

40Gbps, HDCP 2.3, HDR/Dolby Vision, 4K@120Hz, VRR/ALLM, Dual Output

A black, rectangular 4K HDMI switcher device. The front panel features a '4K' logo with '4K60 30FPS' and 'HDMI' text. Below the logo is a red power button. To its right are status LEDs: a red 'IN 1' LED, a green 'IN 2' LED, a red 'OUT 1' LED, and a green 'OUT 2' LED. Further right is a rotary 'SWITCH' knob, followed by a '1' LED, an 'EDID' port, and a 'SERVICE' port. On the left side, there are two HDMI input ports labeled 'IN 1' and 'IN 2'. On the right side, there are two HDMI output ports labeled 'OUT 1' and 'OUT 2'. A 'DC IN' port with a 5-pin connector is located on the far right.

Compliant with HDMI 2.1 and HDCP 2.3, the SW-2X28K delivers up to 8K@60Hz 4:2:0 and 4K@120Hz 4:4:4 at 40Gbps bandwidth. Full HDR pass-through — HDR10, HDR10+, Dolby Vision, and HLG — preserves cinematic image quality across both outputs. VRR, ALLM, and FVA optimize gaming performance. Built-in equalizer, retiming, and driver compensate for signal loss over longer HDMI runs. Control via IR remote or front-panel button. Compact metal enclosure drawing 6.15W.

Combines 2x2 switching and splitting in one device with 8-mode EDID DIP.

The only KanexPro 2x2 switch/splitter — 8K HDMI 2.1 with deterministic EDID control for dual-display mirroring.

3 APPLICATIONS

Home Theater / Media Room

Mirror a single 8K source across two displays — main TV and a secondary screen — while retaining the ability to switch between a game console and streaming box.

Conference & Presentation

Switch between two laptop HDMI feeds and display on dual screens (confidence monitor + audience display). EDID presets prevent renegotiation.

Retail & Digital Signage

Drive two identical displays from a single content player, with a second player as failover. Auto-switch ensures seamless content continuity.

Education & Lecture Halls

Instructor switches between document camera and laptop; both the projector and a local monitor show the same feed simultaneously.

Broadcast & Production

Feed two camera/playback sources to dual confidence monitors at up to 8K for QC review.

Gaming & Esports

VRR, ALLM, and 4K@120Hz support deliver tear-free dual-screen gaming for streaming setups (game display + capture feed).

4 WHO THIS IS FOR

AV Integrators

Home Theater Installers

IT Managers

Digital Signage

Education AV

Broadcast / Production

Ideal User	AV integrator or IT manager deploying dual-display 8K/4K setups
Project Types	Residential, corporate, education, signage, broadcast
Typical Buyer	Lead integrator or IT director

5 KANEXPRO PRODUCT COMPARISON

The SW-2X28K is the only KanexPro 2×2 switch/splitter.

MODEL	BEST FOR	KEY CAPABILITY	HOW IT DIFFERS
SW-2X28K	8K dual-display mirroring + switching	2×2 HDMI 2.1, 40Gbps, EDID DIP	This product — only KanexPro 2×2
SW-2X1A8K	8K switching + audio breakout	2×1 HDMI 2.1, optical+analog	Single output; has audio de-embed
SW-4X18K	8K 4×1 switching	4×1 HDMI 2.1, 48Gbps	4 inputs but single output only
SW-2X18K	Basic 8K 2×1	2×1 HDMI 2.1	No dual output, no EDID DIP

Choose SW-2X28K when dual simultaneous output is required. For audio breakout, add SW-2X1A8K.

6 FREQUENTLY ASKED QUESTIONS

Q: Audio de-embedding?

No. Video-only HDMI outputs. For audio breakout, use SW-2X1A8K.

Q: Can outputs show different sources?

No — switch/splitter, not matrix. Both mirror the selected input.

Q: Does it downscale?

No. Both displays must support the source resolution.