

BG-8K-HS 8K Video Switcher Series

BG-8K-HS21 (2X1 Switcher)
BG-8K-HS41 (4X1 Switcher)

Video Switchers 8K@60Hz UHD HDMI 2.1 48Gbps
(4K@120Hz 4:4:4 10bit)

The 8K HDMI 2.1 switcher is a versatile device that allows you to switch between multiple HDMI sources and display the selected input on a single HDMI display. It offers support for high-resolution video up to 8K at 60Hz with 4:4:4 chroma subsampling, providing crisp and detailed images with excellent color accuracy. Additionally, the switcher has a high video bandwidth of 48Gbps, which enables it to handle the large amounts of data required for high-quality 8K video.



FEATURES

- HDMI 2.1 and HDCP 2.3 compliant
- Support 48Gbps video bandwidth
- 8K@60Hz 4:4:4 8/10/12bit, 8K@60Hz 4:2:0 12-bit, 8K@30Hz 4:4:4 10-bit, 4K@120Hz 4:4:4 10-bit video support
- Support HDR, HDR10, HDR10+, Dolby Vision, HLG pass through
- VRR, FVA, ALLM support
- Support HDMI audio formats: LPCM 7.1CH, Dolby TrueHD, and DTS-HD Master Audio
- 2x1 / 4x1 switch output; auto switch supported
- Built-in Equalizer and Driver
- Auto EDID management
- Compact design for easy and flexible installation

BG-8K-HS21 2x1 switcher



BG-8K-HS41 4x1 switcher



Specifications

Technical

HDMI Compliance: HDMI 2.1

HDCP Compliance: HDCP 2.3

Video Bandwidth: 48Gbps

Video Resolutions: Up to 8K@60Hz 4:4:4 8/10/12bit, 8K@60Hz 4:2:0 12-bit, 8K@30Hz 4:4:4 10-bit, 4K@120Hz 4:4:4 10-bit

Color Depth: 8-bit, 10-bit, 12-bit

Color Space: RGB, YCbCr 4:4:4 / 4:2:2 / 4:2:0

Audio Formats: LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD

Connection

Input:

BG-8K-HS21: 2xHDMI IN [Type A, 19-pin female]

BG-8K-HS41: 4xHDMI IN [Type A, 19-pin female]

Output: 1xHDMI OUT [Type A, 19-pin female]

Mechanical

Housing: Plastic Enclosure

Silkscreen Color: Black

Dimensions:

BG-8K-HS21: 2.4" (W) x 2.4" (D) x 0.47" (H)

[60mm (W) x 60mm (D) x 12mm (H)]

BG-8K-HS41: 4.8" (W) x 2.6" (D) x 0.75" (H)

[122mm (W) x 65mm (D) x 19mm (H)]

Weight:

BG-8K-HS21: 0.07lbs [31g]

BG-8K-HS41: 0.19lbs [88g]

Power Supply:

BG-8K-HS21: USB 5V

BG-8K-HS41: Input: AC 100 - 240V 50/60Hz, Output: DC 5V/1A

(US/EU standards, CE/FCC/UL certified)

Power Consumption:

BG-8K-HS21: 1.25W (Max)

BG-8K-HS41: 3.4W (Max)

Operation Temperature: 32°F ~ 104°F / 0°C ~ 40°C

Storage Temperature: -4°F ~ 140°F / -20°C ~ 60°C

Relative Humidity: 20-90% RH (non-condensing)

Industry-Leading Warranty & Support

BZBGEAR Pro AV products and Cameras come with a three-year warranty. An extended two-year warranty is available for our Cameras upon registration for a total of five years. We pride ourselves in our Customer Service and seven-days-a-week Tech Support.

LIFETIME
PRODUCT SUPPORT

PRO AV	CAMERAS
3	5
YEAR WARRANTY	YEAR WARRANTY