

SC-KVM2H0202R-A

4K KVM Switcher

Model Number:#2508262147



Features

- HDCP 2.3 compliant
- Supports HDMI 2.0 resolutions up to 4K@60Hz with 4:4:4 8-bit color
- Supports 2K resolutions at 60Hz and 144Hz
- Supports ultra-wide display resolutions
- Supports HDR, HDR10, HDR10+, Dolby Vision and HLG pass-through
- Shares two monitors, one keyboard, one mouse and USB peripherals between two computers
- Supports dual-channel and hotkey switching
- Fast video switching
- Seamless keyboard and mouse switching
- EDID emulator on each input for stable display detection
- Virtual interaction function for waking compatible computers from standby
- USB 3.0 data transfer rates up to 5Gbps
- Shares printers, scanners, webcams, storage devices and other USB peripherals
- Hot-plug support for connected computers and USB devices
- Automatic switching
- Controlled via front-panel buttons, keyboard or mouse hotkeys, IR remote and RS-232
- Compatible with Windows, macOS and Linux
- Driver-free plug-and-play operation
- Zero-latency KVM interaction
- Compact design for easy and flexible installation

Product Overview

The 4TheWall 2 Port Dual Monitor 4K KVM Switcher lets two computers share two screens, a keyboard, mouse, and USB 3.0 peripherals at up to 5Gbps. Designed for professional workstations and control rooms, it handles video resolutions up to 4K@60Hz (4:4:4 8 bit), 2K up to 144Hz, and ultra wide formats, with HDR pass through for HDR10, HDR10+, Dolby Vision, and HLG. Dedicated EDID emulators on each input preserve desktop layouts and display detection across switching, while virtual interaction keeps computers active and wakes them from standby. Switching is managed via front panel buttons, the included IR remote, RS 232, keyboard and mouse hotkeys, or automatic switching. Operating with driver free, plug and play setup, it fully supports Windows, macOS, and Linux systems.

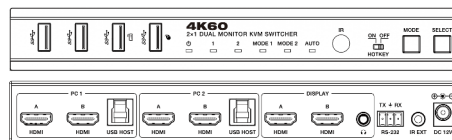
- **Dual-Monitor KVM Switching:** Allows two computers to share two monitors, a keyboard, a mouse and connected USB peripherals.
- **4K@60Hz 4:4:4 Video:** Supports Ultra HD video with full color information and 8-bit color depth for clear text and detailed images.
- **2K@144Hz Support:** Supports high-refresh-rate 2K video for applications requiring smoother motion and responsive visual performance.
- **Ultra-Wide Resolution Support:** Accommodates compatible ultra-wide displays used in control rooms, trading desks and professional workstations.
- **Advanced HDR Pass-Through:** Transfers HDR, HDR10, HDR10+, Dolby Vision and HLG content between compatible computers and displays.
- **Fast Video Switching:** Reduces the transition time when changing between connected computer sources.
- **Seamless Keyboard and Mouse Control:** Maintains responsive KVM operation while switching between computers.
- **Per-Input EDID Emulation:** Keeps display information available to each computer, helping preserve resolution settings and desktop arrangements during switching.
- **Virtual Interaction:** Maintains virtual keyboard, mouse and display communication and can wake compatible computers from standby.
- **USB 3.0 Peripheral Sharing:** Shares high-speed USB devices between two computers at data rates up to 5Gbps.
- **Hot-Plug Support:** Allows compatible computers and USB peripherals to be connected or disconnected without shutting down the KVM system.
- **Hotkey Switching:** Enables rapid computer selection using keyboard or mouse commands through the designated USB control port.
- **Automatic Switching:** Automatically changes to an available computer according to the configured operating mode.
- **RS-232 Integration:** Allows the KVM switcher to be controlled through professional automation and control systems.
- **Multi-Platform Compatibility:** Works with compatible Windows, macOS and Linux computers.
- **Driver-Free Operation:** Requires no dedicated software installation, providing straightforward plug-and-play setup.
- **Zero-Latency Interaction:** Hardware and software optimization provides real-time keyboard and mouse response.



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Technical Specifications

Input and Output	
Inputs	2 + 2 (4) HDMI 2.0 Type A (19-pin female) with 2 x USB 3.0 Type-B Host 1 x IR Input Fixed frequency 38KHz, 5Vp-p
Outputs	2 x OUT (HDMI2.0 Type A, 19-pin female) 4 x USB DEVICE (USB-A, 9-pin female) 1 x L/R AUDIO OUT (3.5mm stereo) LPCM 2CH (sample rate 32~192kHz)
Inputs Resolution	Up to 4K@60Hz, 2K@60Hz/144Hz
Outputs Resolution	Up to 4K@60Hz, 2K@60Hz/144Hz
Control Ports	1 x RS-232 [3-pin 3.5mm phoenix connector]
General Features	
Video Bandwidth	18Gbps
Color Space	RGB, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0
Color	8/10/12bit
HDR	HDR, HDR10, HDR10+, Dolby Vision, HLG
HDCP	2.3/2.2 and 1.4
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
Management Features	
Management and Control	IR Control, Hot Key Control, RS232 (3pin Phoenix) with API
Others	
Power Connection	Input: AC 100-240V 50/60Hz, Output: DC 12V/1A
Working Temperature	32 - 104°F / 0 - 40°C
Humidity Range	20 - 80% RH (no condensation)
Storage Temperature	-4 - 140°F / -20 - 60°C
Dimensions	220mm × 100mm × 30mm - Width/Depth/Height, Metal Enclosure
Weight	626 g
Power Value/Consumption	Typical value: 5.18W Standby mode: 0.6W
Mounting	Desktop Metal and Black / Optional Rack Mount
ESD Protection	Human body model — ±8kV (Air-gap discharge) & ±4kV (Contact discharge)
Conformity	
EU/USA	CE/FCC/UL
Package Details	
Package Contents	1 x 4K60 2x1 Dual Monitor KVM Switcher 1 x IR Remote 1 x 3pin-3.81mm Phoenix Connector (male) 1 x Fixed Frequency 38KHz IR Receiver Cable (1.5 meters) 2 x USB Cable (USB 3.0, Type A to Type B, 1.8 meters) 4 x HDMI Cable (male to male, 1.5 meters) 2 x Mounting Ears 4 x Machine Screws (KM3*4) 1 x 12V/1A Multinational Locking Power Supply 1 x User Manual