

# SM-UHS-4S

4-PORT ULTRA-HD SEAMLESS HDMI KVM SWITCH WITH MULTIVIEWER



EXPERIENCE SEAMLESS CONTROL WITH OUR 4-PORT SINGLE HEAD HDMI KVM SWITCH, OFFERING INSTANT VIDEO SWITCHING AND UHD 4K @60 VIDEO RESOLUTION

## FEATURES

- **Fast Seamless Video Switching.** Virtually zero delay for uninterrupted channel transitions
- **UHD 4K @ 60 Video Resolution.** Enjoy stunning Ultra HD visuals at a smooth 60Hz refresh rate
- **Built-In Video Scaler.** Effortlessly handle various input resolutions; no need for inputs to be 4K @60 as the unit scales them up for optimal display
- **Mouse-Driven Channel Switching.** Seamlessly switch channels using mouse movements on-screen
- **Full KM Emulation.** Manage 4 connected computers effortlessly
- **Independent USB 2.0 Switching.** Supports separate switching for USB devices
- **IP Connectivity with Graphic Web UI.** Control via web-based interface for easy management
- **Multiple Video Modes.** Single, PiP, Tri-view, and Quad View options for versatile display
- **Power Redundancy.** Ensures continuous operation with power backup

## APPLICATIONS

- Command Centers
- Video Editing
- Security Surveillance
- Air Traffic Control
- Broadcast Studios
- Data Centers
- Medical Imaging
- Gaming Centers

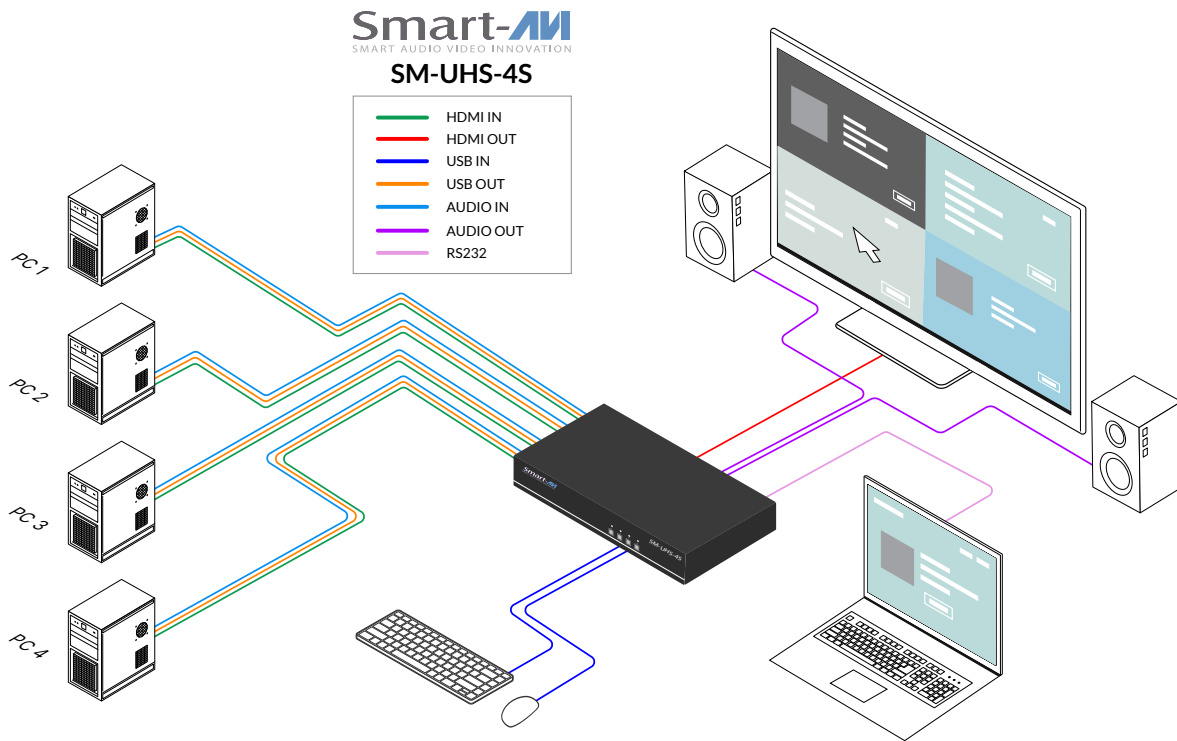


Designed and Manufactured in the USA

# OVERVIEW

Introducing the SM-UHS-4S, our cutting-edge 4-port Single Head HDMI KVM Switch designed to redefine control experiences. Unleash the power of seamless video switching technology, ensuring virtually zero delay during channel transitions. This advanced device, featuring UHD 4K @60 video resolution, not only delivers stunning visuals but also prioritizes uninterrupted workflows crucial for precision-driven environments. With the innovation of mouse-driven channel switching across the monitor, the SM-UHS-4S offers unparalleled efficiency, making it a game-changer in applications ranging from command centers to security surveillance. Explore the versatility of Single, Picture-in-Picture, Tri-view, or Quad View modes, and elevate your control with the SM-UHS-4S, where seamless switching meets high-definition excellence.

# APPLICATION DIAGRAM



# FRONT AND BACK



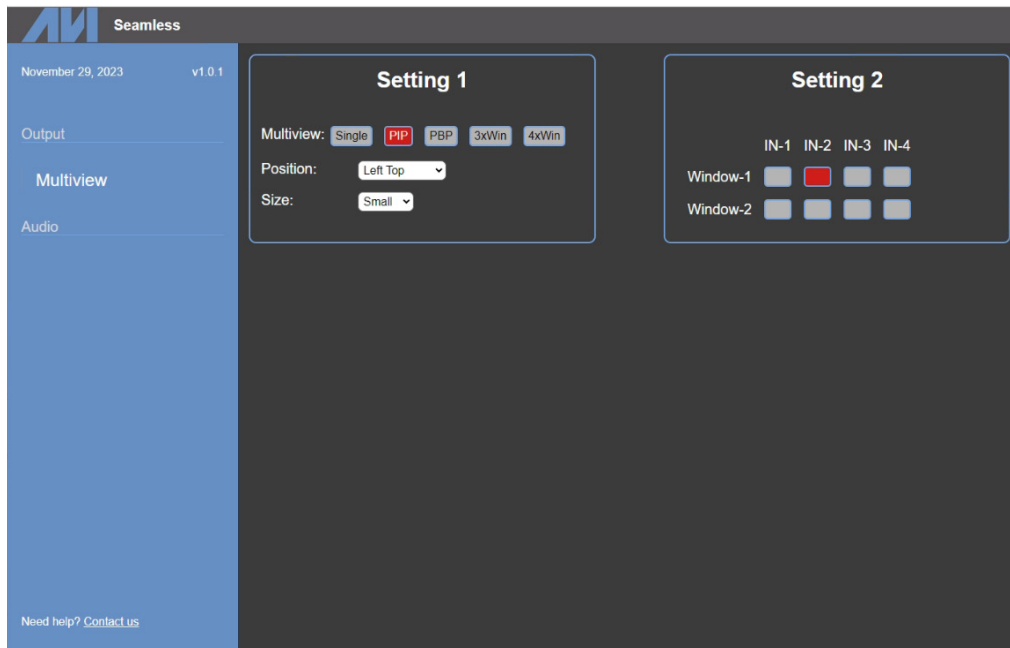
SM-UHS-4S Front



SM-UHS-4S Back

# CUSTOMIZABLE CONTROL INTERFACE

Experience effortless customization and streamlined configuration with the IP-based Web User Interface (UI) for setting Multiviewer options on our innovative KVM switch. Designed for simplicity, this intuitive UI offers easy customization and a multitude of options, all conveniently located in one centralized platform. Whether tailoring your display preferences, adjusting layout options, or managing various settings, the Web UI provides a user-friendly interface for swift and efficient configuration. Explore the power of seamless control, where the diversity of options meets the convenience of one centralized location

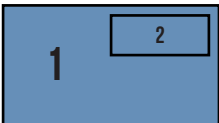


## SCREEN MODES



### Full Screen Mode

In the Full Screen mode, one of the four computers is displayed in full screen size and maximum resolution.



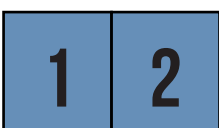
### PiP Mode

PIP mode is fixed in size and position; the full screen displays one of the four video sources, and a smaller image (thumbnail) containing another video source on the right-hand margin of the screen allows for simultaneous monitoring.



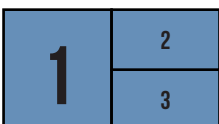
### Quad View Mode

In Quad View mode, the screen is split into four fields of equal size with the screen content of four video sources or computers being displayed in each of these fields.



### Dual Mode

In Dual Mode, two channels are displayed side by side in equal size of each other.

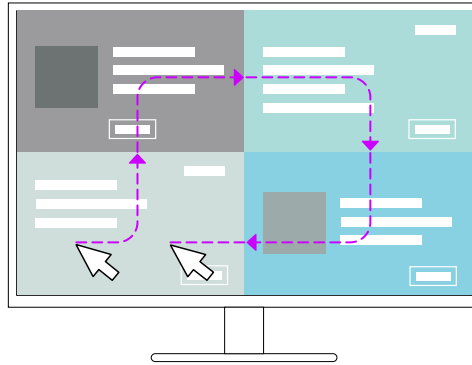


### Tri-View Mode

In Tri-View Mode, the left half of the screen will display one channel and the right half of the screen will display two channels.

# SEAMLESS INTEGRATION AND OPERATION

Experience unparalleled control with our revolutionary switching feature titled 'Mouse-Driven Multiviewer Channel Switching.' In Quad View mode this innovative functionality allows users to seamlessly move the mouse across channels, triggering instant USB switching with zero lag. This cutting-edge capability elevates the user experience to new heights, offering not just a display switch but a fluid and responsive interface that adapts effortlessly to your navigation preferences. Enjoy a dynamic and intuitive control experience as you effortlessly glide between channels, making the most of the SM-UHS-4S's advanced technology.



## TECHNICAL SPECIFICATIONS

USB	
Signal Type	USB 2.0, 1.1, and 1.0 w/ internal hub
CPU Ports	(4) USB Type B (female)
User Control Interface	(2) USB Type-A for keyboard and mouse connection only; (2) USB Type-A for USB 2.0 transparent
VIDEO	
Format	HDMI
Host Interface	(4) HDMI 19-pin (female)
User Console Interface	(1) HDMI 19-pin (female)
Max Resolution	3480 x 2160 @ 60 Hz
DDC	5 volts p-p (TTL)
Input Equalization	Automatic
Input Cable Length	Up to 20 ft
Output Cable Length	Up to 20 ft
AUDIO	
Input Interface	(4) 3.5mm stereo audio / (4) HDMI2.0
Output Interface	(1) 3.5mm stereo audio / (1) HDMI2.0

CONTROL	
Front Panel	Buttons (SELECT audio/video source)
RS232	Via serial @ 115200 bps
Hot Keys	Via Keyboard
Mouse	Mouse Roaming in Quad Mode
Web GUI	Via LAN
OTHER	
Power	External 100-240 VAC/12VDC3A @ 24W
Dimensions	12.57" W x 1.76" H x 6.69" D
Weight	4.2 lbs
Approvals	UL, CE, ROHS Compliant
Operating Temperature	+32 to +104°F (0 to +40°C)
Storage Temperature	-4 to 140°F (-20 to +60°C)
Humidity	5 to 90% (No Condensation)
Emulation	Keyboard and Mouse
PART NO.	DESCRIPTION
SM-UHS-4S-S	4-port Single Head HDMI Seamless KVM Switch with Multiviewer. Includes: [SM-UHS-4S & (PS12VDC3A)]

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