

4K30Hz HDBaseT HDMI Extender over Cat5e/6 with PoC - 70M

Power the Far End Without an Outlet - Single 12V PoC Supply, Bi-directional IR & RS-232, HDCP 2.2, 4K30 to 40m

MPN: EXT-HDBT70C



The EXT-HDBT70C carries one HDMI source to a distant display over a single Cat5e/6 run, and powers the far end across the same cable — no outlet, no second power brick behind the screen. The kit pairs a transmitter and a receiver in a compact black metal enclosure with mounting ears, driving 1080p to 70 meters and 4K2K@30Hz 4:4:4 to 40 meters over HDBaseT at 10.2 Gbps. Power Over Cable feeds both units from one 12V/1A supply connected at either end, which makes this the right choice for classrooms, huddle rooms, digital-signage endpoints and single-zone residential displays where reach, single-cable installation and embedded control matter more than 4K60 or HDR bandwidth the job never uses.

Bi-directional IR and bi-directional RS-232 pass-through travel inside the same cable as the video, so the far-end display can be switched, powered and volume-adjusted and the head-end source controlled from the remote room, all without pulling a separate control run. The link is HDCP 2.2 compliant for protected 4K sources and built to HDMI 1.4, with ESD-protected ports and status indicators for HDCP state and transmitter-to-receiver link quality. The single strongest advantage is spec-right economy: full HDBaseT transport with PoC, IR and RS-232 control delivered at a 4K30 design ceiling, so integrators standardizing many small rooms are not forced to overbuy an 18 Gbps link.

HDBaseT to 70m	4K30 4:4:4	PoC Powered	Bi-directional IR & RS-232	HDCP 2.2
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KEY FEATURES

- HDBaseT transport carries HDMI, IR and RS-232 over a single Cat5e/6 cable
- 1080p to 70 m; 4K2K@30Hz 4:4:4 to 40 m
- HDMI 1.4, 10.2 Gbps bandwidth, HDCP 2.2 compliant
- PoC: one 12V/1A supply powers both units over the Cat cable
- Bi-directional IR pass-through for far-end display or head-end source
- Bi-directional RS-232 pass-through via 3-pin phoenix connectors
- ESD protection to IEC 61000-4-2 (±8 kV air / ±4 kV contact)
- Compact black metal enclosure with mounting ears

SPECIFICATIONS

HDMI / HDCP	HDMI 1.4 - HDCP 2.2 - 10.2 Gbps
Video Resolution	Up to 4K2K@30Hz 4:4:4
Transport	HDBaseT over single Cat5e/6
Distance	1080p ≤ 70 m - 4K×2K ≤ 40 m
Control	Bi-directional IR + RS-232 (phoenix)
Power Over Cable	One 12V/1A supply powers both ends
ESD Protection	IEC 61000-4-2: ±8 kV air / ±4 kV contact
Power	AC 100-240 V in - DC 12 V/1 A - 10 W max
Enclosure	Black metal with mounting ears
Dimensions (each)	4.72 x 2.91 x 0.63 in (120 x 74 x 16 mm)
Weight (each)	0.53 lbs (0.24 kg)
Operating Temp	32-104 °F (0-40 °C)



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