



## BG-8K-KVM22A

8K UHD HDMI 2.1 DUAL MONITOR 2X1 HDMI KVM SWITCH WITH USB 3.0/HOTKEY SWITCHING/IR CONTROL

The BG-8K-KVM22A is a high-performance 8K60 2x1 dual-monitor HDMI KVM switch, designed to share two displays and USB peripherals between two computers seamlessly. Built on HDMI 2.1 technology with support for ultra-high resolutions up to 8K@60Hz and 4K@120/144Hz, it delivers zero-latency video and USB switching for professional workstations, creative studios, and advanced gaming setups.

With flexible control via front-panel buttons, IR remote, keyboard and mouse hotkeys, and RS-232, the BG-8K-KVM22A enables fast, reliable switching without drivers or software. Its dual-mode operation supports both single-PC dual-monitor workflows and simultaneous dual-PC display configurations, making it a powerful and versatile KVM solution.



## FEATURES



### 8K60 DUAL-MONITOR KVM SWITCHING

Share two HDMI displays and USB peripherals between two computers with zero latency



### HDMI 2.1 & HDCP 2.3 SUPPORT

Delivers up to 40Gbps bandwidth for ultra-high-resolution video and protected content



### DUAL OPERATING MODES

Supports Single PC dual-monitor mode and Dual PC simultaneous display mode



### USB 3.0 PERIPHERAL SHARING

Integrated USB 3.2 Gen 1 ports support up to 5Gbps for high-speed devices



### ADVANCED HDMI FEATURES & HDR

Supports VRR, ALLM, QMS, QFT, SBTM, HDR10, HDR10+, Dolby Vision, and HLG



### MULTIPLE CONTROL OPTIONS

Front-panel buttons, hotkeys, IR remote, and RS-232 control



## 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, 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	<b>HDMI IN/OUT:</b> 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 <b>L/R OUT:</b> 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	2 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](http://bzbgear.com/warranty).

For questions, please call 1.888.499.9906 or email [support@bzbgear.com](mailto:support@bzbgear.com).

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Cables Products  
**LIFETIME WARRANTY**





## Mechanical

Housing	Metal Enclosure
Color	Black
Dimensions (W x D x H)	8.7in x 3.9in x 1.2in [220mm x 100mm x 30mm]
Weight	1.4 lbs [626g]
Power Supply	Input: AC 100 - 240V 50/60Hz Output: DC 12V/1A (US/EU standard, CE/FCC/UL certified)
Power Consumption	Typical value: 7.2W Standby mode: 0.72W
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)	3m/10ft	5m/16ft	10m/33ft

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



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