

## BG-8K-KVM21A

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

The 8K60 HDMI 2.1 2x1 KVM Switch is designed to deliver seamless control of two computers using a single keyboard, mouse, and display without sacrificing performance. Supporting ultra-high resolutions up to 8K@60Hz, 4K@120Hz/144Hz, and 1080p@240Hz, this switch is ideal for professional AV environments, high-refresh gaming setups, and advanced workstations that demand uncompromised video quality and fast switching.

Equipped with USB 3.0 peripheral sharing, multiple control methods, and advanced HDMI 2.1 features, the switch ensures a smooth, zero-latency experience. With broad operating system compatibility and true plug-and-play operation, it integrates easily into professional workflows, control rooms, studios, and high-performance desktop environments.



## FEATURES



### 8K HDMI 2.1 PERFORMANCE

Supports resolutions up to 8K@60Hz, 4K@120Hz/144Hz, and 1080p@240Hz with a 40Gbps video bandwidth



### 2X1 KVM SWITCHING

Control two computers using one keyboard, mouse, and display



### USB 3.0 PERIPHERAL SHARING

Share USB devices at speeds up to 5Gbps



### ZERO-LATENCY SWITCHING

Instant video and USB switching with no visible delay



### ADVANCED HDMI 2.1 FEATURES

Supports VRR, ALLM, QMS, QFT, and SBTM



### 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	2 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](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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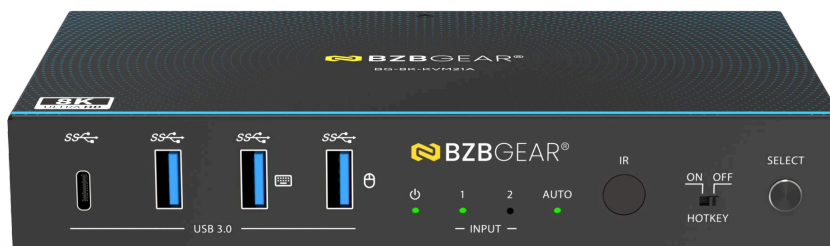
## Mechanical

Housing	Metal Enclosure
Color	Black
Dimensions (W x D x H)	6.9in x 3.9in x 1.2in [175mm x 100mm x 30mm]
Weight	1.1 lbs [506g]
Power Supply	Input: AC 100 - 240V 50/60Hz Output: DC 12V/1A (US/EU standard, CE/FCC/UL certified)
Power Consumption	Typical value: 7W Standby mode: 0.7W
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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