

**BZB2GEAR®**

Direktronik Art 20124357

**BG-DA-1X2AS**

**1X2 4K HDMI Splitter with Down-Scaler  
and Audio De-Embedding**

The BG-DA-1X2AS is a 4K HDMI 2.0 splitter. This device takes one 4K@60Hz input signal and splits it into two lossless copies for sharing a single device with two displays. Supporting resolutions up to 4K@60Hz 4:4:4 and HDCP 2.2, this unit is equipped with a selectable 4K to 1080P downscaler for each output, providing support for legacy displays.

Featuring programmable EDID settings, the feature-packed BG-DA-1X2AS provides stable connectivity with any HDMI device. Audio extraction is provided via optical and 3.5mm stereo outputs enabling this unit to send signal to external audio systems. Multiple audio formats are supported, including Dolby TrueHD, DTS-HD, LPCM, and others.

## FEATURES

- Supports resolutions up to 4K@60Hz 4:4:4
- HDMI audio extraction via optical and 3.5mm ports
- HDMI 2.0b, HDCP2.2/HDCP1.4 compliant
- Selectable 4K to 1080P downscaling feature
- Supports all major HDMI audio formats
- EDID can be selected COPY and AUTO modes via dial switch on panel. (COPY: It copies OUT 1 port EDID settings to all output ports; AUTO: Compares OUT 1 and OUT 2 EDID settings and outputs the best resolution to all outputs)
- Supports digital and analog audio extract output from HDMI source



# Specifications

## Technical

HDMI Compliance: HDMI 2.0b

HDCP Compliance: HDCP 2.2 and HDCP 1.4

Video Bandwidth: 18Gbps

Video Resolutions: 720P@50/60Hz, 1080P@50/60Hz, 4K2K@24Hz, 4K2K@30Hz, 4K2K@50/60Hz (4:4:4)

Color Depth: 4K@60Hz 8-bit, 1080P 12-bit

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

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

L/R Audio Formats: PCM 2.0

Optical Audio Formats: LPCM [2.0/2.1]CH, Dolby 5.1, Dolby True HD, Dolby DD+, DTS 5.1, DTS-ES 6, DTS-HDMA 5.1, DTS HD-HRA 5.1

ESD Protection: Human-body Model: 3 8kV (Air-gap discharge), 3 4kV (Contact discharge)

## Connections

Input ports: 1x HDMI Type A [19-pin female]

Output ports: 2x HDMI Type A [19-pin female]; 1x L/R Audio out [3.5mm Stereo Mini-jack]; 1x Optical out [S/PDIF]

## Mechanical

Housing: Metal Enclosure

Color: Black

Dimensions: 4.7"(W) x 2.5"(D) x 0.6"(H) [120mm(W) x 62.5mm(D) x 14mm(H)]

Weight: 0.37lbs [166g]

Power Supply Input: AC100-240V 50/60Hz, Output: DC5V/1A (US/EU standards, CE/FCC/UL certified)

Power Consumption: 2.8W (max)

Operating 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.



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