

## BG-UDA-E18

1X8 4K UHD 18Gbps HDMI HDBaseT  
Splitter/Distribution Amplifier over Category Cable

The BG-UDA-E18 is a 1x8 4K HDBaseT splitter/extender kit. Supporting resolutions up to 4K@60Hz, users can extend HDMI sources over category 6 cabling at distances up to 390 feet, or up to 490 feet at 1080P@60Hz with the included HDBaseT extenders. With the ability to connect to one local and eight remote displays, this unit is ideally suited for use in restaurants, sports bars, retail spaces, and auditoriums.

Compliant with HDMI 2.0b, HDCP 2.2, and HDCP 1.x, the transmitter offers EDID management to eliminate HDMI connection problems. The transmitter is equipped with an HDMI loop out connection for connection to a local display.

### FEATURES

- Ultra HD refers to a TV resolution of 3840 x 2160 pixels
- Support 1 HDMI input, 1 HDMI loop output and 8 HDBaseT outputs
- Supports LPCM 7.1CH, Dolby TrueHD, and DTS-HD Master
- Power over Cable
- Transmit signal up to 120 meters (390 feet)
- Multiple selectable EDID modes ensure reliable connectivity
- HDMI 2.0b, HDCP 2.2 and HDCP 1.x compliant
- Supports digital and analog audio de-embedded output
- Supports 18Gbps video bandwidth
- Support HDR, HDR10+, HLG and Dolby Vision
- IR, RS-232 routed to HDBaseT output
- Slim components make a clean installation easy



# Specifications

## Technical

HDMI Compliance: HDMI 2.0b

HDCP Compliance: HDCP 2.2/1.x

Video Bandwidth: 594MHz/18Gbps

Video Resolution: Up to 4K2K@60Hz 4:4:4

Color Depth: 8-bit, 10-bit, 12-bit (1080p@60Hz); 8-bit (4K2K@60Hz YUV4:4:4); 8-bit, 10-bit, 12-bit (4K2K@60Hz YCbCr 4:2:2/4:2:0)

Color Space: RGB 4:4:4, YCbCr 4:4:4 / 4:2:2 / 4:2:0

HDR: Support HDR, HDR10+, HLG, Dolby vision

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

Coaxial Audio Formats: PCM 2.0, Dolby Digital / Plus, DTS 2.0/5.1

Analog Audio Formats: PCM 2.0CH

ESD Protection: Human body model: 38kV (Air-gap discharge) & 34kV (Contact discharge)

## Connection

Input: 1x HDMI Type A (19-pin female)

Output: 1x HDMI Type A (19-pin female); 8x HDBaseT OUT [RJ45]; 1x Coaxial Audio OUT [RCA]; 1x L/R Audio OUT [5-pin phoenix connector]

Control: 1x RS-232 (3-pin phoenix connector); 1x EDID DIP switch [5-pin]; 1x IR IN [3.5mm Stereo Mini-jack]; 1x IR OUT [3.5mm Stereo Mini-jack]

## Mechanical

Housing: Metal Enclosure

Silkscreen Color: Black

Dimensions: Transmitter: 17.3"(W) x 5.1"(D) x 1.7"(H) [440mm (W) x 130mm (D) x 44mm (H)]; Receiver: 5.5"(W) x 2.6"(D) x 0.7"(H) [140mm (W) x 65mm (D) x 18mm (H)]

Weight: Transmitter: 3.57lbs [1.62kg]; Receiver: 0.54lbs [246g]

Power Supply Input: AC100 - 240V 50/60Hz, Output: DC 24V/3.75A (US/EU standards, CE/FCC/UL certified)

Power Consumption: 72W

Operation 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.

