



BG-MVS4X4-CV

4X4 4K UHD HDMI SEAMLESS MATRIX SWITCHER
AND VIDEO WALL PROCESSOR WITH SCALER/IR/
AUDIO/RS-232

The BG-MVS4X4-CV is a versatile 4x4 seamless HDMI matrix switcher that doubles as a powerful video wall processor, offering flexible video routing and advanced display configurations. In matrix switcher mode, any of the four HDMI inputs can be routed to any of the four HDMI outputs with zero switching delay or image loss. In video wall mode, the unit can split a single HDMI source across 2 to 4 screens, supporting configurations such as 2x2, 4x1, or 1x4 to create an engaging large-format display.

Engineered for high-performance AV applications, the BG-MVS4X4-CV supports input resolutions up to 4K@30Hz and features seamless switching technology for smooth transitions. HDMI output resolutions can be upscaled or downscaled to 720p, 1080p, 1920x1200, or 4K@30Hz, ensuring compatibility with a wide range of display devices. Audio support includes LPCM, Dolby Digital, Dolby Digital Plus, and DTS formats.



FEATURES



FLEXIBLE OUTPUT SCALING

Output resolutions can be upscaled or downscaled to 1080p, 720p, 1920x1200, or 4K@30Hz



4X4 MATRIX MODE

Seamless switching of any input to any output



VIDEO WALL MODE

Supports configurations such as 2x2, 4x1, 1x4, and more



SEAMLESS SWITCHING

Instant transitions with no delay or image loss



AUDIO FORMAT SUPPORT

Compatible with LPCM, Dolby Digital (DD), Dolby Digital Plus (DD+), and DTS



VERSATILE CONTROL OPTIONS

Manage via front panel buttons, IR remote, or RS-232 commands



TECH SPECIFICATIONS

Technical

HDMI Compliance	HDMI 1.4b
HDCP Compliance	HDCP 1.4
Video Bandwidth	10.2Gbps
Input Video Resolution	Up to 4K2K@30Hz
Output Video Resolution	4096x2160p30Hz, 3840x2160p30Hz, 1920x1200p60Hz, 1920x1080p60Hz, 1920x1080p50Hz, 1600x1200p60Hz, 1600x900p60Hz, 1440x900p60Hz, 1360x768p60Hz, 1280x1024p60Hz, 1280x720p60Hz, 1280x720p50Hz, 1024x768p60Hz
Color Depth	8/10/12-bit
Color Space	RGB_4:4:4, YCbCr_4:4:4, YCbCr_4:2:2, YCbCr_4:2:0
IR Level	5Vp-p
IR Frequency	Fixed frequency 38KHz
HDMI Audio Formats	LPCM 2.0, LPCM 5.1, Dolby 2.0, Dolby 5.1, Dolby Digital Plus, DTS 2.0, DTS 5.1
Transmission Distance	4K30: 5m/16ft (HDMI cable) 1080P 4:4:4: 10m/33ft (HDMI cable)
ESD Protection	IEC 61000-4-2: ±8kV (Air-gap discharge) & ±4kV (Contact discharge)

Connection

Input	4x INPUT [HDMI Type A, 19-pin female]
Output	4x OUTPUT [HDMI Type A, 19-pin female]
Control	1x RS-232 [3pin-3.5mm phoenix connector] 1x SERVICE [USB Type C, 24-pin female]

Housing	Metal Enclosure
Color	Black
Dimensions (WxDxH)	8.7in x 4.1in x 0.75in [220mm x 105mm x 19mm]
Weight	1.1 lbs [508g]
Power Supply	Input: AC 100 - 240V 50/60Hz, Output: DC 12V/1A (US/EU standard, CE/FCC/UL certified)
Power Consumption	3.6W (Max)
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20%~80% (relative humidity, non-condensing)
Storage Temperature	10%~90% (relative humidity, non-condensing)

Mechanical

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](https://www.bzbgear.com/warranty).
For questions, please call 1.888.499.9906 or email support@bzbgear.com.

Pro Line Products

5-YEAR WARRANTY

Essential Line Products

3-YEAR WARRANTY

Cables Products

LIFETIME WARRANTY