

Long-Range 4K HDMI over HDBaseT Extender Kit — 150M / 492ft




18Gbps 4K60 4:4:4 HDR Extension with HDMI Loop, Audio De-embed, RS-232 & Bi-directional IR over Single Cat5e/6

MPN: EXT-4KHD150M2



Extends 4K HDMI, RS-232, and bi-directional IR up to 150 meters over a single Cat5e/6 cable — eliminating the signal degradation and distance limitations that plague standard HDMI runs. The EXT-4KHD150M2 delivers uncompressed 4K2K@60Hz 4:4:4 at distances up to 120 meters and 1080p at up to 150 meters, with full HDCP 2.2 compliance and support for HDR, HDR10+, Dolby Vision, and HLG.

Designed for commercial AV installations where sources and displays are separated by long cable runs, the extender includes an HDMI loop output on the transmitter for local monitoring, de-embedded analog stereo audio on the receiver, and Power over Cable (PoC) so only one end requires a power adapter. The compact metal enclosure with mounting ears fits standard AV rack environments.

 4K60 4:4:4 HDR 18 Gbps	 150M 492ft over Cat5e/6	 HDR10+ Dolby Vision & HLG	 PoC Single Power Adapter	 RS-232 Bi-dir IR & Control
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KEY FEATURES

- HDCP 2.2 / HDCP 1.4 and DVI 1.0 compliant
- Supports 18Gbps video bandwidth
- Extends 4K2K up to 394ft / 120M and 1080p up to 492ft / 150M over a single Cat5e/6 cable
- Supports one HDMI loop output on the transmitter for local monitoring
- De-embedded audio to analog stereo output on receiver
- Bi-directional IR, RS-232, and CEC pass-through
- HDR, HDR10+, Dolby Vision, and HLG supported
- Supports PoC (Power over Cable) — only one end requires a power adapter
- Compact metal enclosure with mounting ears for easy rack installation

SPECIFICATIONS

HDCP / Video BW	HDCP 2.2 / 1.4 • DVI 1.0 • 18Gbps
Max Resolution	4K2K@60Hz 4:4:4 • 1080p/i • 720p • 480p/i • All PC incl. 1920x1200
Color Depth	8/10/12-bit (1080P60, 4K30, 4K60 YCbCr) • 8-bit (4K60 4:4:4)
HDR / Audio	HDR • HDR10+ • Dolby Vision • HLG • LPCM 2.0–7.1 • Dolby TrueHD • DTS-X
TX I/O	HDMI IN • HDMI OUT (Loop) • HDBT OUT • IR IN/OUT • RS-232 • SERVICE
RX I/O	HDBT IN • HDMI OUT • AUDIO OUT (3.5mm) • IR IN/OUT • RS-232 • SERVICE
Extension Range	4K: 394ft / 120M • 1080p: 492ft / 150M (Cat5e/6)
PoC	Bi-directional — TX or RX powered; other unit draws over cable
Enclosure	Metal • Black • 5.51" × 2.56" × 0.71" (WxDxH) / 140x65x18mm • TX: 0.35 lbs (160g) / RX: 0.34 lbs (155g)
Power	AC 100–240V → DC 24V/1A (Locking) • 9.36W
Environment	32–104°F / 0–40°C • 20–90% RH

PACKAGE CONTENTS

- 1× TX Extender • 1× RX Extender • 1× IR Blaster cable (1.5m) • 1× IR Receiver cable (1.5m) • 4× Mounting Ear • 2× 3-pin Phoenix connector • 1× 24V/1A Locking Power Adapter • 1× User Manual

