

2x1 HDMI 2.1 KVM Switch — 8K60, 4K120, HDCP 2.3

Share One 8K Display, Keyboard & Mouse Between Two PCs with USB 3.0, VRR & Zero Latency

MPN: KVM-2X1HDMI8K



OVERVIEW

Switches one 8K display, keyboard, mouse, and USB peripherals between two PCs — with HDMI 2.1 supporting 8K@60Hz, 4K@120/144Hz, and 1080p@240Hz for gaming, creative, and professional workflows. The KVM-2X1HDMI8K is the most affordable HDMI 2.1 KVM with VRR, ALLM, and zero-latency switching.

Purpose-built for gamers, content creators, and professionals who need the highest resolution and refresh rate from a single-monitor KVM. 40Gbps bandwidth handles 8K and 4K high-refresh without compression. HDCP 2.3 ensures protected content plays without issues. USB 3.0 at 5Gbps shares webcams, storage, and peripherals. Keyboard/mouse hotkeys, front-panel button, IR remote, and RS-232 provide four switching methods. EDID emulators on both inputs prevent handshake delays. Ships with 2x HDMI + 2x USB cables. CEC pass-through supported.

1 PRODUCT OVERVIEW

DESIGNED FOR

Gamers, content creators, and professionals needing 8K/4K120 from one monitor.

THE CHALLENGE

HDMI 2.0 KVMs cap at 4K60 with no VRR. Budget 8K KVMs lack verified features.

THE KANEXPRO ADVANTAGE

HDMI 2.1 (40Gbps), VRR/ALLM, CEC, HDCP 2.3, included cables, ultra-compact.

2 PRODUCT POSITIONING

KVM-2X1HDMI8K — the most affordable HDMI 2.1 KVM with verified VRR and included cables.

3 APPLICATIONS

PC Gaming

4K@120/144Hz with VRR/ALLM — switch between gaming PC and streaming/encoding PC seamlessly.

Content Creation

8K editing on one PC, 4K color grading on another — switch without resolution renegotiation.

Home Office

Work laptop + personal PC on one 4K/8K monitor. HDCP 2.3 handles streaming on both.

Software Development

Dev machine + test machine sharing one high-res monitor. USB 3.0 shares keyboard, mouse, webcam.

AV Production

Preview 8K content from two different sources on one reference monitor.

Esports / Streaming

1080p@240Hz competitive gaming on PC 1, OBS streaming on PC 2. Shared webcam via USB.

4 WHO THIS IS FOR

Gaming

Content Creation

Esports

Home Office

AV Production

Streaming

Ideal User

Gamer, streamer, video editor

Project Types

Gaming, Content Creation, Esports, Home Office

Typical Buyer

Individual buyer, venue tech

5 KANEXPRO PRODUCT COMPARISON

KanexPro KVM switches:

MODEL	BEST FOR	KEY CAPABILITY	HOW IT DIFFERS
KVM-2X1HDMI8K	2×1 Single-Display	8K60, 4K120, HDMI 2.1	Highest resolution, VRR/ALLM, single monitor
KVM-2X1DUAL8K	2×1 Dual-Display	4K60, HDMI 2.0	Two monitors, HDCP 2.3
KVM-4X1MV4K	4×1 MultiView	4K60, HDMI 2.0b	4 PCs on 1 screen with tiling

Choose KVM-2X1HDMI8K for highest resolution/refresh on a single monitor.

6 FREQUENTLY ASKED QUESTIONS

Q: VRR works through the KVM?

Yes — VRR, ALLM, QMS all pass through with zero added latency.

Q: What cables are included?

2× HDMI (1.5m) + 2× USB 3.0 A-to-B (1.8m) + IR remote.

Q: When should I choose the Dual8K instead?

When you need two monitors. The Dual8K supports 2 displays but maxes at 4K60 (HDMI 2.0).

Q: Does it support 4K@144Hz?

Yes — 4K@120Hz and 4K@144Hz are both supported via HDMI 2.1.