



SolarWall *Pro* Video Wall Controllers

Overview

The SolarWall Pro series video wall controllers are the most advanced solution available from SEADA technology. Based on cutting edge PCI express technology, they provide excellent performance and flexibility for video wall applications, supporting video walls with features of KVM, input preview, on screen scrolling text and so on.

SolarWall Pro series controllers apply PCI express technology to provide high bandwidth for real-time processing of all input signals and better system performance.

SolarWall Pro 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.

Features

- Advanced PCI Express technology
- Advanced Crossbar technology
- Supports 4K@60fps input and output
- Supports digital and analog audio
- Supports KVM
- Supports scrolling text
- Supports input signal preview
- Supports local video wall mapping
- Supports system live monitoring
- 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: DVI-I (Digital & Analog), HDMI, HDBaseT, Optical Fibre
- Low power consumption
- Multi video walls support in one system
- Multi input option: DVI-D, HDMI, VGA, SD, SDI, HDBaseT, Optical Fibre
- HDCP compliant
- Supports customised EDID on inputs and outputs
- Supports over 1000 pre-set layouts
- Layouts looping ability

PCI 
EXPRESS[®]



SWPro	TECHNICAL DATA SHEET
Controller Chassis	19" ANST/EIA RS-310C standard industrial chassis
Input Format	Up to 320 inputs
Output Channel	DVI/HDMI/VGA, SDI, SD, IP, HDBaseT, DisplayPort, Fibre Optical
Output Format	DVI/HDMI/VGA, HDBaseT, Fibre Optical
HDCP support	Yes
Supported resolutions	up to 4K@60Hz - depending on the card mounted
Color depth	32 bit
Latency	<0,30 ms - 2 frame
EDID management	Yes
Frame lock	blocked on all output - ideal for LEDWALL applications
Power Supply	Single or RPSU
Redundant power supply	depending on the model (from 10U and up yes)
Operating time	24h/7gg/365gg
Hot card replacement	Yes
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 (HD)	MAX OUTPUT (HD)
SWP02	2U	482*380*88	16*	8*
SWP04	4U	482*380*175	32*	20*
SWP10	10U	482*380*440	76*	40*
SWP16	16U	482*380*708	156*	40*
SWP28	28U	482*380*1240	160	160
SWP30D	30UD	940*450*1350	320	320