# BG-UHD-MVS21A

## 2X1 4K UHD HDMI SEAMLESS SWITCHER/ MULTIVIEWER WITH AUDIO DE-EMBEDDER

The 4K@60 2x1 Multiviewer Seamless UHD Video Switcher is designed to allow you to display multiple video sources at 4K resolution on a single screen. It combines two video signals and allows you to manage each input, create combinations of the two inputs, and adjust their positions on the display.

Besides instant switching between 2 sources the BG-UHD-MVS21A has the ability to display the two video inputs in a Picture-in-Picture (PIP) or Picture-by-Picture (PBP) mode. In PIP mode, one of the video inputs is displayed as a small inset window on top of the other input, which takes up the majority of the screen. In PBP mode, the two video inputs are displayed side-by-side, taking up equal or partial amounts of screen space.

This device supports a wide range of input resolutions up to 4096x2160p 60Hz. It also could de-embed audio from any of the sources in different formats for your external audio system. Supported audio formats are LPCM, AC3, DD+, DTS, DTS- HD. User can control the volume of audio in LPCM format.

Multiple control options are available for the BG-UHD-MVS21A. It can be controlled through the front panel buttons, an IR remote, or RS-232 commands. EDID control is available through the RS-232 interface.

# FEATURES

### SECURE CONTENT
HDMI 2.0b, HDCP 2.2, and HDCP 1.x compliant

### 4K RESOLUTION
Input and output resolutions support up to 4K2K@60 4:4:4

### AUDIO MANAGEMENT
Volume control and independent audio selection

### EDID MANAGEMENT
Seamless scaling for the best results

### CONTROL OPTIONS
Control via front panel buttons, IR remote, RS-232 commands

### COMPACT DESIGN
For easy and flexible installation

# TECH SPECIFICATIONS

## Technical

| | |
|---|---|
| HDMI Compliance | HDMI 2.0b |
| HDCP Compliance | HDCP 2.2 / 1.x |
| Video Bandwidth | 18Gbps |
| Video Resolutions | Up to 4K2K@60 4:4:4 |
| IR Level | 5Vp-p |
| IR Frequency | 38KHz |
| Color Depth | 8-bit |
| Color Space | RGB, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0 |
| Audio Formats | **HDMI:** PCM2.0/5.1/7.1CH, Dolby Digital/Plus, DTS, DTS High Res<br>**Analog audio [3.5mm L/R]:** PCM2.0<br>**SPDIF (OPTICAL):** Dolby Digital, DTS 5.1, PCM2.0<br>**Note:** It does not support HBR audio. |
| ESD Protection | Human-body model:<br>±8kV (Air-gap discharge) & ±4kV (Contact discharge) |
| Input ports | 2 x HDMI IN [Type A, 19-pin female] |
| Output ports | 1 x HDMI OUT [Type A, 19-pin female]<br>1 x L/R OUTPUT [RCA]<br>1 x OPTICAL OUTPUT [S/PDIF] |
| Control ports | 1 x RS-232 [3pin-3.81mm phoenix connector]<br>1 x IR EXT [3.5mm Stereo Mini-jack] |



## 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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**5-YEAR WARRANTY**

Essential Line Products
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Cables Products
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