

48Gbps 8K 2-In 4-Out HDMI Switching Splitter with Independent Downscaling & Audio De-embedding

Select 1 of 2 HDMI Sources and Send It to 4 Screens, with Auto-Scaling Video & Balanced/Digital Audio Breakout

MPN: SP-HDMI2X4-8K



Select either of two HDMI 2.1 sources and send it to four displays at up to 8K@60Hz, with independent downscaling and audio de-embedding on every output. The KanexPro SP-HDMI2X4-8K is a 48Gbps 2-input, 4-output HDMI switching splitter: a 2×1 switcher and a 1×4 splitter in one box, eliminating the need for a separate switcher, splitter, downscaler, or audio extractor in the rack. All four outputs show the selected source at the same time; to send a different source to each display, use a true matrix switcher.

Compliant with HDMI 2.1 and HDCP 2.3, the switching splitter supports 8K@60Hz 4:2:0 12-bit, 8K@30Hz 4:4:4 12-bit, and 4K@120Hz 4:4:4 12-bit with HDR10, HDR10+, Dolby Vision, HLG, and ALLM/VRR pass-through. Each output independently downscales 8K to 4K or 2K and converts HDR to SDR for mixed-resolution display environments. Audio de-embedding delivers digital optical (up to 5.1CH) and balanced/unbalanced analog stereo with adjustable gain. A built-in HDMI signal generator aids diagnostics. Control via front panel, IR remote, RS-232, or API commands.

 48Gbps 8K60 Switching Splitter	 2x1 Switch Plus 1x4 Splitter in One Box	 Per-Output Downscaling and HDR to SDR	 HDMI 2.1 and HDCP 2.3 Compliant	 Audio De-embedding with Adjustable Gain
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KEY FEATURES

- Switches 1 of 2 HDMI 2.1 sources to 4 displays at 8K@60Hz, 48Gbps
- HDCP 2.3 compliant across all inputs/outputs
- HDR10, HDR10+, Dolby Vision, HLG pass-through with ALLM/VRR
- Independent 8K to 4K/2K downscaling per output
- Per-output HDR to SDR conversion for legacy displays
- Audio de-embedding: optical 5.1CH and balanced/unbalanced analog stereo
- Built-in signal generator with 15 resolutions, 13 test patterns
- Control via front panel, IR, RS-232, and API

SPECIFICATIONS

HDMI Compliance	HDMI 2.1
HDCP Compliance	HDCP 2.3
Video Bandwidth	48 Gbps
Video Resolution	Up to 8K@60Hz 4:2:0 12-bit, 8K@30Hz 4:4:4 12-bit, 4K@120Hz 4:4:4 12-bit
HDR Formats	HDR10, HDR10+, Dolby Vision, HLG
Audio De-embedding (Optical)	Up to LPCM/Dolby/DTS 5.1CH
Audio De-embedding (L/R)	LPCM 2CH
Input	2x HDMI Type A
Output (Video)	4x HDMI Type A
Output (Audio)	1x Optical S/PDIF, 1x L/R Phoenix
Control	RS-232, IR CTL, USB-C Service
Housing	Metal Enclosure, Black

