



BG-EXT-H70P

4K UHD HDMI EXTENDER OVER CAT5E/6 WITH
POC/IR/HDMI LOOP OUT UP TO 131FT FOR 4K30

The BG-EXT-H70P is a high-performance HDMI extender designed to deliver uncompressed, zero-latency video and audio signals over long distances using a single CAT6/5e cable. Supporting resolutions up to 4K@30Hz (YUV 4:4:4) and fully compliant with HDMI 1.4, HDCP 1.4, and DVI 1.0 standards, this extender is an ideal solution for professional AV installations in conference rooms, classrooms, and large-scale display setups.

With transmission distances up to 230 feet (70 meters) for 1080p and 131 feet (40 meters) for 4K@30Hz over CAT6, the BG-EXT-H70P ensures reliable signal extension without compromising quality. It features an HDMI loop-out for local monitoring or cascading to additional extenders, EDID copy functionality for flexible compatibility, and one-way IR pass-through for convenient remote control. Power is delivered from transmitter to receiver via PoC (Power over Cable), simplifying installation with fewer cables.



FEATURES



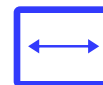
HDCP & DVI COMPLIANCE

Fully compliant with HDCP 1.4 and DVI 1.0 standards



4K VIDEO SUPPORT

Supports resolutions up to 4K@30Hz (YUV 4:4:4)



EXTENDED TRANSMISSION DISTANCE

Up to 230 ft (1080p) / 131 ft (4K30) over CAT6, and 197 ft (1080p) / 115 ft (4K30) over CAT5e



EDID MANAGEMENT

Supports EDID copy from the receiver's display or the HDMI loop-out display for reliable signal negotiation



POWER OVER CABLE (POC)

One-way PoC delivers power from the transmitter to the receiver, simplifying installation



IR PASS-THROUGH

Supports one-way IR signal transmission



TECH SPECIFICATIONS

Technical

HDMI Compliance	HDMI 1.4
HDCP Compliance	HDCP 1.4
Video Bandwidth	10.2Gbps
Video Resolution	Up to 4K@30Hz
Audio Support	Up to 7.1CH HD audio
Input TMDS Signal	3.3 volts
Input DDC Signal	5.0 volts/P-P
ESD Protection	IEC 61000-4-2: ±8kV (Air-gap discharge) & ±4kV (Contact discharge)

Connection

Transmitter	Input: 1 x IN [HDMI Type A, 19-pin female] Output: 1 x OUT [HDMI Type A, 19-pin female] 1 x IR OUT [3.5mm Stereo Mini-jack] 1 x CAT OUT [RJ45, 8-pin female]
Receiver	Input: 1 x IR IN [3.5mm Stereo Mini-jack] 1 x CAT IN [RJ45, 8-pin female] Output: 1 x OUT [HDMI Type A, 19-pin female]

Mechanical

Housing	Metal Enclosure
Color	Black
Dimensions (WxDxH)	3.1in x 2.7in x 0.65in [79.5mm x 69mm x 16.5mm]
Weight	Transmitter: 0.29lb [132g], Receiver: 0.29lb [130g]
Power Supply	12V/1A DC
Power Consumption	Transmitter: 1.86W, Receiver: 0.87W
Operating Temperature	32 - 104°F / 0 - 40°C
Storage Temperature	-4 - 140°F / -20 - 60°C
Operating Humidity	20% - 80% RH (no condensation)
Storage Humidity	10% - 90% RH (no condensation)

Limited Product Warranty Terms

Pro Line: 5-year warranty from the date of purchase for AV/Broadcasting products bought on or after August 1, 2024.

Essential Line: 3-year warranty from the date of purchase for AV/Broadcasting products bought on or after August 1, 2024.

Cables: Lifetime Limited Product Warranty.

For complete warranty information, please visit bzbgear.com/warranty.
For questions, please call 1.888.499.9906 or email support@bzbgear.com.

Pro Line Products
5-YEAR WARRANTY

Essential Line Products
3-YEAR WARRANTY

Cables Products
LIFETIME WARRANTY