

## BG-EXH-70UCWP-W

4K UHD 18GBPS HDBASET HDMI/USB-C/RS-232  
WALL PLATE TRANSMITTER & RECEIVER KIT UP TO  
230FT

Introducing the BG-EXH-70UCWP-W 18Gbps HDBaseT 230ft Wall Plate Kit, a comprehensive solution for advanced signal transmission and distribution. This kit features a USB-C/HDMI Wall Plate Transmitter and an HDBaseT to HDMI Receiver, delivering exceptional performance and versatility for professional AV installations. Enclosed within a sleek US one-gang enclosure compatible with Decora-style wall plate openings, the transmitter functions as a 2x1 switcher and HDBaseT transmitter, supporting HDMI and USB-C inputs.

With support for video resolutions up to 4K2K@50/60Hz 4:4:4 and bidirectional RS-232 pass-through functionality, this kit ensures seamless integration and reliable control signal transmission. Furthermore, the transmitter can be remotely powered via Power Over Ethernet (POE) from the receiver or other HDBaseT-equipped devices, enhancing convenience and flexibility in installation.



## FEATURES



### SUPPORTS HIGH RESOLUTIONS

Up to 4K@120Hz YUV 4:4:4 with DSC function, extending up to 40m (132 feet)



### STANDARDS COMPATIBILITY

Compatible with HDCP 2.3, HDCP 2.2, and HDCP 1.4



### HIGH DYNAMIC RANGE VIDEO

Allows for the vivid display of HDR content



### EDID AND HDCP BYPASS

Streamlines connectivity by bypassing EDID and HDCP protocols when necessary



### DIGITAL STREAM CONVERSION (DSC)

Enables seamless conversion of digital streams, ensuring compatibility with DSC 1.2a standards



### COMPRESSED AUDIO FORMATS

Supports various compressed audio formats, including DTS, Dolby Digital, DTS-HD Master Audio™, and Dolby TrueHD



## TECH SPECIFICATIONS

### Technical

HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2
DP Compliance	Display Port 1.2a (Adapter required for Display Port)
Video Bandwidth	USB-C: 5.4 Gbps HDMI: 18 Gbps
Video Resolution	480i~1080p50/60Hz, 4Kx2K@24/30Hz, 4K2K@60Hz
Color Space	RGB, YCbCr 4:4:4 / 4:2:2, YUV 4:2:0
Color Depth	8/10/12-bit (1080P@60Hz) 8-bit (4K@60Hz)
HDR	Support
HDMI Audio Formats	LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
Transmission Distance	Max distance (1080P) : 230ft / 70m over CAT6/6a/7 Max distance (4K): 131ft / 40m over CAT6/6a/7
ESD Protection	Human body model — ±8kV (Air-gap discharge) & ±4kV (Contact discharge)

### Connection

Transmitter	Receiver
<b>Inputs:</b> 1x HDMI Type A [19-pin female] 1x USB-C <b>Outputs:</b> 1x HDBaseT Out [RJ45, 8-pin female] 1x USB-C (only for charging) <b>Control:</b> 1x RS-232 [3-pin phoenix connector] 1x FW [Micro USB, Update port]	<b>Inputs:</b> 1x HDMI IN [Type A, 19-pin female] 1x HDBaseT IN [RJ45, 8-pin female] <b>Outputs:</b> 1x HDMI OUT [Type A, 19-pin female] 1x AUDIO OUT [Phoenix jack] <b>Controls:</b> 1x RS-232 [3-pin phoenix connector] 1x FW [Micro USB, Update port]

### Mechanical

Housing	Metal Enclosure
Color	White
Dimensions (W x D x H)	<b>Wall plate:</b> 1.31in x 2.6in x 2.7in [33.3mm x 65.7mm x 68.7mm] <b>Faceplate:</b> 2.8in x 0.12in x 4.5in [69.9mm x 3mm x 114.3mm] <b>Receiver:</b> 7.9in x 4.0in x 0.87in [200mm x 102.8mm x 22mm]
Weight	<b>Wall plate:</b> 0.43 lbs [197g], <b>Receiver:</b> 1.1 lbs [517g]
Power Supply	POE (only from Receiver to Transmitter)
Power Consumption	Wall plate: 7.92W (Max), Receiver: 6W (Max)
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.

