



BG-8K-HS21A

2X1 8K UHD HDMI 2.1 SWITCHER WITH AUDIO DE-EMBEDDER (8K60/4K120HZ 4:4:4 VRR/FVA/ALLM SUPPORT)

Elevate your multimedia experience with the BG-8K-HS21A 48Gbps 2x1 HDMI Switcher. This high-performance device seamlessly switches between two HDMI sources to one HDMI display, supporting video resolutions up to 8K@60Hz 4:2:0. Perfect for a variety of applications including home entertainment, gaming, and multimedia, this versatile switcher features advanced EDID management and an audio de-embedding function, making it an ideal solution for any large-screen display scenario.



FEATURES



HDCP 2.3 COMPLIANT

Ensures secure and uninterrupted signal transmission



HIGH-RESOLUTION SUPPORT

Supports video resolutions up to 8K@60Hz YCbCr 4:2:0 12-bit, 4K@120Hz RGB/YCbCr 4:4:4 12-bit, as specified in HDMI 2.1



VIDEO ENHANCEMENTS

Supports VRR (Variable Refresh Rate), FVA (Future Video Architecture), and ALLM (Auto Low Latency Mode) for smooth and responsive video playback



AUDIO SUPPORT

Compatible with HDMI audio formats including LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, and DSD



ADVANCED EDID

Simplifies setup and ensures compatibility with a wide range of display devices



USER-FRIENDLY CONTROL

Easily switch sources using the IR remote control or front panel buttons



TECH SPECIFICATIONS

Technical

HDMI Compliance	HDMI 2.1
HDCP Compliance	HDCP 2.3
Video Bandwidth	48Gbps
Video Resolution	Up to 8K@60Hz YCbCr 4:2:0 12-bit, 4K@120Hz RGB/YCbCr 4:4:4 12-bit
Color Depth	8/10/12-bit
Color Space	RGB, YCbCr 4:4:4 / 4:2:2 / 4:2:0
Audio Formats	HDMI Input/Output: LPCM, Dolby Digital/Plus/EX, Dolby True HD, Dolby Atmos, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD Audio De-embedding Output: Optical: LPCM/Dolby/DTS 5.1CH Analog: LPCM 2CH
ESD Protection	IEC 61000-4-2: ±8kV (Air-gap discharge) & ±4kV (Contact discharge)

Connection

Input	2 × HDMI IN [Type A, 19-pin female]
Output	1 × HDMI OUT [Type A, 19-pin female] 1 × OPTICAL [S/PDIF] 1 × L/R [3.5mm Stereo Mini-jack]
Control	1 × SERVICE [USB Type C, Update port]

Mechanical

Housing	Metal Enclosure
Color	Black
Dimensions (WxDxH)	5.7in x 2.7in x 0.71in [145mm x 68mm x 18mm]
Weight	0.57 lbs [258g]
Power Supply	Input: AC 100-240V 50/60Hz, Output: DC 5V/1A (US/EU standards, CE/FCC/UL certified)
Power Consumption	3W (Max)
Operating Temperature	32° - 104°F / 0° - 40°C
Storage Temperature	-4° - 140°F / -20° - 60°C
Relative Humidity	20 - 90% RH (no condensation)

Recommended HDMI Cable	8K60	4K60	4K24	1080P
HDMI Cable Length (HDMI in / out)	2m/6.6ft (Ultra HDMI 2.1)	8m/26ft	12m/39ft	15m/49ft

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

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