

SW 4000 Series Videowall Controllers



Overview

The SW 4000 family of video wall controllers are SEADA's latest, high bandwidth processors. Employing cutting edge Crossbar and high speed FPGA technology, the SW 4000 controllers are capable of 72 outputs and up to 128 HD or 512 SD inputs, using a single chassis.

The layout of the windows can be configured separately by the universal SW video wall management software, which offers flexibility within an intuitive interface.

The SW 4000 systems are pure hardware based controllers, offering extremely fast start-up times. In addition, the systems benefit from a working environment free of viruses and software conflicts, ensuring 24/7 hassle free operational ability.

Features

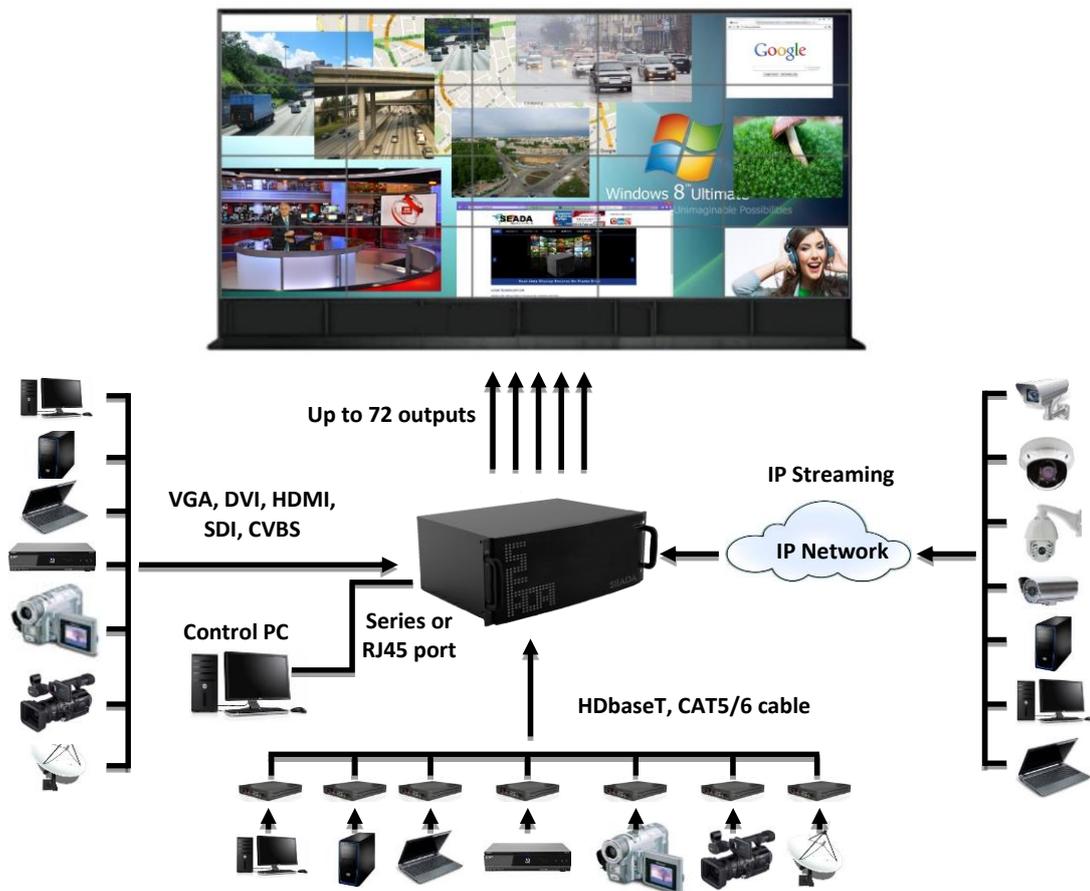
- Advanced Crossbar technology
- Robust FPGA video data process technology
- Four-window overlay mode
- No PC vulnerabilities
- 1 to 72 display outputs
- Multi output option: DVI-I (Digital & Analog), SDI, HDBaseT, Optical Fibre
- 1-128 HD DVI/HDMI/RGB inputs capture
- 1-512 composite video inputs capture
- Multi input option: DVI-D, HDMI, VGA, YPbPr, CVBS, SDI, HDBaseT, Optical Fibre
- IP streaming decode support
- Base exchange processing speed $\geq 6.25\text{G/s}$
- 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



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 72 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	
SW4008	4U	482*380*175	24	96	8
SW4018	8U	482*380*353	52	208	18
SW4036	14U	482*380*620	96	384	36
SW4072	22U	482*380*975	128	512	72



System Diagram