HDBaseT 3.0 4K HDMI Extender Kit with eARC & USB 2.0 — 328ft

Extend Uncompressed 4K@60Hz 4:4:4, eARC/ARC Audio Return, USB 2.0, IR, RS-232 & Gigabit Ethernet Over a Single CAT6A/7 Cable

MPN: EXT-HDBT3ARC-100M

Extends uncompressed 4K@60Hz 4:4:4 HDMI, eARC/ARC audio return, USB 2.0, and control signals up to 328 feet over a single CAT6A/7 cable. The KanexPro EXT-HDBT3ARC-100M is an HDBaseT 3.0 extender kit (transmitter + receiver) that delivers full 18Gbps video bandwidth with eARC/ARC audio routing, bi-directional IR, RS-232, Gigabit Ethernet, and configurable USB 2.0 — eliminating the need for multiple cable runs in long-distance AV installations.

Compliant with HDMI 2.0b and HDCP 2.2, the extender supports HDR10, HDR10+, Dolby Vision, and HLG pass-through alongside Dolby TrueHD, DTS-HD Master Audio, and DSD audio formats. Six eARC/ARC/SPDIF switching scenes provide flexible audio return routing to amplifiers and soundbars. The transmitter supports audio embedding and de-embedding via 3.5mm analog I/O. Bi-directional 24V POC allows a single power supply to power both units.

4K60	**HDBaseT 3.0**	**eARC/ARC**	**USB 2.0**	**POC**
4:4:4 HDR 18 Gbps	100m/328ft CAT6A/7	Audio Return 6 Scenes	KVM Host/ Device	Bi-Directional 24V Power

KEY FEATURES

- HDBaseT 3.0 extends uncompressed 4K@60Hz 4:4:4 at 18Gbps up to 328ft/100m over a single CAT6A/7 cable
- HDMI 2.0b and HDCP 2.2 compliant with HDR10, HDR10+, Dolby Vision, and HLG pass-through
- eARC/ARC audio return from receiver display to transmitter — routes to HDMI IN, HDMI OUT (audio only), and SPDIF OUT ports
- Six input/output switching scenes for flexible eARC, ARC, and SPDIF audio routing configurations
- Transmitter audio embedding and de-embedding via 3.5mm analog stereo I/O
- USB 2.0 transmission with configurable Host/Device mode for KVM and peripheral extension
- Bi-directional IR (20–60KHz), RS-232 (up to 921,600bps), and 1GbE Ethernet pass-through
- Bi-directional 24V POC — power both transmitter and receiver from a single power supply

SPECIFICATIONS

HDMI / HDCP	HDMI 2.0b • HDCP 2.2
Video Resolution	Up to 4K@60Hz 4:4:4 (18Gbps)
HDR Formats	HDR10 • HDR10+ • Dolby Vision • HLG
Audio (Pass-through)	LPCM, DD/DD+, TrueHD, Atmos, DTS, DTS-HD MA, DSD
Audio (De-embed)	SPDIF: LPCM 2.0, AC3 5.1, DTS 5.1 • L/R: PCM 2.0
eARC/ARC	6 switching scenes • SPDIF reverse • Audio embed/de-embed
USB / Ethernet	USB 2.0 (350Mbps, Host/Device) • 1GbE Ethernet
Control	Bi-directional IR (20–60KHz) • RS-232 (921,600bps)
Distance	100m/328ft via single CAT6A/7
Enclosure / Power	Metal • Black • 170×102×22mm • 24V/1A POC • 15.36W

PACKAGE CONTENTS

1× Transmitter • 1× Receiver • 1× IR Blaster Cable • 1× IR Receiver Cable • 2× Phoenix Connectors • 4× Mounting Ears • 8× Machine Screws • 1× 24V/1A Power Supply • 1× User Manual