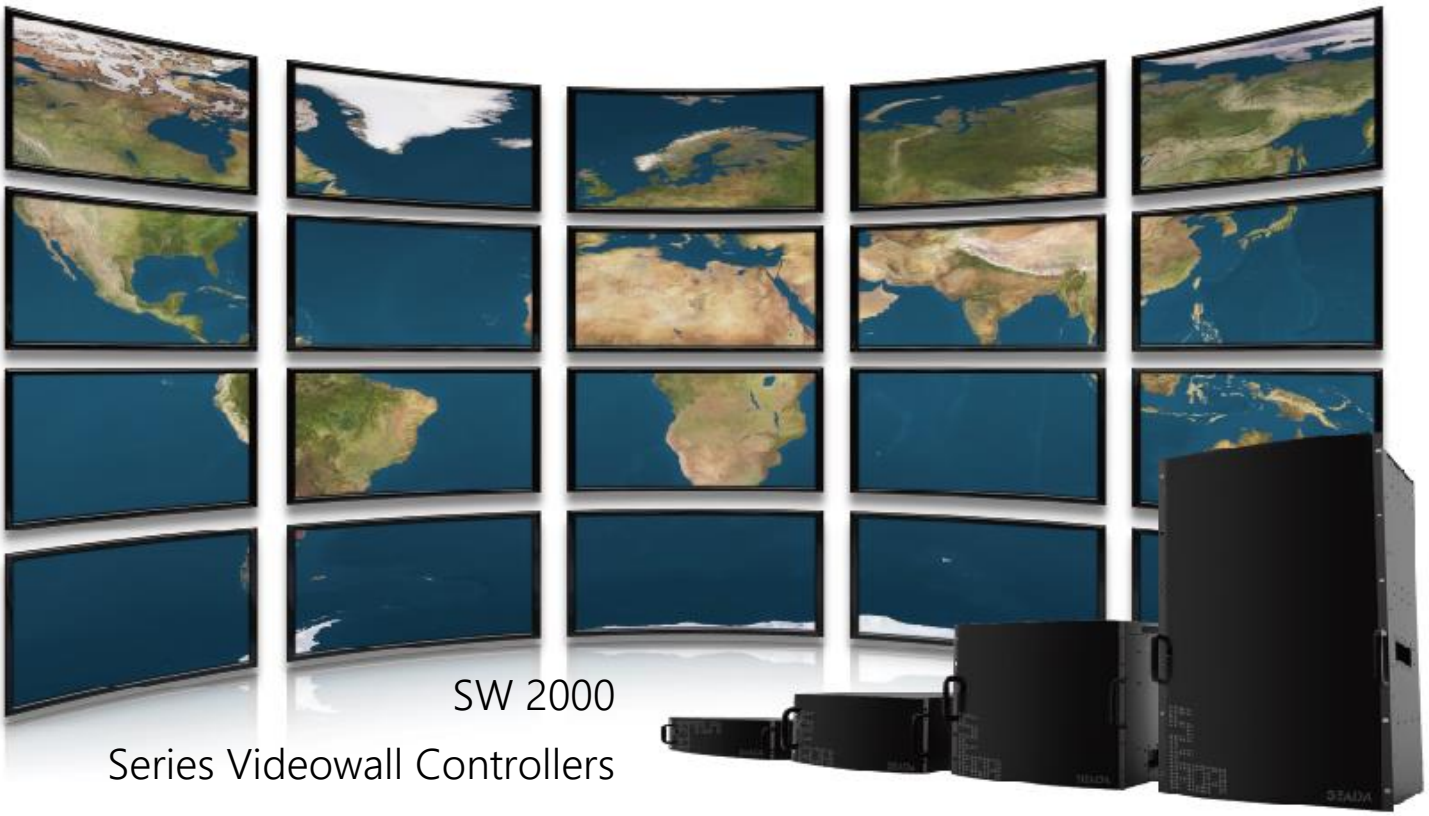


SW 2000

Series Videowall Controllers

Overview

The SW 2000 series video wall controllers are the latest processors from SEADA technology, based on pure hardware architecture. They provide excellent performance and flexibility for video wall applications, ranging from digital signage to command and control, security, education, research and others.

The SW 2000 series controllers apply high-speed FPGA and Crossbar technology to ensure the real-time processing of all input signals and consistency of the data. The resulting low latency and zero frame loss guarantees excellent video display performance.

With the latest firmware from SEADA, the SW 2000 controllers are able to offer extremely fast start-up performance. In addition, the systems benefit from a working environment free of viruses and software conflicts, ensuring 24/7 hassle free operational ability.

Features

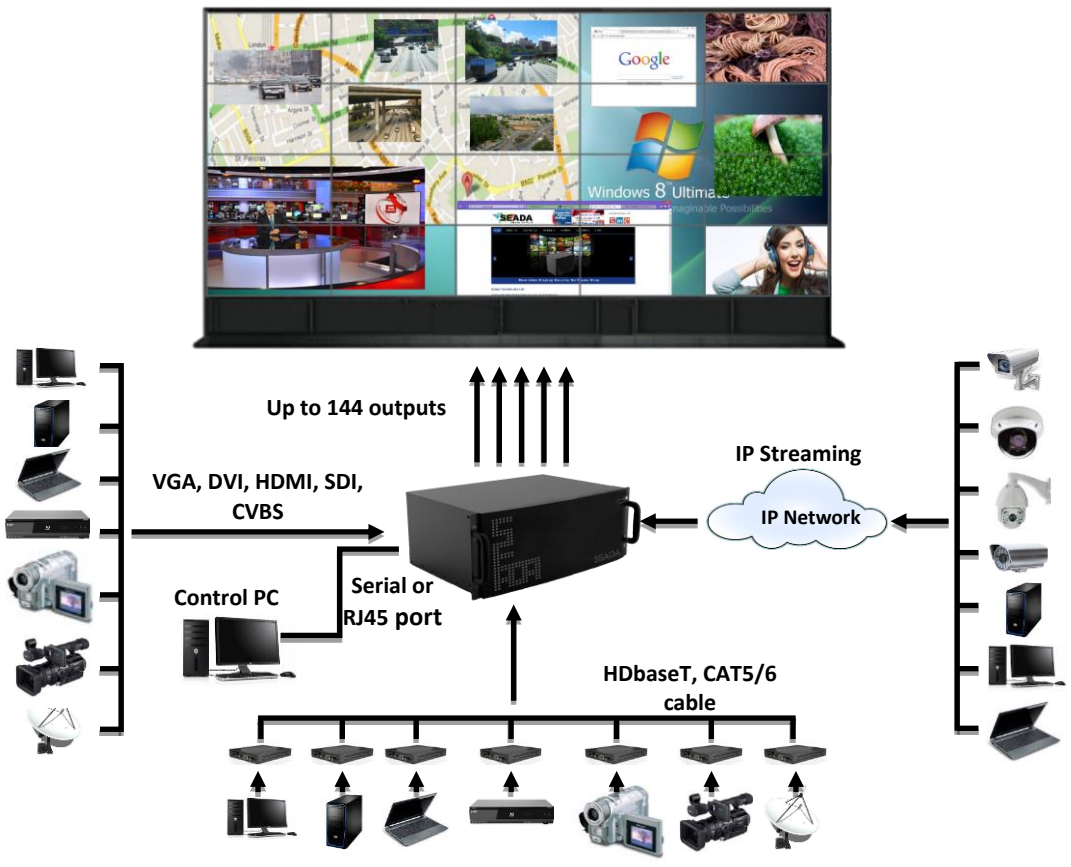
- Advanced Crossbar technology
- Two-window overlay ability
- Robust FPGA video data process technology
- No PC vulnerabilities
- 1 to 144 display outputs
- Multi output option: DVI-I (Digital & Analog), SDI, HDBaseT, Optical Fibre
- 1-128 HD DVI/HDMI/RGB inputs capture
- 1-512 composite video inputs capture
- Multi input option: DVI-D, HDMI, VGA, YPbPr, CVBS, SDI, HDBaseT, Optical Fibre
- IP streaming decode support
- Multi video walls support in one system
- Low power consumption
- Fast start up within 5 seconds
- HDCP support for DVI/HDMI
- Support 4K input capture

Specifications

Controller Chassis	19” ANST/EIA RS-310C standard industrial chassis
Input Channel	1 to 128 HD or 1 to 512 SD
Input Format	DVI/HDMI/VGA, SDI, CVBS, DL_DVI, HDbaseT, Fiber Optical, IP streaming
Output Channel	1 to 144 display channels
Output Format	DVI/HDMI/VGA, SDI, HDbaseT, Fiber Optical
HDCP support	Yes
Power supply	Single or RPSU
Input Voltage	AC 110V to 240V, 50/60Hz
Operation system	Windows2000/XP/Vista/7/8
Warranty	2 years
Operating temperature range	0~40 degrees centigrade
Operating humidity range	10%-90% non-condensing
Storage temperature range	-20~60 degrees centigrade
Storage humidity range	10%~90% non-condensing
Control Interface	RS232 or 10/100/1000M Ethernet Port

Models and Scales

Models	Chassis	Dimension (mm) (W*D*H)	Input		Output
			HD	CVBS	
SW2008	2U	482*380*88	8	32	8
SW2016	4U	482*380*175	16	64	16
SW2036	8U	482*380*353	32	128	36
SW2072A	14U	482*380*620	64	256	72
SW2072B	20U	482*380*886	128	512	72
SW2144	28U	482*380*1242	128	512	144



System Diagram

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