

1x8 HDMI Splitter with Independent 4K to 1080p Downscaling

Drive Eight Mixed-Resolution Displays From One 4K60 Source Without Collapsing to the Weakest Screen - 18Gbps 4:4:4, HDCP 2.2, EDID COPY/AUTO

MPN: SP-HDMI1X8-18G



Drives eight mixed-resolution HDMI displays from a single 4K60 source without collapsing the whole array to the weakest screen. The SP-HDMI1X8-18G is a 1x8 HDMI 2.0 distribution splitter that passes the full 18Gbps 4:4:4 signal to all eight outputs and independently downscales 4K to 1080p on any port that needs it, so new 4K panels and legacy 1080p screens run natively off one feed. It ships in a black metal enclosure with an external 12V locking power supply and draws just 6.4W, making it the right choice for signage, hospitality, and corporate distribution where reliable mixed-resolution delivery and install-grade build matter more than 8K bandwidth or matrix switching.

A COPY/AUTO EDID dial resolves the mixed-wall problem at the source: COPY reads the display on HDMI OUT 1 and lets each output serve its connected screen, while AUTO reports the best common EDID so every display accepts the signal. Full HDR10, HDR10+, Dolby Vision, and HLG pass-through keeps signage color and small type clean, and CEC on HDMI OUT 1 lets the anchor display power-sequence with the source. Its strongest differentiator is genuine per-output 4K-to-1080p downscaling with full-chroma 18Gbps HDR pass-through in a metal chassis with a locking multinational supply — the pro-install combination that commodity USB-powered splitters skip and premium distribution amplifiers charge several times more to match.

 4K60 4:4:4 18Gbps HDMI 2.0	 1x8 Eight HDMI Outputs	 4K→1080p Per-Output Downscaling	 HDCP 2.2 HDR10+ / Dolby Vision	 EDID COPY / AUTO Dial
---	---	--	---	--

KEY FEATURES

- 1x8 HDMI 2.0 distribution: one 4K60 source to eight displays
- Per-output 4K-to-1080p downscaling for mixed-resolution walls
- Full 18Gbps 4:4:4 at 4K@60Hz, 8/10/12-bit
- HDR10, HDR10+, Dolby Vision, and HLG pass-through
- HDCP 2.2 compliant across all eight outputs
- COPY/AUTO EDID dial for stable mixed-display arrays
- CEC on HDMI OUT 1 for anchor-display power sequencing
- Black metal enclosure with 12V locking multinational supply

SPECIFICATIONS

HDMI / HDCP	HDMI 2.0 - HDCP 2.2 - 18Gbps bandwidth
Video	4K@60Hz 4:4:4 - 8/10/12-bit
Downscaling	Per-output 4K to 1080p
HDR	HDR10 - HDR10+ - Dolby Vision - HLG
EDID	COPY / AUTO dial - CEC on OUT 1
Inputs / Outputs	1x HDMI IN - 8x HDMI OUT (Type A)
Control	USB Type-C service / firmware port
Power	DC 12V/1A locking PSU - 6.4W max
Enclosure	Black metal - 9.53 × 4.02 × 0.63 in
Dimensions / Weight	242 × 102 × 16 mm · 1.30 lbs (588 g)
Environmental	32-104°F operating - 20-80% RH
Certifications	CE - FCC - RoHS
Package Contents	1x 4K60 1x8 HDMI Splitter • 1x 12V/1A multinational locking power supply

APPLICATIONS

 Retail Video Walls One image across eight screens	 Sports Bars Feed mixed 4K and 1080p TVs	 QSR Menu Boards Sharp HDR pricing and photos	 Boardroom Overflow Mirror to lobby displays	 Education & Worship Confidence and overflow monitors
--	--	---	--	---



Scan for product page

kanexpro.com/item/SP-HDMI1X8-18G