

PS-HEP-70 | 4K HDMI HDBaseT EXTENDER

HDMI | HDBaseT | IR EXTENSION | EDID CONTROL | PoC | UP TO 70 m



TRANSMITTER (TX)



RECEIVER (RX)

4K UHD

Video support

70 m

Maximum reach

PoC

Single-end power

BI-DIR IR

Remote control

PRODUCT OVERVIEW

The Peapsonic PS-HEP-70 is a compact HDMI over HDBaseT extender kit designed to carry 4K video, embedded audio, control and power over one category cable. The transmitter provides an HDMI input plus a convenient HDMI loop output, while the receiver delivers HDMI to the remote display.

Integrated EDID selection helps match the source and display, bidirectional IR enables remote device control, and PoC simplifies installation by powering the remote unit through the CAT link. It is ideal for meeting rooms, classrooms, digital signage and control-room displays.

KEY FEATURES

- Extends HDMI video and audio over a single CAT5e/CAT6 cable.
- Maximum transmission distance up to 70 m, depending on signal resolution and cable quality.
- Supports 4K UHD video; transmitter panel provides 1080p / 4K30 EDID selection.
- HDMI loop output at the transmitter for a local confidence monitor.
- PoC sends power across the link, reducing power requirements at the receiver.
- Bidirectional IR pass-through controls source or display equipment from either end.
- Status LEDs at the RJ45 port assist power and link diagnosis.
- Durable metal enclosures with integrated mounting flanges.
- Plug-and-play point-to-point installation; no network switch or software required.
- Suitable for professionally installed AV and display-extension systems.

CONNECTION VIEWS



TX: HDMI loop out / EDID / HDMI input

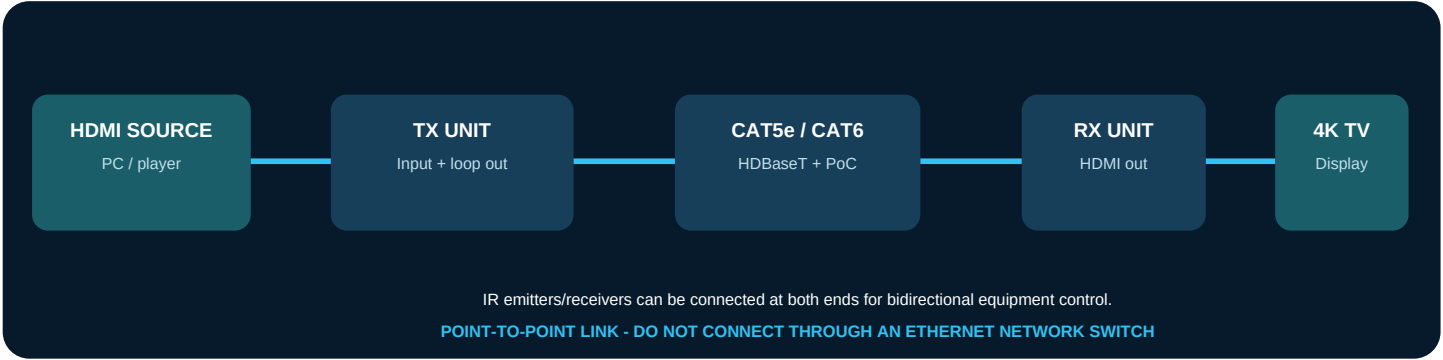


TX: IR / CAT (PoC) / DC 12 V



RX: HDMI output

APPLICATION DIAGRAM - 4K HDMI EXTENSION WITH IR AND PoC



CONNECTOR AND CONTROL GUIDE

TX HDMI INPUT	Connect the primary HDMI source device.
TX HDMI OUTPUT	Local HDMI loop output for a nearby monitor or display.
TX EDID SWITCH	Selects 1080p or 4K30 EDID presentation to the source.
TX IR IN / IR OUT	Connect compatible IR receiver and emitter accessories.
TX CAT (PoC)	RJ45 HDBaseT link to the receiver; carries AV, IR and power.
TX DC 12 V	Connect the supplied 12 V power adaptor to the transmitter.
RX CAT (PoC)	Receives HDBaseT signal and operating power from the transmitter.
RX HDMI OUTPUT	Connect to the remote television, monitor or projector.
RX IR IN / IR OUT	Provides bidirectional infrared control at the display end.

TECHNICAL SPECIFICATIONS

Model	PS-HEP-70	Power method	12 V DC with PoC
Product type	HDMI HDBaseT extender	Topology	Point-to-point TX to RX
Video support	Up to 4K UHD / 4K30	Transmission	Uncompressed HDBaseT link
EDID modes	1080p / 4K30	Audio	HDMI embedded audio pass-through
Max. reach	Up to 70 m	Indicators	RJ45 power / link status LEDs
4K guidance	Up to 40 m at 4K30*	Housing	Black metal enclosure
Cable	CAT5e / CAT6; CAT6 recommended	Mounting	Integrated mounting flanges
HDMI ports	TX input + loop out; RX output	Operation	Plug and play
Control	Bidirectional IR pass-through	Warranty	3 years parts and labour

PACKAGE CONTENTS & APPLICATIONS

- 1 x PS-HEP-70 transmitter
 - IR emitter / receiver accessories
 - Digital signage and retail
- 1 x PS-HEP-70 receiver
 - User guide
 - Control rooms and command centres
- 1 x 12 V power adaptor
 - Meeting rooms and classrooms
 - Hospitality and residential AV

*Transmission distance depends on resolution, cable construction, terminations and site conditions. Use solid-copper CAT6 for best performance.