

BG-EXHOC

4K UHD 18Gbps HDMI Extender over Single Coax Cable w/ Bi-directional IR up to 363 ft

The BG-EXHOC is a 4K HDMI signal extender that increases the range of an HDMI input signal up to 110m (363ft) over a single coaxial cable. The use of coaxial cable provides a durable, inexpensive method of transmitting uncompressed HDMI signals over long distances.

The BG-EXHOC can extend HDMI signals to its maximum range with resolutions up to 4K2K@60Hz 4:4:4. The extender is also HDMI 2.0 compliant and supports HDCP 2.2/1.4 input and output. To achieve this level of quality, the unit sends the full uncompressed HDMI signal through the coaxial cable.

**FEATURES**

- Supports resolutions up to 4K@60Hz 4:4:4
- Extend uncompressed HDMI up to 363 feet (110m)
- Bi-Directional IR Passthrough
- Dolby TrueHD, DTS-HD, Dolby Digital Plus, and LPCM 7.1
- Locking BNC connector prevents accidental disconnects
- HDMI 2.0, HDCP 2.2 compliant
- Audio sample rate supports 32KHz, 44.1KHz, 48KHz
- Wall mounting housing design for easy and robust installation
- Uncompressed HDMI over Coaxial cable transmission
- Supports full frequency IR signal from 20KHz to 60KHz



Specifications

HDMI compliance: HDMI 2.0a

HDCP compliance: Yes

Video bandwidth; Single-link 594MHz (18Gbps)

Video support: up to 4K2K@60 4:4:4 8bits

Audio support: Stereo audio

HDMI over Coax transmission range: Ultra HD (4K2K 24-bit color) - up to 110m (363ft)

HDMI Equalization: Auto

Input TMDS signal: 1.2 Volts (peak-to-peak)

Input DDC signal: 5 Volts (peak-to-peak, TTL)

ESD protection: Human body - 315kV (air-gap discharge) & 38kV (contact discharge)

PCB stack-up: 4-layer board (impedance control - differential 100ff; single 50ff)

Input: TX: 1x HDMI/ 1x IR socket; RX: 1x BNC/ 1x IR socket

Output: TX: 1x BNC/ 1x IR socket; RX: 1x BNC/ 1x IR socket

IR remote control: Electro-optical characteristics: $\theta = 25^\circ$ / Carrier frequency: 20-60kHz

HDMI connector: Type A [19-pin female]

BNC connector: 75ff interlocking socket

3.5mm connector: 3.5mm earphone jack for IR blaster to control HDMI source device

Mechanical

Housing: Metal enclosure

Dimensions (L x W x H): Model: TX: 3.5" x 3.7" x 1" [90 x 96 x 25mm]; RX: 3.5" x 3.7" x 1" [90 x 96 x 25mm]

Package: 10.3" x 6.7" x 3.8" [263 x 170 x 97mm]

Carton: 1'7" x 1.2' x 11.3" [512 x 364 x 288mm]

Weight: Model: TX: 4.5oz [127g]; RX: 4.5oz [127g]

Package: 2.5lbs [1140g]

Fixedness: Interlocking power supply

Power supply: 5V DC

Power consumption: TX: 10 Watt (max); RX: 6 Watt (max)

Operation 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.

