BZBGEAR®
Amplify Your World™

Direktronik Art 20124234

BG-8K-HS41A

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

The BG-8K-HS41A 48Gbps 4x1 HDMI Switcher is a high-performance solution designed to switch between four HDMI source signals on a single HDMI display. Capable of supporting video resolutions up to 8K@60Hz 4:2:0, this switcher is equipped with cutting-edge features to enhance your audiovisual experience. Its advanced EDID management, CEC control, ARC/eARC support, and comprehensive audio de-embedding options make it an excellent choice for home entertainment, gaming, and more.

Featuring HDCP 2.3 compliance, the BG-8K-HS41A ensures compatibility with the latest copy protection standards for secure playback. It supports high bandwidth of 48Gbps FRL and 18Gbps TMDS, accommodating resolutions up to 8K@60Hz 4:2:0 12bit, 8K@30Hz 4:4:4 12bit, and 4K@120Hz 4:4:4 12bit, adhering to HDMI 2.1 specifications. The switcher also includes HDMI 2.1 protocol support, featuring Variable Refresh Rate (VRR), Auto Low Latency Mode (ALLM), Quick Media Switching (QMS), Quick Frame Transport (QFT), and Source-Based Tone Mapping (SBTM).

FEATURES

HDCP 2.3 COMPLIANCE

Ensures compatibility with the latest copy protection standards for secure playback

VIDEO ENHANCEMENTS

Includes 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)

HDR AND AUDIO PASS-THROUGH

Supports HDR, HDR10, HDR10+, Dolby Vision, and HLG pass-through, along with HDMI audio formats like LPCM 7.1CH, Dolby TrueHD, Dolby Atmos, DTS-HD Master Audio, and DTS

CEC CONTROL

Facilitates control from the TV to the source device and allows volume control from the TV to any eARC sound system

ADVANCED EDID MANAGEMENT

Offers sophisticated EDID management for optimal compatibility and signal quality

HIGH BANDWIDTH SUPPORT

Handles 48Gbps FRL and 18Gbps TMDS video bandwidth, supporting resolutions up to 8K@60Hz 4:2:0 12bit, 8K@30Hz 4:4:4 12bit, and 4K@120Hz 4:4:4 12bit, in line with HDMI 2.1 specifications

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, 8K@30Hz 4:4:4 12bit, 4K@120Hz 4:4:4 12bit
Audio Latency	No Latency
Video Latency	No Latency
Color Depth	8/10/12-bit
Color Space	RGB 4:4:4, 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, DTS:X, DSD **eARC AUDIO OUT:** LPCM, Dolby Digital/Plus/EX, Dolby True HD, Dolby Atmos, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DTS:X, DSD **Audio De-embedded Output:** Optical: LPCM 2.0CH/Dolby/DTS 5.1CH Analog: LPCM 2.0CH
HDR	HDR, HDR10, HDR10+, Dolby Vision, HLG
ESD Protection	IEC 61000-4-2: ±8kV (Air-gap discharge) & ±4kV (Contact discharge)

Connection

Input	4 × 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)	6.9in x 2.7in x 0.71in [176mm x 68mm x 18mm]
Weight	0.69 lbs [315g]
Power Supply	**Input:** AC 100-240V 50/60Hz, **Output:** DC 5V/1A (US/EU standards, CE/FCC/UL certified)
Power Consumption	2.5W (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	8K	4K60	4K24	1080P
HDMI Cable Length (HDMI in / out)	2m/6.6ft ~ 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.**
For questions, please call **1.888.499.9906** or email **support@bzbgear.com.**

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3-YEAR WARRANTY

Cables Products
LIFETIME WARRANTY