

8K 2x1 HDMI 2.1 Switcher with Audio De-Embedding

40Gbps, HDCP 2.3, HDR/Dolby Vision, Optical + 3.5mm Audio Output

MPN: SW-2X1A8K



Switch between two 8K HDMI 2.1 sources on a single display while independently routing audio to optical or analog outputs — without upgrading your AV receiver. The KanexPro SW-2X1A8K is a compact 2x1 HDMI switcher with built-in audio de-embedding that resolves a common integration pain point: connecting next-generation 8K and 4K@120Hz sources to a display while simultaneously extracting audio for a separate sound system. Its 8-position EDID DIP switch ensures reliable handshake with virtually any source/display combination.

Compliant with HDMI 2.1 and HDCP 2.3, the switcher delivers up to 8K@60Hz 4:2:0 and 4K@120Hz 4:4:4 at 40Gbps bandwidth. Full HDR pass-through — HDR10, HDR10+, Dolby Vision, and HLG — preserves cinematic image quality. VRR, ALLM, and FVA support optimize gaming performance. Audio de-embedding outputs via S/DPDIF optical (LPCM/Dolby/DTS 5.1) and 3.5mm analog (PCM 2.0). Control via IR remote, front-panel button, or auto-switch. Housed in a compact metal enclosure drawing just 5.25W.

 8K 60Hz 4:2:0 40 Gbps	 4K@120 4:4:4 10-bit Gaming	 HDR Dolby Vision HDR10+	 Audio De-Embed Optical + 3.5mm	 EDID 8 DIP Modes Auto Manage
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KEY FEATURES

- Switches two HDMI 2.1 sources to one display at up to 8K@60Hz 4:2:0 or 4K@120Hz 4:4:4 with 40Gbps bandwidth
- HDCP 2.3 compliant for seamless playback of protected content from cable boxes, streaming devices, and game consoles
- Full HDR pass-through including HDR10, HDR10+, Dolby Vision, and HLG for accurate high-dynamic-range reproduction
- Built-in audio de-embedding extracts audio to S/DPDIF optical (LPCM/Dolby/DTS 5.1) and 3.5mm analog (PCM 2.0) simultaneously
- VRR, ALLM, and FVA support deliver tear-free, low-latency performance optimized for gaming consoles and high-refresh displays
- 8-position EDID DIP switch with factory presets from 1080p to 8K@60Hz ensures reliable source/display negotiation
- Built-in equalizer, retiming, and driver compensate for signal loss over longer HDMI cable runs
- IR remote, front-panel button, and auto-switch in a compact metal enclosure (145 × 68 × 17 mm, 5.25W)

SPECIFICATIONS

HDMI / HDCP	HDMI 2.1 • HDCP 2.3
Video Bandwidth	40 Gbps
Max Resolution	8K@60Hz 4:2:0 • 4K@120Hz 4:4:4 • 8/10/12-bit
HDR Formats	HDR10 • HDR10+ • Dolby Vision • HLG
Audio (Pass-through)	LPCM, Dolby Digital/TrueHD, DTS/DTS-HD MA, DSD
Audio (De-embed)	Optical: LPCM/Dolby/DTS 5.1 • Analog: PCM 2.0
HDMI I/O	2x HDMI In • 1x HDMI Out • 1x S/DPDIF • 1x 3.5mm
Control / EDID	IR Remote • Front-Panel Button • Auto-Switch • 8 DIP Presets
Enclosure	Metal • Black • 145 × 68 × 17 mm • 268 g
Power	DC 5V/2A • 5.25W max • CE/FCC/UL certified

PACKAGE CONTENTS

1x 8K HDMI 2x1 Switcher • 1x IR Remote • 1x 5V/2A Multinational Power Supply • 1x User Manual

