

SWMP 4K Seamless Modular Video Wall Matrix Switchers



Up/Down
Scaling

Video
Wall

Multi
Formats

Seamless
Switching

Modular
Design

Redundant
PSUs

Overview

The SWMP 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 SWMP 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.

The SWMP 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

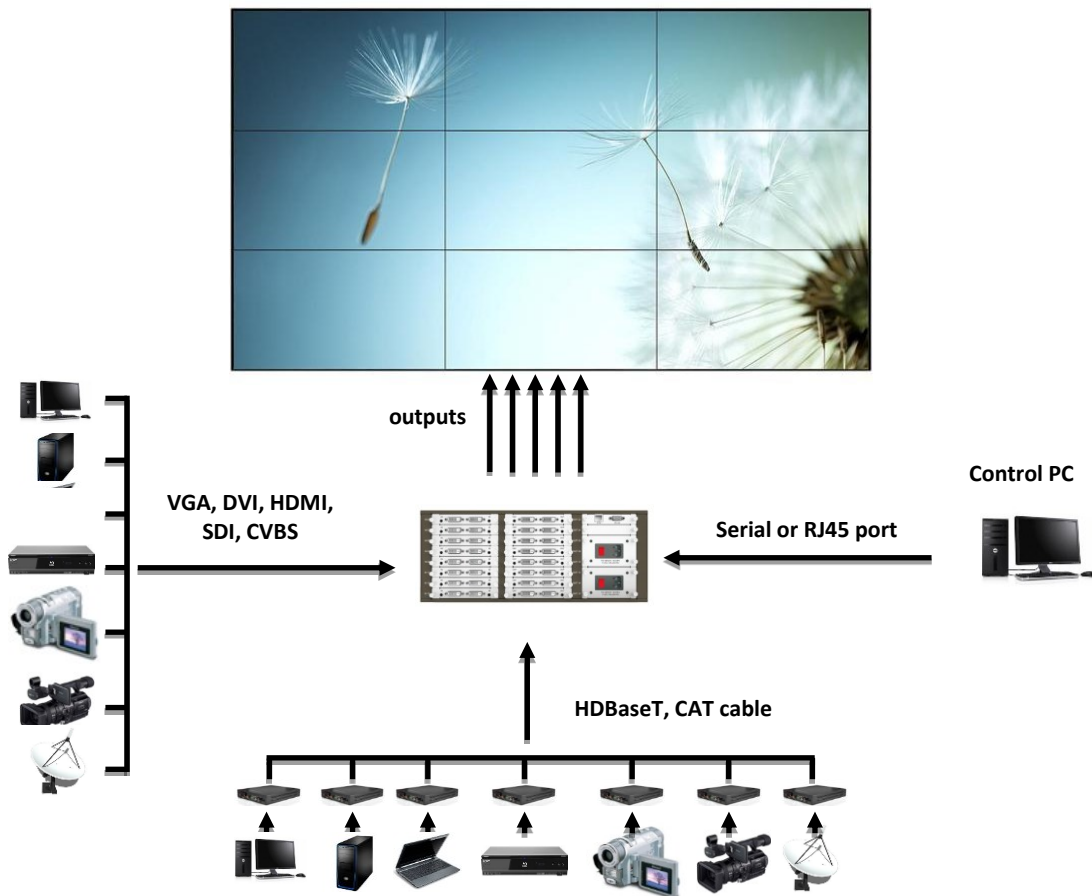
- Supports 4K@60fps (4:4:4) input and output
- Seamless switching
- Supports video wall feature
- Redundant power supply
- Support up/down scaling
- Advanced Crossbar technology
- Supports audio
- Modular design
- Supports individual screen customised video setting
- No PC vulnerabilities
- Multi formats 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

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 7/8/10
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
SWMP08	2U	482*380*88	8	8
SWMP16	4U	482*380*175	16	16
SWMP36	8U	482*380*353	36	36
SWMP80	16U	482*380*708	80	80



System Diagram

1. SWMP-IN-DVI2 DVI Input Card

Input Signals	2 x DVI, 2 x audio Jack
Interface	Female DB24+5, 3.5mm audio jack
Resolution	Up to 1920 x 1080@60
Video Signal	DVI, HDMI, VGA, C-VIDEO, YPbPr
Audio Signal	PCM
Max Colour Depth	8bit
EDID	Support customization
HDCP	HDCP 1.4

1. SWMP-IN-HDMI2 HDMI HD Input Card

Input Signals	2 x HDMI, 2 x audio Jack
Interface	Female type A, 3.5mm audio jack
HDMI Standard	HDMI 1.3
Resolution	Up to 1920 x 1080@60
Video Signal	HDMI, DVI
Audio Signal	PCM
Max Colour Depth	8bit
EDID	Support customization
HDCP	HDCP 1.4

2. SWMP-IN-SDI2 SDI HD Input Card

Input Signals	2 x SDI
Interface	BNC
SDI Standard	SDI , HD -SDI , 3G -SDI
Resolution	Up to 1920 x 1080@60
Video Transmit Distance	1080P<=100m
Audio Signal	PCM
Max Colour Depth	8bit
EDID	Support customization

3. SWMP-IN-60UHM2
4K HDMI Input Card

Input Signals	2 x HDMI, 2 x audio Jack
Interface	Female type A, 3.5mm audio jack
HDMI Standard	HDMI 2.0
Resolution	Up to 3840 x 2160@60
Video Signal	HDMI, DVI
Audio Signal	PCM
Max Colour Depth	8bit
EDID	Support customization
HDCP	HDCP 2.2

4. SWMP-IN-70B2
70m HDBaseT Input Card

Input Signals	2 x HDBaseT, 2 x audio Jack
Interface	RJ45, 3.5mm audio jack
Resolution	Up to 3840 x 2160@60
Video Transmit Distance	Up to 70m on 1080P and 40m on 4K
Audio Signal	PCM
Max Colour Depth	8bit
EDID	Support customization
HDCP	HDCP 2.2

5. SWMP-IN-100B2
70m HDBaseT Input Card

Input Signals	2 x HDBaseT, 2 x audio Jack
Interface	RJ45, 3.5mm audio jack
HDMI Standard	HDMI 2.0
Resolution	Up to 3840 x 2160@60
Video Transmit Distance	Up to 100m on 1080P and 70m on 4K
Audio Signal	PCM
Max Colour Depth	8bit
EDID	Support customization
HDCP	HDCP 2.2

1. SWMP-OT-DVI2

DVI Output Card

Input Signals	2 x DVI, 2 x audio Jack
Interface	Female DB24+5, 3.5mm audio jack
Resolution	Up to 1920 x 1080@60
Video Signal	DVI, HDMI, VGA, C-VIDEO, YPbPr
Audio Signal	PCM
Max Colour Depth	8bit
HDCP	HDCP 1.4

2. SWMP-OT-HDMI2

HDMI HD Output Card

Input Signals	2 x HDMI, 2 x audio Jack
Interface	Female type A, 3.5mm audio jack
HDMI Standard	HDMI 1.3
Resolution	Up to 1920 x 1080@60
Video Signal	HDMI, DVI
Audio Signal	PCM
Max Colour Depth	8bit
HDCP	HDCP 1.4

3. SWMP-OT-SDI2

SDI HD Output Card

Input Signals	2 x SDI
Interface	BNC
SDI Standard	SDI, HD-SDI, 3G-SDI
Resolution	Up to 1920 x 1080@60
Video Transmit Distance	1080P<=100m
Audio Signal	PCM
Max Colour Depth	8bit

4. SWMP-OT-60UHM2
4K HDMI Output Card

Input Signals	2 x HDMI, 2 x audio Jack
Interface	Female type A, 3.5mm audio jack
HDMI Standard	HDMI 2.0
Resolution	Up to 3840 x 2160@60
Video Signal	HDMI, DVI
Audio Signal	PCM
Max Colour Depth	8bit
HDCP	HDCP 2.2

5. SWMP-OT-70B2
70m HDBaseT Output Card

Input Signals	2 x HDBaseT, 2 x audio Jack
Interface	RJ45, 3.5mm audio jack
Resolution	Up to 3840 x 2160@60
Video Transmit Distance	Up to 70m on 1080P and 40m on 4K
Audio Signal	PCM
Max Colour Depth	8bit
HDCP	HDCP 2.2

6. SWMP-OT-100B2
70m HDBaseT Output Card

Input Signals	2 x HDBaseT, 2 x audio Jack
Interface	RJ45, 3.5mm audio jack
HDMI Standard	HDMI 2.0
Resolution	Up to 3840 x 2160@60
Video Transmit Distance	Up to 100m on 1080P and 70m on 4K
Audio Signal	PCM
Max Colour Depth	8bit
HDCP	HDCP 2.2