

## SW 2000 Serial Videowall Controllers

### Overview

The SW 2000 serial 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 serial 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

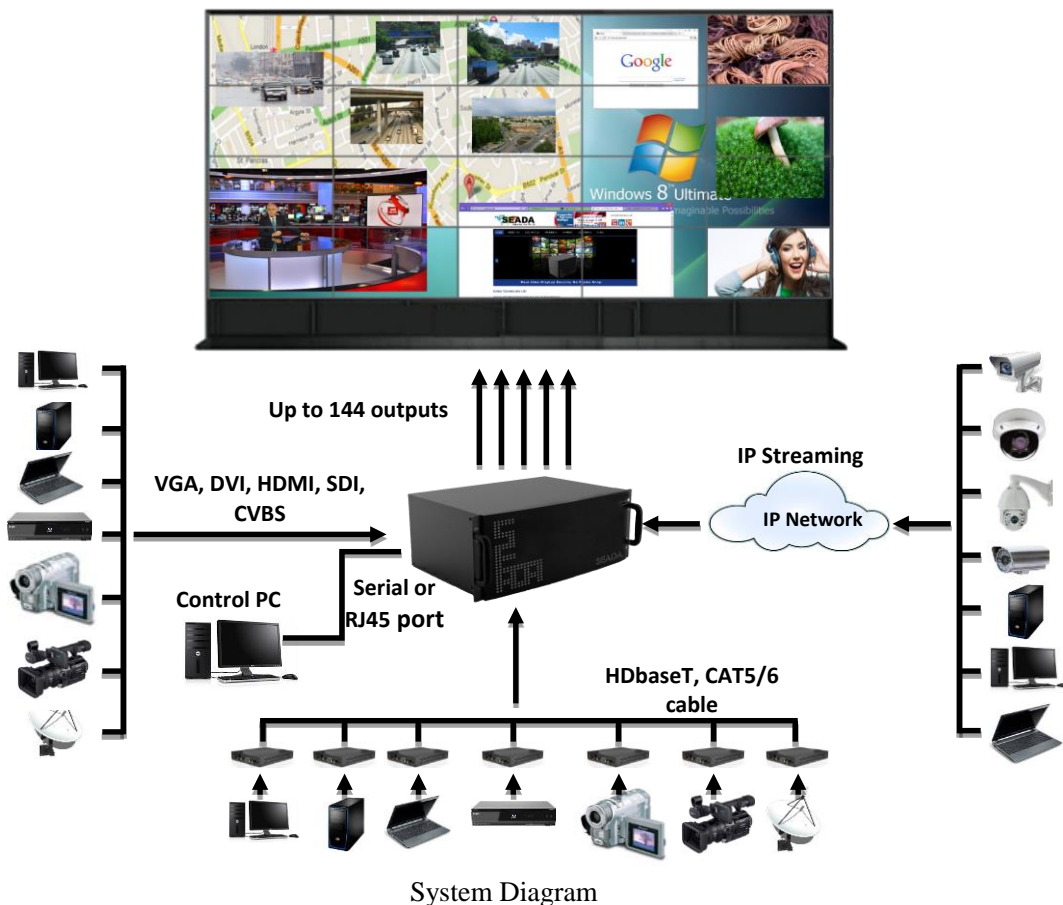


## Specifications

|                             |   |
|-----------------------------|---|
| 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