SPS-U8P

Seamless Presenter Switching For Smarter Meetings

The SmartAVI SPS-U8P is an 8-source Presentation Switcherdesigned for presentation and conference room systems that require centralized source management and multi-source display. It supports HDMI, DisplayPort, and USB-C inputs, allowing users to connect laptops, desktop computers, and other AV devices and display them on a single screen.

The switcher supports resolutions up to 4K60 and offers multiple Multiviewer display modes including Single, PIP, PBP, 3-Window, and 4-Window layouts. Mirrored HDMI outputs support local displays, while an extended output allows video to be transmitted to a remote display over category cable.

KEY FEATURES AND CAPABILITIES

FEATURES

- **Inputs:** 7x HDMI 2.0, 1x DisplayPort, 1x USB-C (video only)

- **Outputs:** 2x HDMI, 1x CAT5, 1× 5-way captive female screw connector, 1x Mini Toslink connector

- **Extension:** CAT5 transmission up to 70m @4K or 100m @1080p60

- **KVM Functionality:** 8 USB host inputs and multiple USB device outputs for integrated control

- **Control:** RS-232 ports for system integration

- **Scene Management:** Support up to 20 preset layouts for quick recall

- **Interface:** OSD menu navigation for configuration and control

- **Support 5 categories of Multiview modes:** SINGLE, PiP, PbP, 3xWIN, and 4xWIN

- Seamless switching on single window display mode; fast switching on non-single window display modes

APPLICATIONS

- Conference rooms

- Presentation and Broadcast rooms

- Collaborative workspaces

- Video Conference

- Security monitoring

- Video Editing

Designed and Manufactured in the USA

SPS-U8P Front

SPS-U8P Back

Integrated USB ports enable keyboard and mouse control of connected systems, and RS-232 ports allow connection to external devices for system control. Users can operate the switcher through front-panel buttons, a remote control, RS-232, or TCP/IP commands, making it suitable for conference rooms, training rooms, and collaborative workspaces.

MULTIVIEW

Fullscreen Mode

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

Dual Mode

In the Dual Mode, the screen is split into two fields of equal size with the screen content of two video sources or computers being displayed in each of these fields.

Picture-in-Picture (PiP)

The 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.
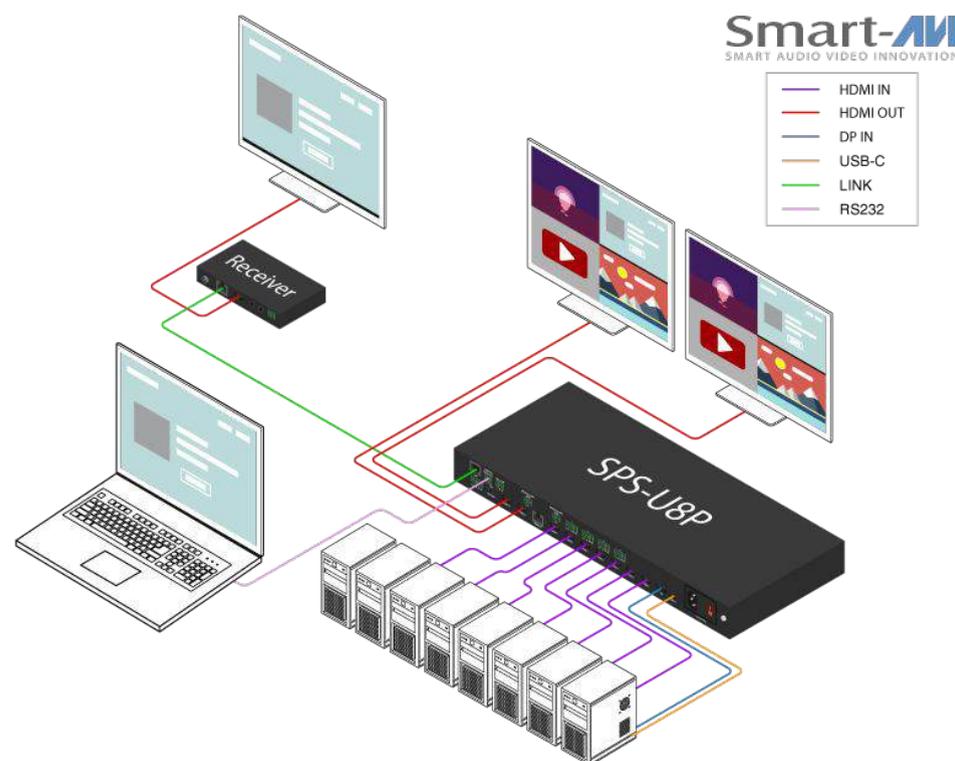
Quad Mode

In Quad 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.

Tri-View

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.

SPECIFICATIONS

Video

Input ports	7x HDMI 2.0, 1x DisplayPort, 1x USB-C (Video Only)
Output ports	2x HDMI, 1 CAT5, 1x 5-way captive female screw connector, 1x Mini Toslink connector
Format	HDMI
Maximum Pixel Clock	594 MHz
Resolution & Refresh Rate	Up to 4096x2160p @ 60Hz
Color Mode	24-bit
DDC	24 volts
Color Capability	24-bit True Color (8-bits per channel)
Chroma Sampling	4:4:4 (full color), 4:2:2, or 4:2:0
Input Equalization	Automatic
Data Rate	1.65 Gbps per color
EDID Support	Full emulation & preloaded profiles
Band Width	594MHz (18Gbps), HDMI 2.0, HDCP2,2

Audio

Audio Format	LPCM, AC3, DD+,DTS, DTS-HD Up to 7.1 channel
Impedance	600 Ohm
Frequency Response	20 Hz to 20 kHz
Nominal Level	0-1.0 V
Common Mode	Rejection at 60 dB

Other

Power Supply	110-220VAC
Operating Temperature	0 to +40°C (+32 to +104 °F)
Operating Humidity	10 to 70 % RH (non-condensing)
ESD	Air: ± 8KV, Contact: ± 4KV
Dimensions	430" L x 220" W x 44" H mm
Mass (Main Unit)	5kg

Control

Front Panel	Buttons (SELECT audio/video source)
RS-232	Via serial @115200bps
OSD	On Screen Display

Package Content

Part No.	SM-SPS-U8P
SPS-U8P	8-Port seamless UHD Presentation Switcher with Multiviewer Control Includes [SPS-U8P & PS24VDC1A]