cost-effective alternative to long HDMI cables.



House of Worship

Distribute HDMI from presentation systems to screens across sanctuaries and overflow areas.



Home Theater & Entertainment

Extend HDMI from media servers to remote rooms over existing Cat5 — no new cable runs required.

4 WHO THIS IS FOR

AV Integrators

Corporate AV

Education

Healthcare

Digital Signage

Hospitality

Ideal User

AV systems integrator or IT infrastructure lead specifying HDMI distribution infrastructure for commercial, education, or government installations.

Project Types

Corporate AV, Education, Healthcare, Digital Signage, Government, Hospitality, House of Worship.

Typical Buyer

AV Project Engineer or IT Director specifying HDMI infrastructure BOM.

5 KANEXPRO PRODUCT COMPARISON

The HDEXT50M fits within KanexPro's HDMI extender lineup alongside complementary products for different distance and feature requirements.

| MODEL          | BEST FOR                       | KEY CAPABILITY                 | HOW IT DIFFERS                             |
|----------------|--------------------------------|--------------------------------|--------------------------------------------|
| EXT-4KHD70M    | 4K HDMI Extender Cat6 70M      | 4K@60Hz, ARC, IR               | Standard point-to-point, no KVM or cascade |
| EXT-HDMIKVM70M | 4K HDMI KVM Extender Cat6 70M  | 4K@60Hz + USB 2.0 KVM          | Adds KVM for keyboard/mouse/PTZ control    |
| EXT-HDMICAS70M | 4K HDMI Cascading Kit Cat6 70M | 4K@60Hz + up to 10 RX          | Multi-display distribution from one TX     |
| EXT-50M18G     | 4K HDMI Extender Cat5e/6 50M   | 4K@60Hz, HDMI loop-out, RS-232 | 50M reach with local preview monitor       |

▶ HDEXT50M — \$104.95 MSRP

**Q: What cable type is required and what distance is supported?**

Cat5 or Cat5e — up to 50M (164 ft.). Shielded twisted pair recommended for best signal integrity.

**Q: Does the transmitter and receiver need to be the same brand/model?**

Yes — the TX and RX units in each kit are matched pairs and must be used together. The TX and RX in this kit are pre-matched for compatibility.

**Q: Is any configuration or firmware required?**

No — all KanexPro HDMI extenders in this series are plug-and-play. Connect Cat cable between TX and RX, connect HDMI at each end, and power on. EDID is automatically managed.

**Q: Does the HDMI loop-out on the TX support the same resolution as the main output?**

Yes — the HDMI loop-out on the TX unit carries the same source signal as the extended output, allowing a local confidence monitor or secondary display at full resolution.

**Q: What power supply is required?**

5V DC via Micro USB (1A). Micro USB power supplies are included in the kit.

**Q: Is this compatible with HDMI switches, matrix switchers, and AV receivers?**

Yes — the extender is compatible with any HDMI 2.0 source or display. It works downstream of HDMI switchers and matrices, and upstream of AV receivers and displays. EDID management ensures proper handshake in multi-device signal chains.

**Q: What warranty does KanexPro provide?**

KanexPro backs this product with a 3-year parts and labor limited warranty. Contact [sales@kanexpro.com](mailto:sales@kanexpro.com) for warranty service.