



BG-8K-DA18

1X8 8K UHD HDMI 2.1 48GBPS SPLITTER WITH
AUTO DOWNSCALING (8K60/4K120 AND VRR/ALLM/
QMS/QFT/SBTM SUPPORT)

The BG-8K-DA18 is a high-performance 1x8 HDMI splitter designed to distribute a single HDMI source to up to eight displays simultaneously with uncompromised video and audio quality. Supporting resolutions up to 8K@60Hz (4:2:0 12-bit) and 4K@120Hz (4:4:4 12-bit), this splitter is fully compliant with HDMI 2.1 and HDCP 2.3 standards, delivering ultra-high-definition content with rich color depth and dynamic range.

Engineered for next-generation devices like Xbox Series X and PlayStation 5, the BG-8K-DA18 offers seamless playback at 4K@120Hz, making it ideal for gaming, home theater, and professional AV setups. With support for 48Gbps FRL, VRR, ALLM, QMS, and QFT, it ensures fluid motion and low latency. Advanced features such as EDID management, HDR-to-SDR conversion, and auto downscaling per output simplify integration across mixed-resolution displays.



FEATURES



ULTRA-HIGH RESOLUTIONS

Supports up to 8K@60Hz (4:2:0, 12-bit) and 4K@120Hz (4:4:4, 12-bit) per HDMI 2.1 specifications



GAMING AND MOTION ENHANCEMENTS

Supports VRR, ALLM, QMS, QFT, and SBTM for smoother visuals and reduced latency



HDR FORMAT COMPATIBILITY

Pass-through support for HDR, HDR10, HDR10+, Dolby Vision, and HLG



ADVANCED AUDIO SUPPORT

Compatible with LPCM 7.1CH, Dolby TrueHD, Dolby Atmos, and DTS-HD Master Audio formats



PER-PORT DOWNSCALING

Automatically downscales resolution on each output to match connected displays



HDR TO SDR CONVERSION

Automatically converts HDR content to SDR on each output for non-HDR displays



TECH SPECIFICATIONS

Technical

HDMI Compliance	HDMI 2.1
HDCP Compliance	HDCP 2.3, HDCP 1.4
Video Bandwidth	48Gbps FRL and 18Gbps TMDS
Video Resolution	Up to 8K@60Hz 4:2:0 12-bit, 4K@120Hz 4:4:4 12-bit
Color Depth	8/10/12-bit
Color Space	RGB, YCbCr 4:4:4 / 4:2:2 / 4:2:0
HDR	HDR, HDR10, HDR10+, Dolby Vision, HLG
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
ESD Protection	IEC 61000-4-2: ±8kV (Air-gap discharge) & ±4kV (Contact discharge)

Connection

Input	1 x IN [HDMI Type A, 19-pin female]
Output	8 x OUT [HDMI Type A, 19-pin female]
Control	1 x SERVICE [USB Type C, Update port]

Mechanical

Housing	Metal Enclosure
Color	Black
Dimensions (WxDxH)	9.8in x 4.1in x 1.2in [250mm x 104mm x 30mm]
Weight	1.6 lbs [743g]
Power Supply	DC 12V/2.5A
Power Consumption	12.2W (Max)
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20~90% RH (non-condensing)

Recommended HDMI Cable	8K60	4K60	4K24	1080P
HDMI Cable Length (HDMI in / out)	3m/10ft (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