SolarWall *Max*

All in One Controller

Video Wall, KVM Matrix, Matrix Switch

Overview

The SolarWall Max series controllers are the ultimate all in one solution available from SEADA technology. They provide excellent performance and flexibility for not only video wall applications but also KVM matrix and matrix switch, supporting with features of EDID management, input preview, on screen scrolling text and so on.

The KVM matrix feature on SolarWall Max enables users to set up multi KVM stations with multi screens to control multi PC sources in remote distances. Users can move the mouse/keyboard freely between KVM monitors, thanks to the move & switch function on SolarWall Max. It combines the functionalities of KVM switch and extenders to remote access and manage the PCs up to 40km far. Moreover, it has the ability to control and manage the users access right.

SolarWall Max controllers 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.
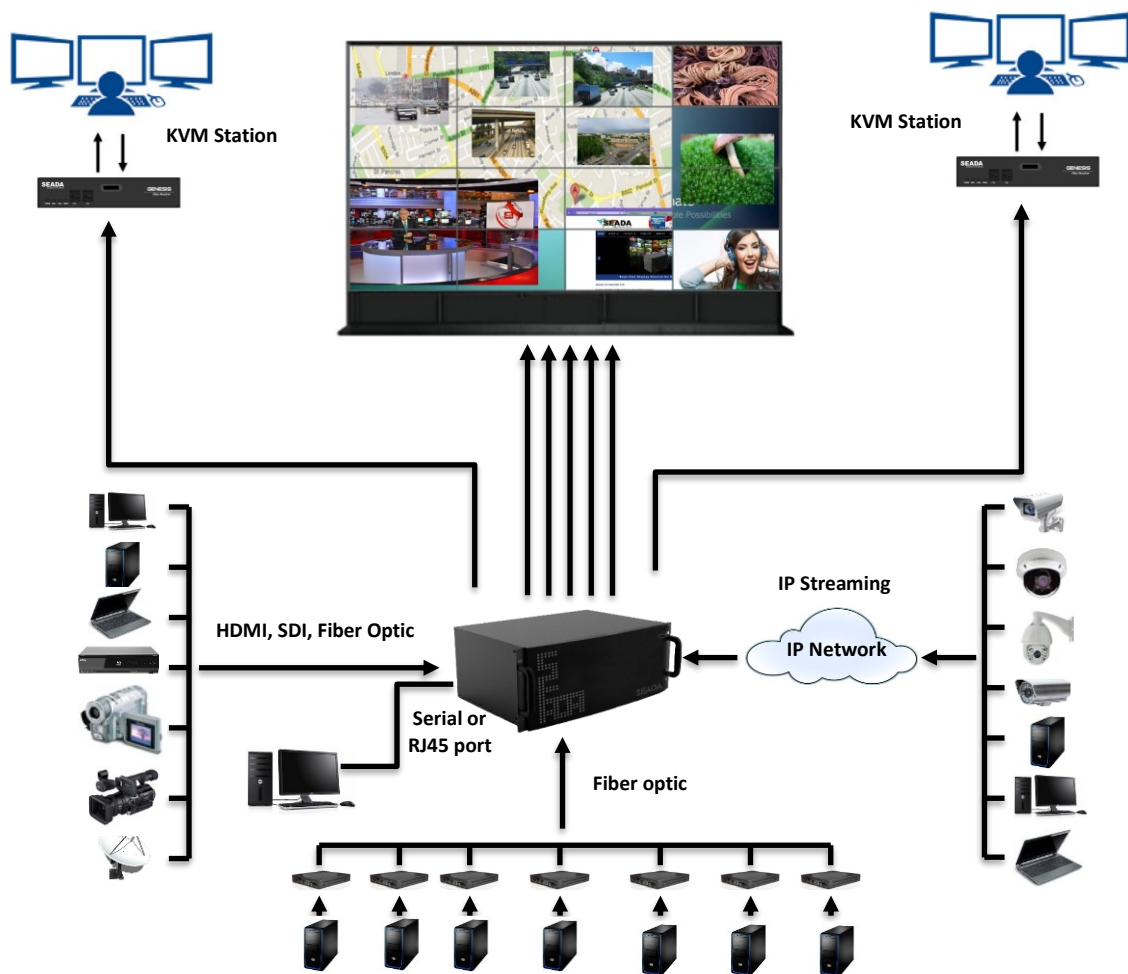
Key Features

- Supports Video Wall
- Supports KVM Matrix
- Supports Matrix Switch
- Supports Audio Matrix
- Supports data transfer on KVM
- Supports input signal preview
- Supports scrolling text
- Supports 4K@60fps input and output
- Supports digital and analog audio
- Supports OSD on output windows
- Supports 4K IP streaming decoding
- Multi clients support
- User access control
- Robust FPGA video data process technology
- No PC vulnerabilities
- Multi output option: HDMI, SDI, Optical Fibre
- Low power consumption
- Multi video walls support in one system
- Multi input option: HDMI, SDI, IP, Optical Fibre
- HDCP compliant
- Supports customised EDID on inputs and outputs
- Supports pre-set layouts
- Supports layouts looping

Specifications

Controller Chassis	19" ANST/EIA RS-310C standard industrial chassis
Input Channel	Up to 320 4K inputs
Input Format	HDMI/SDI/IP/Fibre Optical
Output Channel	Up to 320 4K as matrix and 160 4K outputs as video wall controller
Output Format	HDMI/SDI/Fibre Optical
HDCP support	Yes
Power supply	Single or RPSU
Input Voltage	AC 110V to 240V, 50/60Hz
Operation system	Windows 7/8/10/11
Warranty	2 years
Operating temperature range	0~40 degrees centigrade
Operating humidity range	10%-90%
Storage temperature range	-10~60 degrees centigrade
Storage humidity range	10%~90%
Control Interface	RS232 or 10/100/1000M Ethernet Port

Models and Scales

Models	Chassis	Dimension	Max Input (4K)		Max Output (4K)	
		(mm) (W*D*H)	Video Wall	Matrix Switch	Video Wall	Matrix Switch
SWMax02	2U	482*405*89	16	16	08	16
SWMax04	4U	482*405*175	32	32	16	32
SWMax08	8U	482*455*353	80	80	40	80
SWMax12	12U	482*455*532	160	160	80	160
SWMax24	24U	482*455*1067	320	320	120	320

System Diagram