

HDMI 4X1 KVM Switcher with Multi-View Tiling 4K

USB 3.0 Seamless Switcher

MPN: KVM-4X1MV4K



The **KanexPro KVM-4X1MV4K HDMI & USB 3.0 KVM Switcher** was designed for the purpose of supporting higher output resolution (4K@60) for multiple sources on a single screen. It can combine up to four video signals onto a single UHD or HD displayer. The user can manage each input, and create combinations of the four inputs on a single display, as well as adjust the position of any input. It supports 8 display modes, within the mode range, users can freely switch 4-channel HD input signals. It can realize single screen display and Multiview display on a single screen.

This device supports full range of input video resolutions up to 4K@60 (RB) and audio RCA /Optical de-embedding supported for external audio distribution systems. Besides, the switcher can transmit USB 3.0 signal up to 5Gbps for KVM function.

Applications:

- Multi-Computer Workstations
- Media Production/Editing
- Server Management
- Gaming Setup
- Educational/Training Applications
- Home Office or Small Business
- Professional Audio/Video Setups

Key Benefits of Using an KVM-4X1MV4K:

- Support for 4K Ultra HD Resolution
- USB 3.1 Support for Faster Data Transfer
- Multiple Device Management
- Easy Switching Between Devices
- Space and Cost Efficiency
- Wide Compatibility Choice
- USB Peripheral Support
- Seamless Integration with Audio-Video Systems
- Remote Management Capabilities
- Plug-and-Play Operation

FEATURES

- HDCP 2.2 and HDCP 1.x compliant
- Support 18Gbps uncompressed video bandwidth
- Input and output resolutions support up to 4K2K@60Hz 4:4:4, as specified in HDMI 2.0b
- Support LPCM, DD+, DTS audio pass-through, up to 7.1 audio channel
- Seamless switching between input channels and combined multiple images on single UHD monitor
- Up to 8 display modes: Single, PIP, PBP (1), PBP (2), Triple (1), Triple (2), Quad (1), Quad (2)
- Seamless switching in single screen display mode
- Fast switching in multiview display mode
- Using only 1 set of keyboard, mouse and monitor to control 4 computers
- Built-in 3-port USB 3.1 Gen 1 hub with SuperSpeed 5Gbps data transfer rates, allowing you to share USB peripherals like printer, scanner, webcam and hard disk between computers

SPECIFICATIONS

TECHNICAL	
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2/1.x
Video Bandwidth	18Gbps
Video Resolution	Up to 4K2K@60Hz 4:4:4
IR Level	5Vp-p
IR Frequency	Fixed frequency 38KHz
Color Space	RGB, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0
Color Depth	8/10/12bit
Audio Formats	HDMI: PCM2.0/5.1/7.1CH, Dolby Digital/Plus/EX, DTS, DTS-96/24, DTS High Res, DSD Analog audio [3.5mm L/R]: PCM2.0 SPDIF (OPTICAL): Dolby Digital/Plus, DTS 5.1, PCM2.0 Note: It does not support HBR audio.
ESD Protection	IEC 61000-4-2: ±8kV (Air-gap discharge) & ±4kV (Contact discharge)

Connection	
Input	4 x HDMI IN [Type A, 19-pin female]
Output	1 x HDMI OUT [Type A, 19-pin female] 1 x L/R OUTPUT [RCA] 1 x OPTICAL OUTPUT [S/PDIF]
Control ports	1 x RS-232 [3pin-3.81mm phoenix connector] 1 x IR EXT [3.5mm Stereo Mini-jack] 4 x USB 3.0 HOST [USB Type B] 2 x USB 2.0 DEVICE [USB Type A] 3 x USB 3.0 DEVICE [USB Type A]

Mechanical	
Housing	Metal Enclosure
Colour	Black
Dimensions	220mm[W] x 100mm[D] x 44mm[H]
Weight	443g
Power Consumption	18.48W (Max)
Power Supply	Input: AC 100 ~ 240V 50/60Hz Output: DC 12V/2.5A (US/EU standard, CE/FCC/UL certified)
Operation Temperature	32 ~ 104°F / 0 ~ 40°C
Storage temperature	-4 ~ 140°F / -20 ~ 60°C
Relative Humidity	20 ~ 90% RH (no condensation)



## APPLICATION DIAGRAM

