



BG-8K-AD

8K60 HDMI 2.1 AUDIO DE-EMBEDDER TO S/PDIF AND L/R CONVERTER

The BG-8K-AD 48Gbps HDMI Audio De-embedder is a powerful and versatile solution designed to extract high-fidelity audio from HDMI sources or ARC-compatible TVs while preserving a high-quality HDMI video feed. This device offers both analog stereo and digital S/PDIF outputs, making it ideal for advanced home theater systems and professional AV installations. Supporting the latest HDMI 2.1 and HDCP 2.3 standards, the de-embedder ensures exceptional video clarity and robust audio pass-through, providing an all-in-one solution for a seamless audiovisual experience.

With 48Gbps FRL and 18Gbps TMDS video bandwidth, this de-embedder handles ultra-high-definition resolutions up to 8K@60Hz 4:2:0 12-bit and 4K@120Hz 4:4:4 12-bit, delivering sharp, vibrant visuals. It also supports key HDMI 2.1 features such as Variable Refresh Rate (VRR), Auto Low Latency Mode (ALLM), Quick Media Switching (QMS), Quick Frame Transport (QFT), and Source-Based Tone Mapping (SBTM), ensuring smooth and responsive playback across various display technologies.



FEATURES



HDMI 2.1 AND HDCP 2.3 COMPLIANT

Ensures compatibility with the latest HDMI standards and secure content protection



STUNNING RESOLUTIONS

Supports video up to 8K@60Hz (4:2:0, 12-bit) and 4K@120Hz (4:4:4, 12-bit) for exceptional visual clarity



IMMERSIVE AUDIO

Supports LPCM 7.1CH, Dolby TrueHD, Atmos, DTS-HD Master, and DTSaudio pass-through for a superior sound experience



AUDIO DE-EMBEDDING

Extracts HDMI input audio or TV ARC audio to S/PDIF and L/R audio outputs



CEC SUPPORT

Enables device control from output devices to input sources for streamlined operation



COMPACT DESIGN

Allows for easy and versatile installation in various setups



TECH SPECIFICATIONS

Technical

HDMI Compliance	HDMI 2.1
HDCP Compliance	HDCP 2.3
Video Bandwidth	48Gbps FRL and 18Gbps TMDS
Video Resolution	Up to 8K@60Hz 4:2:0 12bit, 4K@120Hz 4:4:4 12bit
Color Depth	8/10/12bit
Color Space	RGB 4:4:4, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0
Audio Formats	HDMI IN/OUT: LPCM, Dolby Digital/Plus/EX, Dolby True HD, Dolby Atmos, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD eARC AUDIO OUT: OPTICAL OUT: PCM 2.0CH, Dolby, DTS 5.1CH L/R OUT: PCM 2.0CH
HDR	HDR, HDR10, HDR10+, Dolby Vision, HLG
ESD Protection	Human body model: ±8kV (Air-gap discharge) & ±4kV (Contact discharge)

Connection

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

Mechanical

Housing	Metal Enclosure
Color	Black
Dimensions (WxDxH)	3.7in x 2.7in x 0.71in [95mm x 68mm x 18mm]
Weight	0.39 lbs [178g]
Power Supply	Input: AC 100-240V 50/60Hz, Output: DC 5V/1A (US/EU standards, CE/FCC/UL certified)
Power Consumption	4W (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	1080P
HDMI Cable Type	Ultra HDMI 2.1 cable	HDMI 2.0 cable	HDMI cable
HDMI Cable Length (HDMI in / out)	2m/6.6ft ~ 3m/10ft	10m/33ft	15m/49ft

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

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.

