BZB GEAR®

BG-EXH-50C

4K 18Gbps HDMI Extender with Single Directional IR over a Single Cat5e/6 up to 165ft

The BG-EXH-50C is a HDMI 2.0 extender over single CAT5/6 cable. It can extend source signal with resolutions up to 4K@60Hz (4:4:4) for the maximum distance of 165ft (50m).

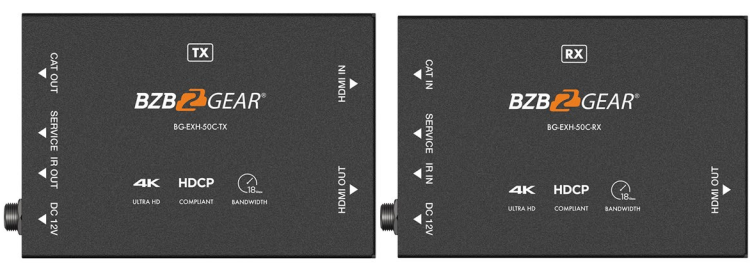
Along with HDMI it has IR transmission feature which allows co control source of the signal from remote location.

Power over category cable eliminates need of the second power adapter. Only one side (transmitter or receiver) will need to be connected to power outlet.

HDMI loop output on the transmitter unit could be used to connect local monitor or use it as an input to another extender or any other HDMI equipment.

FEATURES

- Supports input and output video resolution up to 4k2k@60Hz 4:4:4, extends distance up to 164ft / 50 meters
- Supports HDR function
- HDMI 2.0, HDCP 2.2 / HDCP 1.4 and DVI 1.0 compliant
- Supports one HDMI loop output
- Supports Power over CAT5e/6/7 function
- Supports 18Gbps bandwidth
- Supports one-way IR pass-through
- Supports automatic copy EDID function
- Compact design for easy and flexible installation



Specifications

Technical

HDMI Compliance: HDMI 2.0
HDCP Compliance: HDCP 2.2 / HDCP 1.4
Video Bandwidth: 18Gbps
Video Resolution: Up to 4K@60Hz 4:4:4
Color Space: RGB / YCbCr 4:4:4, YCbCr 4:2:2/4:2:0, YUV 4:4:4
Color Depth: 8/10/12-bit (1080P@60Hz, 4K@30Hz, 4K@60Hz YCbCr 4:2:2/4:2:0) 8-bit (4K@60Hz 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
ESD Protection: Human body model — 38kV (Air-gap discharge) &34kV (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: Transmitter / Receiver: 2.4" (W) x 3.5" (D) x 0.7" (H) [61mm (W) x 88mm (D) x 18mm (H)]
Weight: Transmitter: 0.35lbs [160g]; Receiver: 0.34lbs [155g]

Power Supply Input: AC 100 - 240V 50/60Hz; Output: DC 12V/1A
Power Consumption: 3.84 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
4K@60 - Feet / Meters
CAT5e: 164ft / 50M
CAT6/6a/7: 197ft / 60M
HDMI IN/OUT: 10ft / 3m

4K@30 / 1080P - Feet / Meters
CAT5e: 164ft / 50M
CAT6/6a/7: 230ft / 70M
HDMI IN/OUT: 30ft / 10M

The use of "Premium High Speed HDMI" cable is highly recommended.

DIREKTRONIK