

4K60Hz 18Gbps HDMI Extender over Cat5e/6 — 50M

MPN: EXT-50M18G

4K@60Hz | 18Gbps | HDMI Loop-Out | HDR | RS-232 | Bi-directional IR | 3-Year Warranty

MPN: EXT-50M18G



1 PRODUCT OVERVIEW

DESIGNED FOR

AV integrators requiring 4K extension over Cat5e/6 up to 50M with local display monitoring capability and RS-232/IR control pass-through.

THE CHALLENGE

Standard HDMI cables fail beyond 15M at 4K. The EXT-50M18G bridges source and display over existing Cat5e/6 infrastructure with no new cabling investment beyond the extender pair.

THE KANEXPRO ADVANTAGE

HDMI loop-out on TX (rare at this price point), RS-232 + IR dual control, and HDR 4:4:4 in an ultra-slim 18mm chassis at \$249.95 MSRP.

2 PRODUCT POSITIONING

The EXT-50M18G is the 4k60hz 18gbps hdmi extender over cat5e/6 — 50m for integrators who need HDMI loop-out on TX (rare at this price point), RS-232 + IR dual control, and HD 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 EXT-50M18G 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

► EXT-50M18G — \$249.95 MSRP

6 FREQUENTLY ASKED QUESTIONS

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

Cat5e or Cat6 — up to 50M (164 ft.). Shielded twisted pair (STP) with proper grounding recommended.

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?

DC 12V/1A. Power supply included.

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 for warranty service.

sales@kanexpro.com | www.kanexpro.com