

KanexPro 8K HDMI 2x1 Switcher with Audio Extraction

8K 2 In 1 Out HDMI Switch with Audio Extraction

MPN: SW-2X1A8K



The **KanexPro SW-2X1A8K** Switcher can switch any of the two HDMI source signals to one HDMI display. It supports video resolution up to 8K@60Hz 4:2:0. It supports advanced EDID management and audio de-embedding function (output through the optical and analog port). This multi-functional product can be widely applied in scenarios of demonstration, video conference, multimedia teaching and other occasions requiring for big-screen demonstration.

It's designed to allow users to switch between two HDMI sources (e.g., media players, gaming consoles, or computers) and output to a single display, while maintaining high-quality video and audio performance.

Applications:

- Home Theater Systems
- Gaming
- Conference Rooms
- Broadcasting and Media Production
- Digital Signage
- Educational and Lecture Environments
- Personal AV Setups and Entertainment Centers
- Professional AV Systems in Control Rooms
- Event Production and Live Streaming

Key Benefits of Using an SW-2X1A8K Switcher:

- Support 8K Video Resolution (Up to 7680x4320):
- Backward Compatibility with 4K and 1080p:
- HDMI 2.1 Compliance
- Supports HDR, Dolby Vision, and Dynamic HDR:
- Easy Source Switching:
- High-Quality Audio Support:
- HDCP 2.3 Compliance:
- Compact and Space-Saving Design:
- Wide Compatibility with HDMI Devices:
- IR Remote Control for Convenience
- VRR (Variable Refresh Rate):
- ALLM (Auto Low Latency Mode):

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)
- Support IR remote control and front panel button switching
- Compact design for easy and flexible installation

SPECIFICATIONS

TECHNICAL	
HDMI Compliance	HDMI 2.1
HDCP Compliance	HDCP 2.3
Video Bandwidth	40 Gbps
Video Resolution	Up to 8K@60Hz 4:2:0 10bit, 8K@30Hz 4:4:4 10bit, 4K@120Hz 4:4:4 10bit
Color Space	RGB, YCbCr 4:4:4 / 4:2:2, YUV 4:2:0
Color Depth	8-bit, 10-bit, 12-bit
Audio Formats	HDMI input/output: LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, 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
HDR	HDR, HDR10, HDR10+, Dolby Vision, HLG pass through
ESD Protection	Human body model – ±8kV (Air-gap discharge) &±4kV (Contact discharge)

Video Resolution	8K	4K@60	4K@24	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	8m/26ft	12m/39ft	12m/39ft
The use of "Premium High-Speed HDMI" cable is highly recommended.				

Mechanical	
Housing	Metal Enclosure
Colour	Black
Dimensions	145mm (W) × 68mm (D) × 17mm (H)
Weight	268 g
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	20°C ~ 60°C / -4°F ~ 140°F
Power Supply	Input: AC100 ~ 240V 50/60Hz, Output: DC 5V/2A (US/EU standards, CE/FCC/UL certified)
Power Consumption (Max)	5.25W (Max)
Relative Humidity	20-90% RH (Non-condensing)

Connection	
Input	2 × 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 ports	1 × SERVICE [Micro USB, Update port]