



BG-EXH-70C4

4K 18Gbps HDMI HDBaseT Extender with IR/ARC/PoC/RS-232 up to 230ft

The BG-EXH-70C4 is an 18Gbps HDBaseT extender that extends HDMI, bi-directional IR control, ARC, and RS-232 control signals to a distance of up to 70m / 230ft over a single CAT5e/6 cable. The HDMI signal is converted to standard HDBaseT, and transmitted using a LAN cable. The bi-directional IR signal pass-through function from the remote easily controls signal source or display devices. The device also supports ARC and PoC. Video resolution is up to 4K2K @60Hz.

FEATURES

- Crystal clear images at 4K 60Hz 4:4:4
- Send a 4K signal up to 230ft (70m)
- 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
- HDMI 2.0b and HDCP 2.2 supported to ensure content protection
- Audio Formats:
HDMI: LPCM 7.1CH, Dolby True HD, and DTS-HD Master
Optical: Dolby 5.1, DTS 5.1, PCM 2.0
- Rich Colors with HDR, HDR10, HDR10+, Dolby Vision, HLG
- 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	70m via a single CAT5e/6 cable
Color Space	RGB, YCbCr 4:4:4, YCbCr 4:2:2
Color Depth	8-bit, 10-bit, 12-bit (1080P) 8-bit (4K60) 8-bit, 10-bit, 12-bit (4K24/30)
HDR	HDR, HDR10, HDR10+, Dolby Vision, HLG
Audio Formats	HDMI: LPCM 7.1CH, Dolby True HD, and 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 HDBT OUT [RJ45] / 1xSPDIF OUT Control: 1x RS-232 [3pin-3.81mm Phoenix connector] 1x SERVICE [Micro-USB jack] 1x IR IN [3.5mm Stereo Mini-jack] 1x IR OUT [3.5mm Stereo Mini-jack]
Receiver	Input: 1x HDBT IN [RJ45] / 1xSPDIF IN Output: 1x HDMI OUT [Type A, 19-pin female] Control: 1x RS-232 [3pin-3.81mm Phoenix connector] 1x SERVICE [Micro-USB jack] 1x IR IN [3.5mm Stereo Mini-jack] 1x IR OUT [3.5mm Stereo Mini-jack]

Mechanical

Housing	Metal Enclosure
Color	Black
Dimensions	Transmitter / Receiver:140mm (W)×65mm (D)×18mm (H)
Weight	Transmitter: 235 g, Receiver: 239 g
Power Supply	DC 24V/1A; Supports bi-directional Power over Cable (PoC) functionality
Power Consumption	9.6 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 3 Year Warranty	Cameras 5 Year Warranty	Lifetime Product Support
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