



## BZB-EXH-50

4K/UHD HDR HDMI EXTENDER OVER SINGLE CAT6/7 UP TO 165FT WITH IR AND HDMI LOOP OUT

The BZB-EXH-50 4K HDMI Extender kit efficiently transmits audio, video, and IR signals across impressive distances of up to 164 feet (50 meters) using a single Cat5e/6/7 cable, delivering resolutions as high as 4K@60Hz. Furthermore, the transmitter features an HDMI loop-out, enabling connection to an additional display. Advanced EDID management is included to streamline integration and eliminate HDMI handshake issues. This extender kit offers one-way IR control, deep color video, and support for various audio formats, including Dolby TrueHD.

These exceptional features, combined with a wallet-friendly price point, make the BZB-EXH-50 the optimal choice for any scenario demanding long-range HDMI extension.

This unit provides a user-friendly one-way IR control feature, designed for easy configuration. To set it up, simply connect your IR receiver to the IR IN port and an IR blaster to the IR OUT port.



## FEATURES



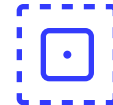
### INDUSTRY COMPLIANT

Compliant with HDMI 2.0, HDCP 1.4/HDCP 2.2, and DVI 1.0 standards



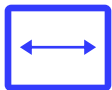
### ADVANCED EDID

Capable of copying the EDID signal from either the transmitter's or receiver's display device



### INSTALLATION FLEXIBILITY

Compact design for straightforward and flexible installation



### EXTENSIVE REACH

Extension distances reaching up to 164 feet (50 meters)



### HDR SUPPORT

Includes support for HDR functionality



### 4K UHD

Supports input and output video resolutions up to a maximum of 4K2K@60Hz in RGB/Ycbcr 4:4:4/Ycbcr 4:2:2



# TECH SPECIFICATIONS

## Technical

HDMI Compliance	HDMI 2.0
HDCP Compliance	HDCP 2.2/HDCP 1.4
Video Bandwidth	18Gbps
Video Resolution	Up to 4K60Hz 4:4:4
Color Space	RGB/YCbCr 4:4:4, YCbCr 4:2:2, YUV 4:2:0
Color Depth	8/10/12-bit
HDMI Audio Formats	LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DSD-HD Master Audio, DSD
ESD Protection	Human body model: +/-8kV (Air-gap discharge) & +/-4kV (Contact discharge)

## Connections

Transmitter	<b>Inputs:</b> 1x HDMI Type A [19-pin female] 1x SERVICE [Micro USB, Update port]
	<b>Outputs:</b> 1x HDMI Type A [19-pin female] 1x IR OUT [3.5mm Stereo Mini-jack] 1x CAT OUT [RJ45, 8-pin female]
Receiver	<b>Inputs:</b> 1x IR IN [3.5mm Stereo Mini-jack] 1x CAT IN [RJ45, 8-pin female] 1x SERVICE [Micro USB, Update port]
	<b>Outputs:</b> 1x HDMI Type A [19-pin female]

## Mechanical

Housing	Metal Enclosure
Color	Black
Dimensions (WxDxH)	4.0in x 2.7in x 0.52in [101.5mm x 69.3mm x 13.3mm]
Weight	Transmitter: 0.33lbs [150g], Receiver: 0.32lb [144g]
Power Supply	<b>Input:</b> AC100 - 240V 50/60Hz, <b>Output:</b> DC 12V/1A (US/EU standards, CE/FCC/UL certified)
Power Consumption	6.36W
Operating Temperature	32° - 104°F / 0° - 40°C
Storage Temperature	-4° - 140°F / -20° - 60°C
Relative Humidity	20 - 90% RH (no condensation)



## 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.

**LIFETIME**  
PRODUCT SUPPORT

PRO AV	CAMERAS
<b>3</b>	<b>5</b>
YEAR WARRANTY	YEAR WARRANTY