

8K 1×4 HDMI 2.1 Splitter with Audio De-Embedding

40Gbps, HDCP 2.3, Optical + 3.5mm Audio Out, 4K@120Hz, VRR/ALLM, EDID DIP

MPN: SP-1X4A8K



APPROVED OVERVIEW

Distribute one 8K HDMI 2.1 source to four displays with built-in audio de-embedding through optical S/PDIF and 3.5mm analog ports. The KanexPro SP-1X4A8K delivers 40Gbps bandwidth and supports resolutions up to 8K@60Hz 4:2:0 10-bit and 4K@120Hz 4:4:4 10-bit. Its audio extraction outputs connect to external amplifiers, soundbars, or powered speakers independently of the display audio.

HDMI 2.1 and HDCP 2.3 compliant. VRR, FVA, and ALLM for gaming. Full HDR pass-through (HDR10, HDR10+, Dolby Vision, HLG). Audio pass-through includes LPCM, Dolby TrueHD, DTS-HD Master Audio, DSD. Audio de-embedding: optical supports LPCM/Dolby/DTS up to 5.1CH; analog outputs PCM 2.0. 8-mode EDID DIP switch. Built-in equalizer, retiming, and driver. Metal enclosure (212 × 94 × 23 mm, 539 g), 9W max, Micro USB service port.

1 PRODUCT OVERVIEW

DESIGNED FOR

AV integrators needing 4-display 8K + audio breakout.

THE CHALLENGE

Splitting 8K to four displays + extracting audio.

THE KANEXPRO ADVANTAGE

Optical + 3.5mm dual audio de-embedding on 4 outputs.

2 PRODUCT POSITIONING

Premium 8K 1×4 with dual audio extraction.

3 APPLICATIONS

Home Theater

Split 8K source to four TVs. Extract audio via optical to AV receiver or via 3.5mm to powered speakers.

Gaming

4K@120Hz VRR to gaming monitor + secondary displays. Audio to external speaker system via optical.

Conference & AV

Laptop to four displays with audio extracted to room DSP or ceiling speakers.

Digital Signage

Four commercial displays + background audio from one media player. EDID DIP for deterministic resolution.

Education

Four classroom screens + PA system from one instructor source.

Broadcast

Four QC monitors + audio breakout to mixing console from one playback source.

4 WHO THIS IS FOR

AV Integrators

Home Theater

Gaming

Signage

Education

Broadcast

Ideal User

AV integrator

Project Types

Home theater, corporate, education, signage, broadcast

Typical Buyer

AV integrator / IT lead

5 KANEXPRO PRODUCT COMPARISON

The SP-1X4A8K is the only 8K 1×4 with dual audio de-embedding.

MODEL	BEST FOR	KEY CAPABILITY	HOW IT DIFFERS
SP-1X4A8K	8K 1×4 + audio	40Gbps, optical+3.5mm, 4 out	This product
SP-1X2A8K	8K 1×2 + audio	40Gbps, audio, 2 out	~\$120
SP-HD1X48K	8K 1×4 + downscale	48Gbps, auto downscale, no audio	~\$120

SP-1X4A8K for 4 outputs + audio. SP-1X2A8K for 2 outputs + audio. SP-HD1X48K for 4 outputs + downscaling (no audio).

6 FREQUENTLY ASKED QUESTIONS

Q: Downscaling?

No. Use SP-HD1X48K.

Q: Optical format?

LPCM/Dolby/DTS up to 5.1CH. Analog: PCM 2.0.