BZBGEAR®
Amplify Your World™

BG-UHD-DA1X16

1X16 4K UHD HDMI SPLITTER/DISTRIBUTION AMPLIFIER WITH DOWNSCALING AND AOC CABLE SUPPORT



The BG-UHD-DA1X16 is a sixteen port 4K HDMI splitter. Providing connectivity for up to sixteen 4K displays, this device is perfect for large restaurants, bars, and retail spaces with multiple displays sharing a common video feed.

The BG-UHD-DA1X16 supports a maximum input resolution of 4K@60Hz 4:4:4. It is HDCP 2.2 compliant and supports enhanced video formats including HDR 10 and Dolby Vision. With active optical cable (AOC) HDMI support, this device can be used with long-distance AOC HDMI cable runs of up to 165 feet.

The auto-downscaling function of the BG-UHD-DA1X16 provides compatibility with legacy 1080P displays. This helps eliminate compatibility issues and helps the device play nice with lower resolution screens. The device is also HDCP 2.2 compliant. When used with compatible displays, the HDMI CEC control function of the BG-UHD-DA1X16 can control power on and off for connected displays.

CRYSTAL CLEAR IMAGES
Images with resolutions up to 4K@60Hz

MULTIPLE OUTPUTS
Route once source to as many as 16 HDMI outputs

DOWNSCALING
Automatic downscaling to 1080p for legacy displays

DURABLE
Sturdy metal structure built to withstand years of operation

HDCP 2.2
High-Bandwidth Digital Content Protection Supported

AUDIO DE-EMBEDDING
De-embed audio from HDMI and output via Stereo RCA

TECH SPECIFICATIONS

Video

Input	1x HDMI
Input Connector	1x Type-A female HDMI
Input Video Resolution	Up to 4K@60Hz 4:4:4 8bit, HDR10, Dolby Vision
Output	16x HDMI
Output Connector	16x Type-A female HDMI
Output Video Resolution	Up to 4K@60Hz 4:4:4 8bit, HDR10, Dolby Vision, supports 4K to 1080p down-scaling.
HDMI Output	Supports up to 5V100mA power for AOC cable.
HDMI Standard	V2.0
HDCP Version	2.2
HDMI Audio Signal	LPCM 7.1 audio, Dolby Atmos®, Dolby® TrueHD, Dolby Digital® Plus, DTS:X™, and DTS-HD® Master Audio™ pass-through.

Analog Audio Output

Output	1x AUDIO
Output Connector	1x RCA (L+R)
Frequency Response	20Hz~20kHz, ±1dB
Max output level	2.0Vrms ± 0.5dB. 2V=16dB headroom above-10dBV (316mV) nominal consumer line level signal
THD+N	< 0.05%, 20Hz~20kHz bandwidth, 1kHz sine at 0dBFS level (or max level)
SNR	> 80dB, 20Hz~20kHz bandwidth
Crosstalk isolation	< -80dB, 10kHz sine at 0dBFS level (or max level before clipping)
L-R level deviation	< 0.05dB, 1kHz sine at 0dBFS level (or max level before clipping)
Output load capability	1Kohm and higher (supports 10x paralleled 10Kohm loads)
Noise Level	- 80dB

Control Part

Control Port	1x EDID Switch, 1x FW, 1x RS232
Control Connector	1x 4-pin DIP switch, 1x Micro-USB, 1x Female DB9

Limited Product Warranty Terms

Pro Line: 5-year warranty from the date of purchase for AV/Broadcasting products bought on or after August 1, 2024.

Essential Line: 3-year warranty from the date of purchase for AV/Broadcasting products bought on or after August 1, 2024.

Cables: Lifetime Limited Product Warranty.

For complete warranty information, please visit **bzbgear.com/warranty.**
For questions, please call **1.888.499.9906** or email **support@bzbgear.com.**

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LIFETIME WARRANTY

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TECH SPECIFICATIONS

General

Bandwidth	18Gbps
Operation Temperature	23°F ~ 131°F / -5°C ~ +55°C
Storage Temperature	-13°F ~ 158°F / -25°C ~ +70°C
Relative Humility	10%-90%
External Power Supply	Input: AC 100~240V, 50/60Hz; Output: 24V DC 1.25A
Power Consumption	26W (Max)
Dimension (W*H*D)	10.5" x 1.6" x 4.9" [268mm x 40mm x 125mm]
Net Weight	2.5lbs [1.14Kg]



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