![BZBGEAR logo]

# BG-EXH-150C

*4K 18Gbps HDMI HDBaseT Extender with Bi-directional IR RS-232 and CEC up to 150m/495*

The BG-EXH-150C with HDBaseT technology extends HDMI signals up to 150 m (492 ft) with resolutions up to 4K@60Hz using a single CAT6 ethernet cable. It extends IR and RS-232 signals, so you can control your TV from the source side (e.g., 3rd party control system) or you can control the source (e.g., cable box) from the TV side.

Power over category cable adds more convenience for your setup – only one side (either transmitter or receiver) needs power adapter to be connected to electrical outlet, and to make it secure it has locking connector.

## FEATURES

• 1080P to 150 meters, 4K to 120 meters

• Supports resolutions up to 4K@60fps

• HDR, HDR10+, Dolby Vision, HLG

• PoC – Receiver obtains power over cable from transmitter

• Receiver provides analog audio output for external audio system

• Support 18Gbps video bandwidth

• With bi-directional IR, RS-232 and CEC pass-through

• HDCP 2.2 / HDCP 1.4 and DVI 1.0 compliant

• Support one HDMI loop output on the transmitter

**Technical**

HDCP Compliance: HDCP 2.2 / HDCP 1.4

Video Bandwidth: 18Gbps

Video Resolution: 4K2K@50/60Hz 4:4:4, 4K2K@50/60Hz 4:2:2, 4K2K@50/60Hz 4:2:0, 4K2K@30Hz 4:4:4, 1080p, 1080i, 720p, 720i, 480p, 480i, All HDMI 3D TV formats, All PC resolutions including 1920 x 1200

Color Space: RGB / YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0

Color Depth: 8/10/12-bit (1080p@60Hz, 4K@30Hz, 4K@60Hz YCbCr 4:2:2/4:2:0), 8-bit (4K@60Hz 4:4:4)

HDMI Audio Formats: LPCM 2.0/2.1/5.1/6.1/7.1, Dolby Digital, Dolby TrueHD, Dolby Digital Plus (DD+), DTS-ES, DTS HD Master, DTS HD-HRA, DTS-X

L/R Audio Formats: PCM 2.0

ESD Protection: Human body model: 38kV (Air-gap discharge) & 34kV (Contact discharge)

**Connection**

Transmitter

Inputs: 1x HDMI Type A [19-pin female]; Outputs: 1x HDMI Type A [19-pin female]; 1x HDBT OUT [RJ45, 8-pin female]; Control: 1x IR IN [3.5mm Stereo Mini-jack]; 1x IR OUT [3.5mm Stereo Mini-jack]; 1x RS-232 [Phoenix jack]; 1x SERVICE [Mini-USB, Update port]

Receiver

Inputs: 1x HDBT IN [RJ45, 8-pin female]; Outputs: 1x HDMI Type A [19-pin female]; 1x AUDIO OUT [3.5mm Stereo Mini-jack]; Control: 1x IR IN [3.5mm Stereo Mini-jack]; 1x IR OUT [3.5mm Stereo Mini-jack]; 1x RS-232 [Phoenix jack]; 1x SERVICE [Mini-USB, Update port]

**Mechanical**

Housing: Metal Enclosure

Color: Black

Dimensions: Transmitter / Receiver: 5.5″ (W) x 2.5″ (D) x 0.7″ (H) [140mm (W) x 65mm (D) x 18mm (H)]

Weight: Transmitter: 0.35lbs [160g], Receiver: 0.34lbs [155g]

Power Supply Input: AC 100 - 240V 50/60Hz

Output: DC 24V/1A (Locking connector)

Power Consumption: 9.36 W

Operating Temperature: 32 - 104°F / 0 - 40°C

Storage Temperature: -4 - 140°F / -20 - 60°C

Relative Humidity: 20 - 90% RH (no condensation)

**Resolution / Distance**

4K2K: 394ft / 120M

1080P: 492ft / 150M

**Resolution / Cable Length**

HDMI IN / OUT: 4K@60 - 16ft / 5m; 4K@30 - 32ft / 10m; 1080P@60 - 50ft / 15m

The use of "Premium High Speed HDMI" cable is highly recommended.

# *Industry-Leading Warranty & Support*

BZBGEAR Pro AV products and Cameras come with a three-year warranty. An extended two-year warranty is available for our Cameras upon registration for a total of five years.

We pride ourselves in our Customer Service and seven-days-a-week Tech Support.

Pro AV 3 Year Warranty | Cameras 5 Year Warranty | **Lifetime** Product Support