VigilLink

2 Port 4K60 HDMI KVM Switcher

Introducing our 2x1 KVM Switcher with hotkey switching functionality for seamless control. This versatile switcher suports resolutions up to 4K@60Hz 4:4:4 8bit and transmits USB 3.0 signals at speeds up to 5Gbps for efficient KVM operations. Enhanced with a virtual interaction function, the switcher automatically wakes up connected PCs in standby mode, miimizing switching time. Enjoy the flexibility of direct switching through front panel buttons, an IR remote, or hotkeys via a keyboard/mouse connected to the dedicated USB port.

Designed for user convenience, it offers wide compatibility across various operating systems, including Windows, Mac OS, and Linux. No drivers are required — simply plug and play for a hassle-free experience.

Feature Highlights

- HDCP 2.3 compliant
- Support Ultra-wide Screen, resolution up to 4K@60Hz, 2K@60Hz/144Hz as specified in HDMI 2.1
- 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 printers, scanners, webcam, and hard disk between computers with data transfer rates up to 5Gbp/s
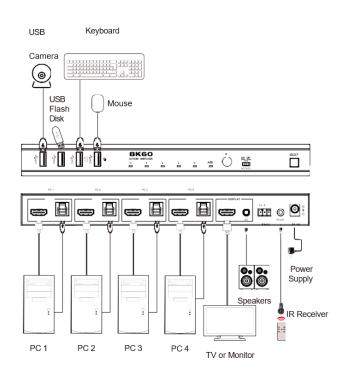- Compact design for easy and flexible installation

Connecting for a Smarter Future

TECHNICAL

HDMI Compliance	HDMI 2.0
HDCP Compliance	HDCP 2.3
Video Bandwidth	18Gbps
Audio Latency	No Latency
Video Latency	No Latency
Video Resolution	Up to 4K@60Hz, 2K@60Hz/144Hz
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
HDR	HDR, HDR10, HDR10+, Dolby Vision, HLG
CEC	Support
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
ESD Protection	IEC 61000-4-2: ±8kV (Air-gap discharge) & ±4kV (Contact discharge)

CONNECTIONS

Input:	2 x HDMI input [Type A, 19-pin female]
Output:	1 x HDMI output [Type A, 19-pin female] 1 x L/R audio output [3.5mm Stereo Mini-jack]
Control:	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
Dimension	175mm [W] x 100mm [D] x 30mm [H]
Weight	506g
Power Supply	Input: AC 100 - 240V 50/60Hz Output: DC 12V/1A (US/EU standard, CE/FCC/UL certified)
Power Consumption	Typical value: 5.16W Standby mode: 0.6W
Operation Temperature	032 - 104°F / 0 - 40°C
Storage Temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20~90% RH (non-condensing)

RECOMMENDED HDMI CABLES

VIDEO RESOLUTION	4K60 4:4:4	1080P 4:4:4
HDMI CABLE TYPE	HDMI cable	HDMI cable
HDMI CABLE LENGTH (HDMI IN/ OUT)	5m/16ft	10m/33ft

The use of "Premium High Speed HDMI" cable is highly recommended.

Classic Application Example