

## **BG-EXH-100C5**

**4K 18Gbps HDMI HDBaseT Extender with IR/ARC/PoC/RS-232/Ethernet up to 330ft**

The BG-EXH-100C5 is an 18Gbps HDMI extender that extends high-definition audio / video, RS-232, bi-directional IR, and internet signals to a distance of up to 328ft / 100 meters between the transmitter and receiver using a single CAT6/6a cable. Featuring video resolution up to 4K2K@60Hz 4:4:4 and Power over Cable. The integrated bi-directional IR pass-through allows for source and display control. The transmitter supports ARC and local audio extraction.

The BZBGEAR BG-EXH-100C5 extender is a convenient solution for applications requiring long distance HDMI extension over CAT cables.

### **FEATURES**

- Crystal clear images at 4K 60Hz 4:4:4
- Send a 4K signal up to 328ft (100m)
- Power over Cable: Power only needs to be supplied to the either transmitter or receiver allowing for easier installation
- Embed audio through S/PDIF optical
- Control devices via IR either from the receiver or transmitter
- HDCP 2.2 supported to ensure content protection
- 3.5mm mini stereo audio output on receiver
- Rich Colors with HDR, HDR10+, Dolby Vision, HLG
- ARC and audio de-embedding through S/PDIF optical port on receiver



# Specifications

Technical			
HDCP Compliance	HDCP 2.2 / 1.x		
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 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 (1080P60Hz, 4K30Hz, 4K60Hz YCbCr 4:2:2/4:2:0) 8-bit (4K60Hz 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		
SPDIF Audio Formats	LPCM2.0, Dolby Digital, Dolby Digital Plus, DTS		
ESD Protection	Human body model – ±8kV (Air-gap discharge) & ±4kV (Contact discharge)		
Connection			
Transmitter	Input: 1x HDMI Type A [19-pin female] Output: 1x HDBT OUT [RJ45, 8-pin female] 1x SPDIF OUT [S/PDIF] 1x L/R OUT [3.5mm Stereo Mini-jack] 1x LAN [RJ45] 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	Input: 1x HDBT IN [RJ45, 8-pin female] / 1x SPDIF IN [S/PDIF] Output: 1x HDMI Type A [19-pin female] / 1x LAN [RJ45] 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: 163mm [W] x 90mm [D] x 16mm [H]		
Weight	Transmitter: 170g, Receiver: 165g		
Power Supply	Input: AC 100 – 240V 50/60Hz Output: DC 24V/1A (Locking connector)		
Power Consumption	13 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	296ft / 90M		
1080P	328ft / 100M		
Resolution/Cable Length	4K60 – Feet / Meters	4K30 – Feet / Meters	1080P60 – Feet / Meters
HDMI IN / OUT	16ft / 5M	32ft / 10M	50ft / 15M

Note: 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