SWME 4K Seamless Modular Matrix Switchers
With Video Wall & Multiview

Seamless Switching

Modular Design

Signal Preview

Video Wall

Up/Down Scaling

4K@60

Multiview

Redundant PSUs

Overview

The SolarWall Matrix Elite version (SWME) Modular seamless series matrix switchers offer advanced access and real-time control of multiple local and remote A/V input devices and displays from a single chassis at 4K 60Hz 4:4:4 resolution.

The SWME switcher allows users to independently switch and route video and audio content directly to various monitors displays projectors and/or speakers simply by using front panel pushbuttons or remote control or controlling via TCP/IP or RS232. A built-in Scaler encodes the video format to provide seamless real-time switching. Furthermore, SWME can display up to 4 input video sources onto a single screen or a multi screens video wall.

The SWME matrix switchers are also able to offer extremely fast start-up performance and a working environment free of viruses and software conflicts, ensuring 24/7 hassle free operational ability.

Key Features

- Supports 4K@60fps (4:4:4) input and output
- Seamless switching
- Supports video wall feature
- Supports multiview feature
- Support signal preview*
- Redundant power supply
- Support up/down scaling
- Advanced Crossbar technology
- Supports audio
- Supports OSD on output windows
- Supports individual screen customised video setting
- No PC vulnerabilities
- Multi formats on input and output: DVI, HDMI, HDBaseT, SDI, VGA, Fiber
- Low power consumption
- HDBaseT with PoC
- HDCP compliant
- Supports customised EDID on inputs and outputs
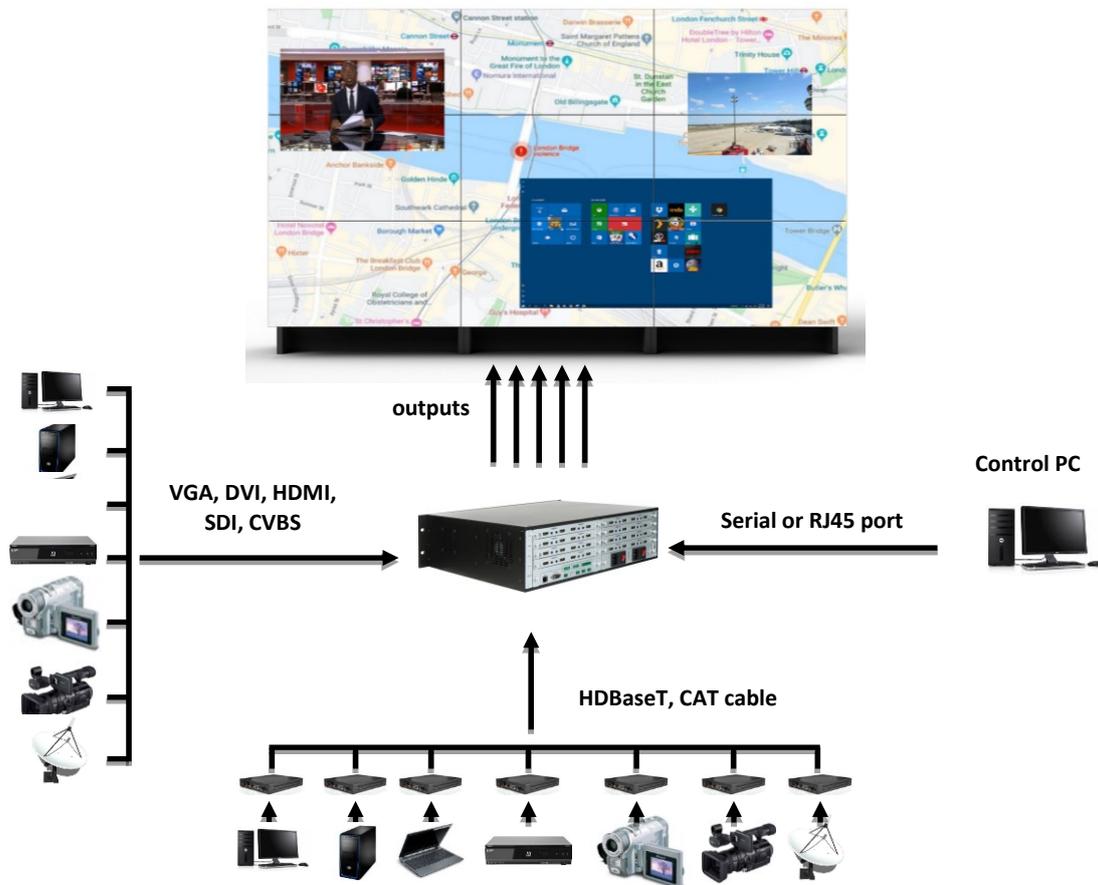- Supports customised pre-set layouts

*Does not support on 2U

Specifications

Controller Chassis	19" ANST/EIA RS-310C standard industrial chassis
Input Channel	Up to 80 inputs
Input Format	DVI/HDMI/VGA, SDI, SD, HDBaseT, Fiber
Output Channel	Up to 80 outputs
Output Format	DVI/HDMI/VGA, SDI, SD, HDBaseT, Fiber
HDCP support	Yes
Power supply	RPSU
Input Voltage	AC 110V to 240V, 50/60Hz
Operation system	Windows 10/11
Warranty	2 years
Operating temperature range	0~40 degrees centigrade
Operating humidity range	10%-90%
Storage temperature range	0~60 degrees centigrade
Storage humidity range	10%~90%
Control Interface	RS232 or 10/100/1000M Ethernet Port

Models and Scales

Models	Chassis	Dimension (mm) (W*D*H)	Max Input	Max Output
SWME08	2U	482*380*88	8	8
SWME16	3U	482*380*134	16	16
SWME32	5U	482*380*223	32	32
SWMP80	11U	482*380*512	80	80

System Diagram