

8K 1×2 HDMI 2.1 Splitter with Auto Downscaling

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

MPN: SP-HD1X28K



APPROVED OVERVIEW

Split one 8K HDMI 2.1 source to two displays with automatic downscaling and HDR-to-SDR conversion — enabling mixed-resolution environments without manual configuration. The KanexPro SP-HD1X28K delivers 48Gbps bandwidth and supports resolutions up to 8K@60Hz 4:2:0 12-bit and 4K@120Hz 4:4:4 12-bit. Its auto downscaling independently adjusts each output (8K → 4K or 8K/4K → 1080p) based on connected display capabilities, while HDR-to-SDR conversion ensures compatibility with legacy SDR displays.

HDMI 2.1 and HDCP 2.3 compliant. Supports VRR, ALLM, QMS, QFT, and SBTM. Full HDR pass-through (HDR10, HDR10+, Dolby Vision, HLG). Audio includes LPCM 7.1CH, Dolby TrueHD, Dolby Atmos, DTS-HD Master Audio, and DTS:X. 8-mode EDID DIP switch for deterministic resolution control. Metal enclosure (95 × 68 × 18 mm, 177 g), 4.3W max, with USB-C service port for firmware updates.

1 PRODUCT OVERVIEW

DESIGNED FOR

AV integrators, home theater installers, gaming enthusiasts with mixed-resolution displays.

THE CHALLENGE

Splitting 8K/4K HDR to two displays of different resolutions without separate scalers.

THE KANEXPRO ADVANTAGE

Auto downscaling + HDR → SDR + 48Gbps + EDID DIP.

2 PRODUCT POSITIONING

Premium 8K 1×2 splitter with auto downscaling and HDR → SDR for mixed-resolution environments.

3 APPLICATIONS

Home Theater / Media Room

Split an 8K source to a primary 8K TV and a secondary 4K TV. Auto downscaling delivers native resolution to each display without manual configuration.

Gaming & Esports

Duplicate 4K@120Hz VRR gameplay to a gaming monitor and a capture card feed simultaneously. ALLM and QFT minimize latency.

Conference & Presentation

Mirror one laptop to an 8K display and a legacy 1080p projector. HDR → SDR converting ensures the projector receives compatible SDR content.

Retail & Digital Signage

Drive two displays from one media player. Auto downscaling handles mixed-resolution environments (e.g., 8K flagship + 4K secondary).

Education

Distribute instructor content to two displays at different resolutions. EDID DIP ensures deterministic resolution control.

Broadcast & Production

Feed one 8K camera to two confidence monitors at different resolutions for QC and color grading.

4 WHO THIS IS FOR

AV Integrators

Home Theater

Gaming

Education

Digital Signage

Broadcast

Ideal User

AV integrator or home theater installer

Project Types

Home theater, corporate, education, signage, broadcast

Typical Buyer

AV integrator or IT lead

5 KANEXPRO PRODUCT COMPARISON

The SP-HD1X28K is the premium 1×2 with auto downscaling.

MODEL	BEST FOR	KEY CAPABILITY	HOW IT DIFFERS
SP-HD1X28K	8K 1×2 + downscale	48Gbps, auto downscale, HDR → SDR	This product — premium tier
SP-HD1X48K	8K 1×4 + downscale	Same features, 4 outputs	More outputs; ~\$120
SP-HD1X24K	4K 1×2 basic	4K@30Hz, EDID, CEC	Entry-level; ~\$42
SP-HD1X44K	4K 1×4 + HDR	10.2Gbps, HDR/DV, EDID	Mid-tier; ~\$50

Choose SP-HD1X28K for mixed-resolution 8K distribution. SP-HD1X48K for 4 outputs. SP-1X2A8K for audio extraction.

6 FREQUENTLY ASKED QUESTIONS

Q: Auto downscaling?

Reads each display EDID and independently downscales per output.

Q: Audio extraction?

No. Use SP-1X2A8K for audio breakout.