

BG-8K-KVM41A

8K UHD HDMI 2.1 4X1 KVM SWITCH WITH USB 3.0/
HOTKEY SWITCHING/IR CONTROL

The BG-8K-KVM41A is a high-performance 8K60 4x1 KVM switch designed to simplify multi-computer control without sacrificing video quality or responsiveness. Using a single keyboard, mouse, and display, users can instantly switch between up to four HDMI 2.1 source devices while maintaining ultra-high resolutions, smooth motion, and zero latency. It's an ideal solution for professional workstations, control rooms, content creators, and high-end gaming setups.

With support for 8K@60Hz, 4K@120/144Hz, advanced HDR formats, and USB 3.0 peripheral sharing, the BG-8K-KVM41A delivers a seamless and efficient workflow. Multiple control options - including front panel buttons, keyboard and mouse hotkeys, IR remote, and RS-232 - ensure flexible operation in both desktop and professional AV environments.



FEATURES



8K ULTRA HD PERFORMANCE

Supports resolutions up to 8K@60Hz, 4K@120/144Hz, and 1080p@240Hz with zero latency



HDMI 2.1 & HDCP 2.3 COMPLIANT

Ensures compatibility with the latest video sources and protected content



4X1 KVM CONTROL

Operate up to four computers using a single keyboard, mouse, and display



USB 3.0 PERIPHERAL SHARING

Share USB devices at speeds up to 5Gbps for seamless KVM functionality



MULTIPLE SWITCHING METHODS

Control switching via hotkeys, front panel buttons, IR remote, or RS-232



EDID EMULATION ON EACH INPUT

EDID Emulation on Each Input: Guarantees stable signal output and consistent display behavior



TECH SPECIFICATIONS

Technical

HDMI Compliance	HDMI 2.1
HDCP Compliance	HDCP 2.3
Video Bandwidth	40Gbps
Audio Latency	No Latency
Video Latency	No Latency
Video Resolution	Up to 8K@60Hz, 4K@120Hz/144Hz, 1080P@240Hz
IR Level	5Vp-p
IR Frequency	Fixed frequency 38KHz
Color Space	RGB 4:4:4, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0
Color Depth	8/10/12bit
HDR	HDR, HDR10, HDR10+, Dolby Vision, HLG
CEC	Support
Audio Formats	HDMI IN/OUT: LPCM, Dolby Digital/Plus/EX, Dolby True HD, Dolby Atmos, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DTS:X, DSD L/R OUT: PCM 2.0CH
ESD Protection	IEC61000-4-2: ±8kV (Air-gap discharge), ±4kV (Contact discharge)

Connection

Input Ports	4 x HDMI input [Type A, 19-pin female]
Output Ports	1 x HDMI output [Type A, 19-pin female] 1 x L/R audio output [3.5mm Stereo Mini-jack]
Control ports	1 x RS-232 [3pin-3.81mm phoenix connector] 1 x IR EXT [3.5mm Stereo Mini-jack] 2 x USB HOST [USB Type B] 4 x USB DEVICES [USB Type A]

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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3-YEAR WARRANTY

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LIFETIME WARRANTY





Mechanical

Housing	Metal Enclosure
Color	Black
Dimensions (W x D x H)	11in x 3.9in x 1.2in [270mm x 100mm x 30mm]
Weight	1.7 lbs [756g]
Power Supply	Input: AC 100 - 240V 50/60Hz Output: DC 12V/1A (US/EU standard, CE/FCC/UL certified)
Power Consumption	Typical value: 6.26W Standby mode: 0.6W
Operating Temperature	32 - 104°F / 0 - 40°C
Storage Temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (no-condensing)

Recommended HDMI Cable

Video Resolution	8K60/8K30/4K120	4K60	1080P
HDMI Cable Type	Ultra HDMI 2.1 cable	HDMI cable	HDMI cable
HDMI Cable Length (HDMI IN / OUT)	2m/6.6ft	5m/16ft	10m/33ft

The use of "Premium High Speed HDMI" cable is highly recommended.



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