



BZB-EXH-50

4K UHD HDMI EXTENDER OVER CAT5E/6 WITH
POC/IR/HDMI LOOP OUT UP TO 165FT

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



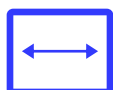
ADVANCED EDID

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	Inputs: 1x HDMI Type A [19-pin female] 1x SERVICE [Micro USB, Update port]
	Outputs: 1x HDMI Type A [19-pin female] 1x IR OUT [3.5mm Stereo Mini-jack] 1x CAT OUT [RJ45, 8-pin female]
Receiver	Inputs: 1x IR IN [3.5mm Stereo Mini-jack] 1x CAT IN [RJ45, 8-pin female] 1x SERVICE [Micro USB, Update port] Outputs: 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	Input: AC100 - 240V 50/60Hz, Output: 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)



Limited Product Warranty Terms

Pro Line: 5-year warranty from the date of purchase for AV/Broadcasting products bought on or after August 1, 2024.

Essential Line: 3-year warranty from the date of purchase for AV/Broadcasting products bought on or after August 1, 2024.

Cables: Lifetime Limited Product Warranty.

For complete warranty information, please visit [bzbgear.com/warranty](https://www.bzbgear.com/warranty).
For questions, please call 1.888.499.9906 or email support@bzbgear.com.

Pro Line Products
5-YEAR WARRANTY

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3-YEAR WARRANTY

Cables Products
LIFETIME WARRANTY