

**BG-EXH-70C3****4K 18Gbps HDMI Extender with Bi-directional IR/PoC/ARC & Audio De-embedding up to 230ft**

The BG-EXH-70C3 is an 18Gbps HDMI extender can transmit HDMI HD, and IR control signals to a distance of up to 230ft / 70m via a single CAT6/6a cable and the uncompressed, long-distance transmission between the transmitter and receiver is achieved with zero-delay.

These devices are also HDMI 2.0b and HDCP 2.2 compliant ensuring content is protected. The extenders feature bi-directional IR and power over cable(PoC) meaning only one of the units in the pair needs a power supply while IR blaster and receiver cables can be utilized to control devices on either end of the system simplifying a clean installation.

**FEATURES**

- HDMI loop-out to view content locally at transmitter side
- Control devices via IR either from the receiver or transmitter
- HDMI 2.0b and HDCP 2.2 supported to ensure content protection
- HDR, HDR10, HDR10+, Dolby Vision, and HLG supported
- Crystal clear images at 4K 60Hz 4:4:4
- Power over Cable: Power only needs to be supplied to the either transmitter or receiver allowing for easier installation
- Audio Formats: LPCM 7.1, Dolby True HD, DTS HD Master
- EDID copy pass-through
- ARC and audio de-embedding through S/PDIF optical port on receiver



# Specifications

## Technical

HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2
Video Bandwidth	18Gbps
Video Resolution	Up to 4K2K@60Hz RGB/YCBCR 4:4:4
IR Level	5Vp-p
IR Frequency	Wideband 20K-60KHz
Transmission Distance	4K2K@60Hz 4:4:4--70m, 1080P--70m (CAT6/6a cable)
Color Space	RGB 4:4:4, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0
Color Depth	8/10/12bit
HDR	HDR, HDR10, HDR10+, Dolby Vision, HLG
Audio Formats	HDMI: LPCM 7.1CH, Dolby True HD, DTS-HD Master Optical; Dolby 5.1, DTS 5.1, PCM 2.0

## Connection

Transmitter	Input: 1x HDMI IN [Type A, 19-pin female] Output: 1x HDMI OUT [Type A, 19-pin female] / 1x CAT OUT [RJ45] Control: 1x SERVICE [Micro-USB jack] 1x IR IN [3.5mm Stereo Mini jack] 1x IR OUT [3.5mm Stereo Mini jack]
Receiver	Input: 1xCAT IN [RJ45] Output: 1xHDMI OUT [Type A, 19-pin female] / 1xTOSLINK S/PDIF Control: 1xSERVICE [Micro-USB jack] 1xIR IN [3.5mm Stereo Mini jack] 1xIR OUT [3.5mm Stereo Mini jack]

## Mechanical

Housing	Metal Enclosure
Color	Black
Dimensions	Transmitter / Receiver: 90mm (W)×68mm (D)×18mm (H)
Weight	Transmitter: 160g, Receiver: 155g
Power Supply	DC 12V/1A; Supported bi-directional PoC function
Power Consumption	3.36 W (max)
Operating Temperature	32°F ~ 104°F / 0°C ~ 40°C
Storage Temperature	-4°F ~ 140°F / -20°C ~ 60°C
Relative Humidity	20~90% RH (non-condensing)

## 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 <b>3</b> Year Warranty	Cameras <b>5</b> Year Warranty	<b>Lifetime</b> Product Support
-------------------------------------	--------------------------------------	------------------------------------