BG-8K-DA14A-G2

1X4 8K UHD HDMI 2.1 48GBPS SPLITTER WITH AUTO DOWNSCALLING/AUDIO DE-EMBEDDER (8K60/4K120 AND VRR/FVA/ALLM SUPPORT)

The BG-8K-DA14A-G2 is a high-performance 1x4 HDMI 2.1 splitter designed to distribute a single 8K HDMI source to up to four display devices simultaneously. Supporting cutting-edge 8K@60Hz and 4K@120Hz resolutions, this splitter ensures crystal-clear visuals with HDR10+, Dolby Vision, and HLG for a truly immersive viewing experience. With a robust 48 Gbps FRL bandwidth, HDCP 2.3 compliance, and advanced gaming features like VRR and ALLM, this device is perfect for home theaters, gaming setups, and professional AV environments. Additionally, its built-in audio de-embedding capability allows seamless extraction of audio through optical S/PDIF and analog L/R outputs, offering enhanced flexibility for integrating external sound systems.

or audio enthusiasts, the BG-8K-DA14A-G2 offers high-fidelity sound formats, including Dolby Atmos, DTS-HD Master Audio, and LPCM 7.1CH, creating a cinematic sound experience. The built-in audio de-embedding function provides dedicated optical and 3.5mm analog outputs, making it easy to connect external speakers or sound systems without interfering with HDMI audio signals.

FEATURES

8K HDMI 2.1 SUPPORT
Supports up to 8K@60Hz (4:2:0, 12-bit) and 4K@120Hz (4:4:4, 12-bit) for ultra-smooth visuals and deep color

HDCP 2.3 COMPLIANCE
Secures content protection for streaming devices, gaming consoles, and Blu-ray players

HDR & ADVANCED VIDEO
Supports HDR, HDR10+, Dolby Vision, and HLG for enhanced brightness, contrast, and color depth

CONTENT-OPTIMIZED
Features VRR, FVA, and ALLM for reduced lag and screen tearing

AUDIO DE-EMBEDDING
Extracts audio via optical (S/PDIF) and 3.5mm analog outputs for external sound systems

ADVANCED EDID MANAGEMENT
Customizable EDID settings ensure seamless source-display communication

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, 8K@30Hz 4:4:4 12-bit
Color Depth	8/10/12-bit
Color Space	RGB, YCbCr_4:4:4, YCbCr_4:2:2, YCbCr_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 Technical **Audio De-embedded Output:** Optical: LPCM/Dolby/DTS 5.1CH Analog: LPCM 2CH
HDR	HDR, HDR10, HDR10+, Dolby Vision, HLG
ESD Protection	**IEC 61000-4-2:** ±8kV (Air-gap discharge) & ±4kV (Contact discharge)

Connection

Input	1 x HDMI IN [Type A, 19-pin female]
Output	4 x HDMI OUT [Type A, 19-pin female] 1 x OPTICAL [S/PDIF] 1 x L/R [3.5mm Stereo Mini-jack]
Control	1 x SERVICE [USB Type C, Update port]

Mechanical

Housing	Metal Enclosure
Dimensions (W x D x H)	6.9in x 2.7in x 0.7in [176mm x 68mm x 18mm]
Weight	0.65 lbs [295g]
Power Supply	**Input:** AC 100-240V 50/60Hz, **Output:** DC 5V/2A (US/EU standards, CE/FCC/UL certified)
Power Consumption	6W (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	8K	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.

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