BG-8K-DA 8K Splitter Series

BG-8K-DA12A (1x2 Splitter)
BG-8K-DA14A (1x4 Splitter)

8K@60Hz UHD HDMI 2.1 with Audio De-embedder (4K@120Hz 4:4:4 10bit VRR, FVA, ALLM support)

Introducing the BG-8K-DA 8K Splitter series that takes your viewing and gaming experience to the next level. With HDMI 2.1 and HDCP 2.3 compliance, this splitter supports the latest technologies for video and content protection, ensuring that your content is delivered with the highest quality.

For video enthusiasts, the BG-8K-DA series supports a range of HDR formats, including HDR10, HDR10+, Dolby Vision, and HLG pass through. This allows you to enjoy a wider range of colors and contrast for a more immersive viewing experience.

FEATURES

- HDMI 2.1 and HDCP 2.3 compliant
- Support 40Gbps video bandwidth
- Support video resolution up to 8K@60Hz 4:2:0 10bit, 8K@30Hz 4:4:4 10bit, 4K@120Hz 4:4:4 10bit
- VRR, FVA, ALLM supported
- Support HDR, HDR10, HDR10+, Dolby Vision, HLG pass through
- Support HDMI audio formats: LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
- Built-in Equalizer, Retiming and Driver
- Advanced EDID management
- Support audio de-embedding function (output through the optical and analog port)
- Compact design for easy and flexible installation
**Technical**

**HDMI Compliance:** HDMI 2.1  
**HDCP Compliance:** HDCP 2.3  
**Video Bandwidth:** 40Gbps  
**Video Resolutions:** Up to 8K@60Hz 4:4:4 10bit, 8K@30Hz 4:4:4 10bit, 4K@120Hz 4:4:4 10bit  
**Color Depth:** 8/10/12-bit  
**Color Space:** RGB, YCbCr 4:4:4 / 4:2:2, YUV 4:2:0  
**Audio Formats:**  
HDMI input/output: LPCM, Dolby Digital/Rus/EEx, Dolby True HD, DTS, DTS-ES, DTS-HD Master Audio, DSD  
Audio de-embedding output: Optical: LPCM 2/5.1 CH, Dolby Digital 2/5.1 CH, DTS 2/5.1 CH  
Analog: PCM 2.0  
**ESD Protection:**  
Human-body model: 3kV (Air-gap discharge) & 3.4kV (Contact discharge)  

**Connection**  
**Input:**  
1x HDMI IN [Type A, 19-pin female]  
**Output:**  
2x HDMI OUT (BG-BK-DA12A)  
4x HDMI OUT (BG-BK-DA14A)  
1x OPTICAL [S/PDIF]  
1x L/R [3.5mm Stereo Mini-jack]  
**Control:**  
1x SERVICE [Micro USB, Update port]  

**Mechanical**  
**Housing:** Metal Enclosure  
**Silkscreen Color:** Black  
**Dimensions:**  
BG-BK-DA12A: 5.7"(W) x 2.7"(D) x 0.67"(H) [145mm(W) x 68mm(D) x 17mm(H)]  
BG-BK-DA14A: 8.3"(W) x 3.7"(D) x 0.9"(H) [212mm(W) x 94mm(D) x 23mm(H)]  
**Weight:**  
BG-DA-12A: 0.57lbs (258g)  
BG-DA-14A: 1.2lbs (539g)  
**Power Supply:**  
Input: AC 100-240V 50/60Hz  
Output:  
BG-DA-12A: DC 5V/2A  
BG-DA-14A: DC 12V/2.5A  
(US/EU standards, CE/FCC/UL certified)  
**Power Consumption:**  
BG-DA-12A: 4.15W (Max)  
BG-DA-14A: 9W (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)  

**Recommended HDMI Cable**  
**Video Resolution:** 8K, 4K60, 4K24, 1080P  
**HDMI Cable Type:** Ultra HDMI 2.1, HDMI 2.0, HDMI 1.4, HDMI 1.4  
**HDMI Cable Length (HDMI IN / OUT):** 3m/10ft, 6m/20ft, 12m/35ft, 15m/49ft  
*The use of “Premium High Speed HDMI” cable is highly recommended*