

## BG-UHD-DA1X24

**1X24 4K HDMI Splitter with Downscaling and AOC Supported**

The BG-UHD-DA1X24 is a twenty-four port 4K HDMI splitter. Providing connectivity for up to twenty-four 4K displays, this device is perfect for large restaurants, bars, and retail spaces with multiple displays sharing a common video feed.

The BG-UHD-DA1X24 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.

### FEATURES

- HDMI V2.0, 4K@60Hz 4:4:4 8bit, HDR 10, Dolby Vision
- Auto 4K to 1080p downscaling
- CEC and RS232 control
- HDCP 2.2 compliant
- Stereo analog L/R audio output for audio de-embedding from HDMI input
- Compatible with HDMI AOC cable, provides up to 5V100mA power on each output
- Smart EDID management and HDCP management



# Specifications

## Video

Input: (1) HDMI

Input Connector: (1) Type-A female HDMI

Input Video Resolution: Up to 4K@60Hz 4:4:4 8bit, HDR10, Dolby Vision

Output: (24) HDMI

Output Connector: (24) 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: (1) AUDIO

Output Connector: (1) RCA (L+R)

Frequency Response: 20Hz~20kHz, 31dB

Max output level: 2.0Vrms 3 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

Control Port: (1) EDID Switch, (1) FW, (1) RS232

Control Connector: (1) 4-pin DIP switch, (1)

Micro-USB, (1) Female DB9

## General

Bandwidth: 18Gbps

Operation Temperature: 23°F ~ 131°F / -5°C ~ +55°C

Storage Temperature: -13°F ~ 158°F / -25°C ~ +70°C

Relative Humidity: 10%-90%

External Power Supply: Input: AC 100~240V, 50/60Hz; Output: 24V DC 1.25A

Power Consumption: 29W (Max)

Dimension (W\*H\*D): 14.2" x 1.6" x 4.9" [360mm x 40mm x 125mm]

Net Weight: 3.2 lbs [1.44Kg]

## 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.

