

HDMI 2x1 KVM Switcher Dual Display 8K@60

Dual Monitor KVM Switcher

KVM-2X1DUAL8K

The KanexPro KVM-2X1DUAL8K is a 2x1 KVM Switcher with dual-channel switching and hotkey switching. It supports resolutions up to 4K@60Hz 4:4:4 8bit and can also transmit USB 3.0 signal up to 5Gbps for KVM function. It can share two monitors and USB devices between two PCs and supports two modes to operate. The switcher features virtual interaction function, so that it can automatically wake up the connected PC that is in standby mode, which can reduce the switching time. It also supports direct switching through buttons on the front panel, IR remote, and hotkeys through keyboard/mouse connected to the special USB port. It provides a wide compatibility choice for different operating systems, such as Windows, Mac OS and Linux, no driver required and simple plug and play.

Applications:

A Dual Channel KVM Switch allows you to control multiple computers using a single set of peripherals (keyboard, video, mouse), but with the capability to manage two independent video channels. This is different from a standard KVM switch, which typically only supports a single video channel per computer. The dual-channel feature enables switching between two computers while using two different monitors (one for each video channel), making it ideal for scenarios where two distinct outputs are needed. Here are some applications for a Dual Channel KVM Switch:

- 1. High-Performance Workstations for Multitasking
- 2. Financial Trading and Stock Monitoring
- 3. Data Centre’s and IT Management
- 4. 3D Modelling and CAD Design
- 5. Dual-OS Development and Testing
- 6. Multimedia Production Studios
- 7. Gaming and Streaming
- 8. Medical and Scientific Research
- 9. Digital Forensics and Security Analysis
- 10. Broadcasting and Live Event Management



Key Benefits of Using an HDMI 2-Input Port KVM Switch:

- Space Efficiency
- Cost Savings
- Seamless Workflow

FEATURES

- HDCP 2.3 compliant
- Support Ultra-wide Screen, resolution up to 4K@60Hz, 2K@60Hz/144Hz as specified in HDMI 2.0
- HDR, HDR10, HDR10+, Dolby Vision, HLG pass-through
- Using only 1 set of keyboard, mouse and monitor to control 2 computers
- Support video fast switching, and keyboard/mouse seamless switching
- Each input port has an EDID emulator to provide the correct information for the PC
- Support hot plug, disconnect or connect devices to the KVM at any time
- Switching via front panel buttons, keyboard/mouse hotkeys, IR remote control, and RS-232 commands
- Support auto switching
- Advanced hardware/software design and production ensure zero latency
- The integrated USB 3.0 ports allow you to share USB peripherals like printer, scanner, webcam and hard disk between computers with data transfer rate up to 5Gbp/s
- Compact design for easy and flexible installation

SPECIFICATIONS

TECHNICAL	
HDMI Compliance	HDMI 2.0
HDCP Compliance	HDCP 2.3
Video Bandwidth	18Gbps
Video Resolution	Up to 4K@60Hz, 2K@60Hz/144Hz
Color Space	RGB, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0
Audio Latency	No Latency
Video Latency	No Latency
Color Depth	8/10/12 bit
IR Level	5Vp-p
IR Frequency	Fixed frequency 38KHz
Audio Formats	HDMI IN/OUT: LPCM, Dolby Digital/Plus/EX, Dolby True HD, Dolby Atmos, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DTS:X, DSD L/R OUT: PCM 2.0CH
HDR	HDR, HDR 10, HDR 10+, Dolby Vision, HLG
ESD Protection	IEC 61000-4-2: ±8kV (Air-gap discharge) & ±4kV (Contact discharge)

Connection	
Input ports	4 x HDMI input [Type A, 19-pin female]
Output ports	2 x HDMI output [Type A, 19-pin female] 1 x L/R audio output [3.5mm Stereo Mini jack]
Control ports	1 x RS-232 [3pin-3.81mm phoenix connector] 1 x IR EXT [3.5mm Stereo Mini-jack] 2 x USB HOST [USB Type B] 4 x USB DEVICES [USB Type A]

Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions	220mm [W] × 100mm [D] × 30mm [H]
Weight	626g
Power Supply	Input: AC 100-240V 50/60Hz, Output: DC 12V/1A (US/EU standards, CE/FCC/UL certified)
Power Consumption	Typical value: 5.18W Standby mode: 0.6W
Operating Temperature	32 ~ 104°F / 0°C ~ 40°C
Storage Temperature	-4°F ~ 140°F / -20°C ~ 60°C
Relative Humidity	20 ~ 90% RH (Non-Condensing)
Video Resolution	4K@60 4:4:4 1080P@60 4:4:4
HDMI Cable Length	5m/16ft 5m/16ft
(HDMI IN / OUT)	
The use of "Premium High-Speed HDMI" cable is highly recommended.	

APPLICATION DIAGRAM

