

8K 1×4 HDMI 2.1 Splitter with Auto Downscaling

48Gbps, HDCP 2.3, HDR → SDR Converting, Dolby Atmos/DTS:X, EDID DIP

MPN: SP-HD1X48K



APPROVED OVERVIEW

Split one 8K HDMI 2.1 source to four displays with automatic downscaling and HDR-to-SDR conversion — enabling mixed-resolution environments without manual configuration. The KanexPro SP-HD1X48K delivers 48Gbps bandwidth and supports resolutions up to 8K@60Hz 4:2:0 12-bit and 4K@120Hz 4:4:4 12-bit across all four outputs. Auto downscaling independently adjusts each output based on connected display capabilities.

HDMI 2.1 and HDCP 2.3 compliant. VRR, ALLM, QMS, QFT, SBTM supported. Full HDR pass-through (HDR10, HDR10+, Dolby Vision, HLG) with HDR → SDR auto converting per output. Audio: LPCM 7.1CH, Dolby TrueHD, Atmos, DTS-HD MA, DTS:X. 8-mode EDID DIP switch. Metal enclosure (145 × 68 × 17 mm, 263 g), 5.5W max, USB-C service port.

1 PRODUCT OVERVIEW

DESIGNED FOR

AV integrators with mixed-resolution multi-display environments.

THE CHALLENGE

Splitting 8K to 4 displays at different resolutions.

THE KANEXPRO ADVANTAGE

Auto downscaling + HDR → SDR on all 4 outputs.

2 PRODUCT POSITIONING

Premium 8K 1×4 splitter with per-output auto downscaling and HDR → SDR.

3 APPLICATIONS

Home Theater

Split 8K source to an 8K TV, 4K TV, and two 1080p screens.
Auto downscaling delivers native resolution to each.

Digital Signage

Drive four mixed-resolution commercial displays from one media player. No separate scalers needed.

Gaming & Esports

Duplicate 4K@120Hz VRR gameplay to gaming monitor, capture card, and two spectator displays.

Conference

Mirror laptop to four displays at different resolutions.
HDR → SDR ensures legacy projector compatibility.

Education

Distribute to four classrooms at varying resolutions with deterministic EDID control.

Broadcast

Feed one 8K camera to four QC monitors at mixed resolutions.

4 WHO THIS IS FOR

AV Integrators

Home Theater

Gaming

Signage

Education

Broadcast

Ideal User

AV integrator

Project Types

Home theater, signage, corporate, education, broadcast

Typical Buyer

AV integrator / IT lead

5 KANEXPRO PRODUCT COMPARISON

The SP-HD1X48K is the premium 1×4 with auto downscaling.

MODEL	BEST FOR	KEY CAPABILITY	HOW IT DIFFERS
SP-HD1X48K	8K 1×4 + downscale	48Gbps, auto downscale, HDR → SDR, 4 out	This product
SP-HD1X28K	8K 1×2 + downscale	Same features, 2 outputs	~\$80
SP-HD1X44K	4K 1×4 + HDR	10.2Gbps, no downscale	~\$50

Choose SP-HD1X48K for 4-output mixed-resolution distribution. SP-HD1X28K for 2 outputs. SP-1X2A8K for audio extraction.

6 FREQUENTLY ASKED QUESTIONS

Q: Audio extraction?

No. Use SP-1X2A8K.

sales@kanexpro.com | www.kanexpro.com