

2x1 Dual-Display HDMI KVM Switch — 4K60, HDCP 2.3

Share Two Monitors, Keyboard & Mouse Between Two PCs with USB 3.0, Hotkey Switching & IR Remote

MPN: KVM-2X1DUAL8K



OVERVIEW

Switches two monitors, a keyboard, mouse, and USB peripherals between two PCs with a single button press, hotkey, or IR remote — no cable swapping, no desk clutter. The KVM-2X1DUAL8K handles dual HDMI displays simultaneously, so both screens follow your active computer in Mode 1, or each monitor stays locked to a different PC in Mode 2.

Built for dual-monitor power users, traders, developers, and control room operators. Supports 4K60 4:4:4 and 2K@144Hz for gaming and design work, with HDCP 2.3 for protected content. USB 3.0 sharing at 5Gbps connects webcams, printers, and external drives to whichever PC is active. Keyboard and mouse hotkey switching (Scroll Lock or Ctrl sequences), front-panel buttons, IR remote, and RS-232 commands provide four ways to switch. Built-in EDID emulators prevent resolution negotiation delays. Ships with 4× HDMI cables + 2× USB cables — ready to connect out of the box.

1 PRODUCT OVERVIEW

DESIGNED FOR

Dual-monitor professionals switching two PCs — traders, developers, designers, control room operators, WFH power users.

THE CHALLENGE

Cable swapping is slow and wears connectors. Budget KVMs lack HDCP 2.3, causing black screens with streaming and protected content.

THE KANEXPRO ADVANTAGE

HDCP 2.3, dual-display switching, 4 control methods, EDID emulation, all cables included, RS-232 for automation.

2 PRODUCT POSITIONING

KVM-2X1DUAL8K is the complete dual-display KVM solution for professionals who need two monitors, USB 3.0, and HDCP 2.3 without compromise.

3 APPLICATIONS

Trading Desks & Finance

Traders running two monitors per station switch between market data and order execution PCs without rewiring. Zero-latency switching keeps up with fast-moving markets.

Software Development

Developers switch between a build machine and a test/debug PC while keeping dual monitors, keyboard, and peripherals on one clean desk.

Control Rooms & Security

Operators monitor dual-screen CCTV or SCADA views and switch USB control to different host PCs without leaving their station.

Creative & Design Studios

Photographers and video editors switch between a color-graded reference monitor and a UI monitor across two workstations. HDCP 2.3 handles protected preview content.

Home Office & Remote Work

Work-from-home professionals switch a dual-monitor setup between a company laptop and a personal PC — one desk, two computers, zero cable swapping.

Gaming & Streaming

2K@144Hz support lets gamers switch between a gaming PC and a streaming/encoding PC while sharing a webcam and microphone via USB 3.0.

4 WHO THIS IS FOR

Finance/Trading

Software Dev

Control Rooms

Creative Studios

Home Office

Gaming/Streaming

Ideal User

IT procurement, trading floor tech lead, or dual-monitor professional

Project Types

Finance, Software Dev, Security/Control Rooms, Creative, Home Office

Typical Buyer

IT director, facilities manager, or individual buyer

5 KANEXPRO PRODUCT COMPARISON

KanexPro KVM switches for different use cases:

MODEL	BEST FOR	KEY CAPABILITY	HOW IT DIFFERS
KVM-2X1DUAL8K	Dual-display 2×1 KVM	4K60, HDCP 2.3, USB 3.0	Two monitors + USB switch together; IR, RS-232, hotkeys
KVM-2X1HDMI8K	Single-display 2×1 KVM	8K60, HDCP 2.3, USB 3.0	One monitor; choose when only 1 display needed
KVM-4X1MV4K	4×1 MultiView KVM	4K60, USB 3.0, quad-view	4 PCs on 1 screen with tiling; choose for monitoring

Choose KVM-2X1DUAL8K when you need two monitors to switch between two PCs.

6 FREQUENTLY ASKED QUESTIONS

Q: Mode 1 vs Mode 2?

Mode 1: both monitors switch to same PC. Mode 2: each monitor locked to different PC, only USB switches.

Q: Does hotkey mode affect USB speed?

When Hotkey ON, front USB-A ports drop to USB 1.1 for keyboard/mouse. Rear USB 3.0 ports stay at 5Gbps.

Q: Works with Mac?

Yes — plug and play with Windows, macOS, and Linux. No drivers.

Q: What cables are included?

4× HDMI cables (1.5m) + 2× USB 3.0 A-to-B cables (1.8m) + IR remote + IR receiver cable. Ready to connect.

Q: Can I control it from Crestron?

Yes — RS-232 (3-pin phoenix, 115200 baud) supports full ASCII command set for integration.