



This quick start guide provides basic instructions for setting up SEADA SolarWall Pro video wall controllers. For additional information about how to use the controllers, please see the User Manual, which is available on the CD included in this package.

Setup Steps

1. Verify the Package Contents
2. Hardware Overview
3. Hardware Installation
4. Software Installation & IP Setup on Control PC
5. Configuration of Video Wall Management Software
6. SWPro Management Software Brief Introduction

1. Verify the Package Contents

Please verify the package contents against the Packing List (Document No. SD-OP-005)

If any of the items in packing list is missing, please contact your reseller.

Document No. SD-MA-020
Document Version: 01

SolarWall Pro Controller Quick Start Guide

2. Hardware Overview

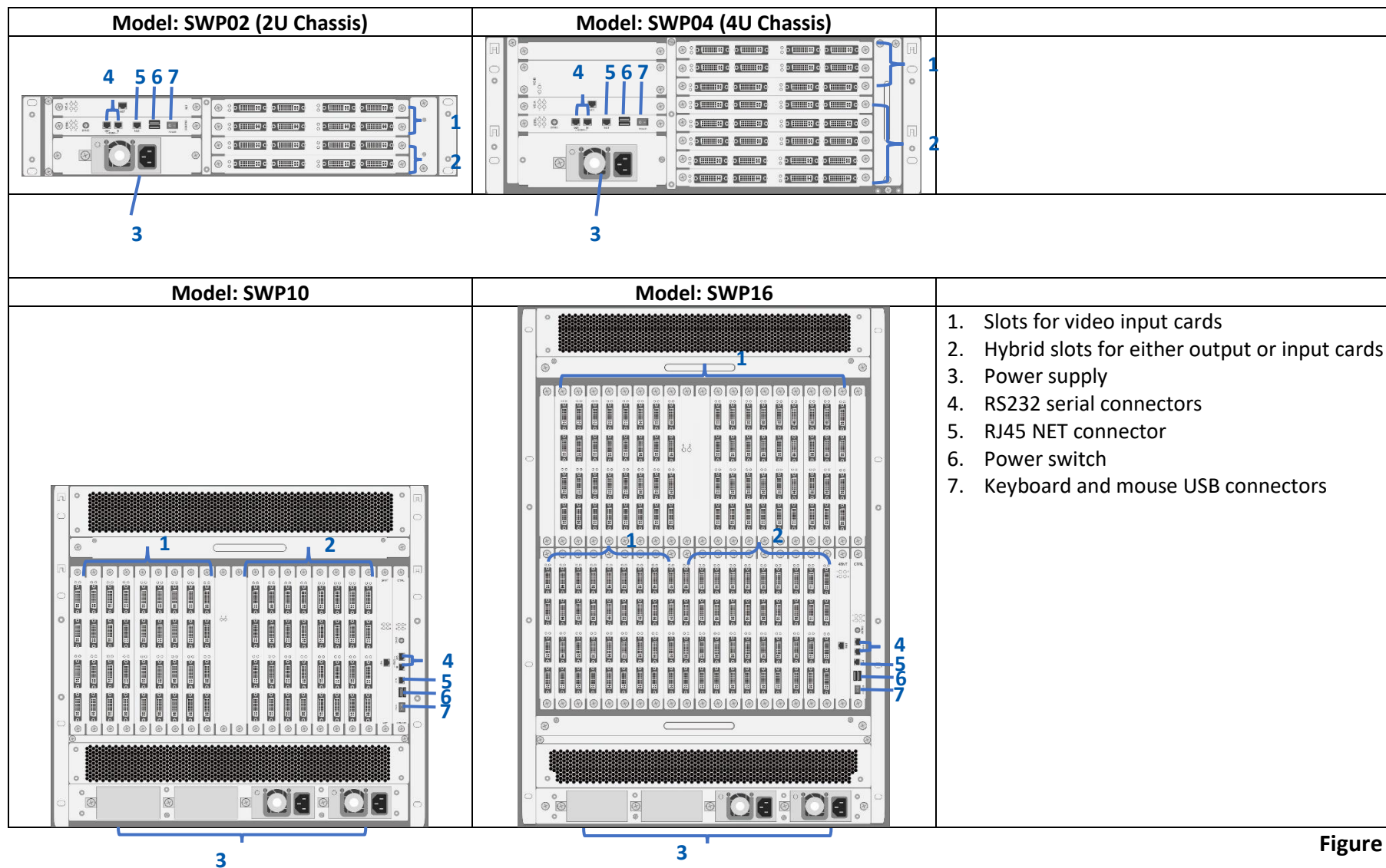


Figure 1

3. Hardware installation

3.1. Note

A computer running Microsoft Windows2000/XP/Vista/7/8/10 (not supplied) is required as a control PC for the SEADA controller.

3.2. Basic Connection

Connect the supplied power cable from the controller (Figure 1-3) to a power outlet.

Connect the SEADA video wall controller (Figure 1-5) to the control PC via Ethernet cable.

3.3. Connect Outputs to Displays

Connect the controller outputs to the video wall displays using the appropriate cables or adapters (not supplied).

Please see Figure 2 below for the channel mapping between the video wall controller output ports and the video wall displays.

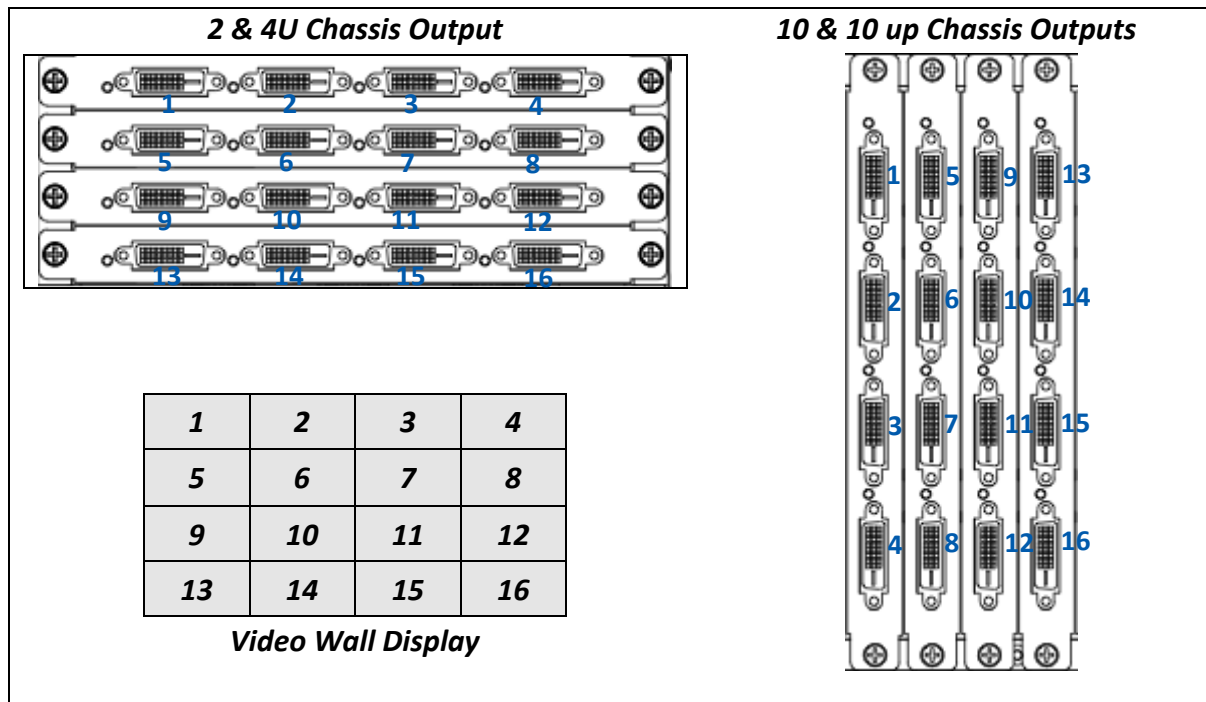


Figure 2

3.4. Connect Input Sources to the Controller

Connect the Input sources to the SEADA video capture cards using the appropriate cables and adapters (not supplied).

SEADA Technology offers a comprehensive range of capture cards for use in our video wall controllers. Below is the list of all video capture cards and the connectors they use.



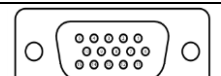


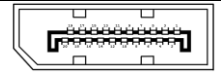

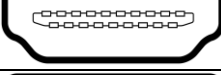




Capture Card	Description	Signal Format	Connector Type	Illustration
SWPro-IN-DVI4	4 channel DVI capture card	DVI/HDMI	DVI-I (Dual Link)	
SWPro-IN-HDMI4	4 channel HDMI capture card	HDMI/DVI	HDMI A	
SWPro-IN-VGA4	4 channel VGA capture card	RGB/YPbPr	D-Sub	
SWPro-IN-DL2	2 channel Dual Link DVI capture card	DL-DVI, DVI/HDMI	DVI-I (Dual Link)	
SWPro-IN-SDI4	4 channel SDI capture card	3G/HD/SD-SDI	BNC	
SWPro-IN-DP2	2 channel DisplayPort capture card	DisplayPort 1.1	DisplayPort	
SWPro-IN-DP60	1 channel DisplayPort capture card	DisplayPort 1.2	DisplayPort	
SWPro-IN-UHM2	2 channel 4k@30 HDMI capture card	HDMI 1.4	HDMI A	
SWPro-IN-UHM60	1 channel 4k@60 HDMI capture card	HDMI 2.0	HDMI A	
SWPro-IN-HBT4	1 channel DisplayPort capture card	HDbaseT	RJ45	
SWPro-IN-IP16	16 channel 1080p IP decoding card	IP Streams	RJ45	
SWpro-IN-OF4	4 channel Optical Fiber capture card	Optical signal	LC	

Figure 3

4. Software Installation & IP Setup on Control PC

- ❖ Insert the SEADA Software CD into your control PC's CD-ROM drive to begin the installation. Double click the SolarWall Pro management software icon in software folder to start the installation. The SWPro software supports Microsoft Windows2000/XP/Vista/7/8/10

- ❖ Set up the static IP address on control PC

The default IP address of SWPro is 192.168.1.65. The control PC needs to be at the same range of controller in order to connect to the SWPro controller.

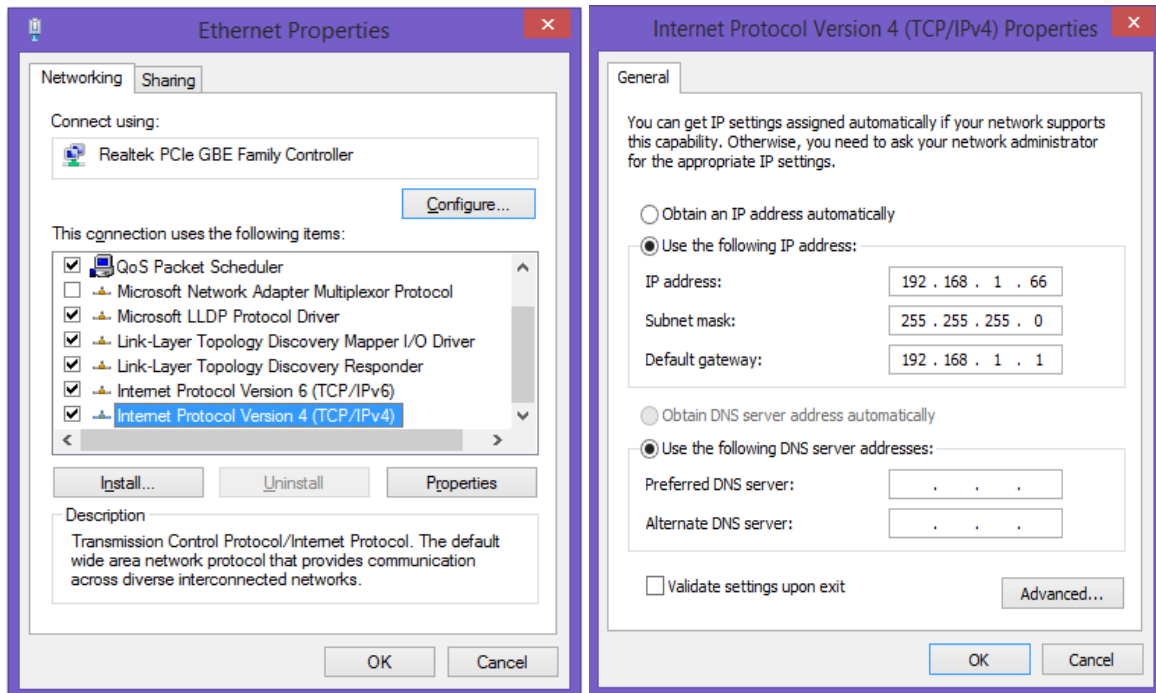


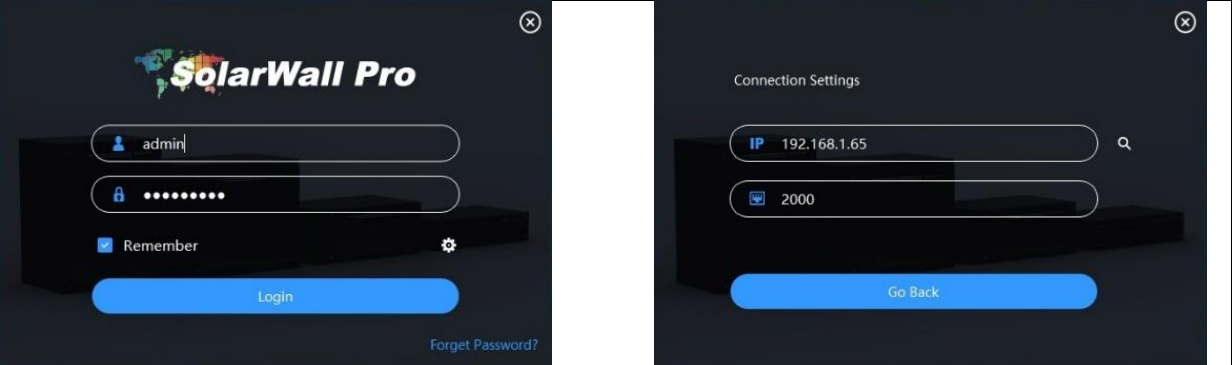
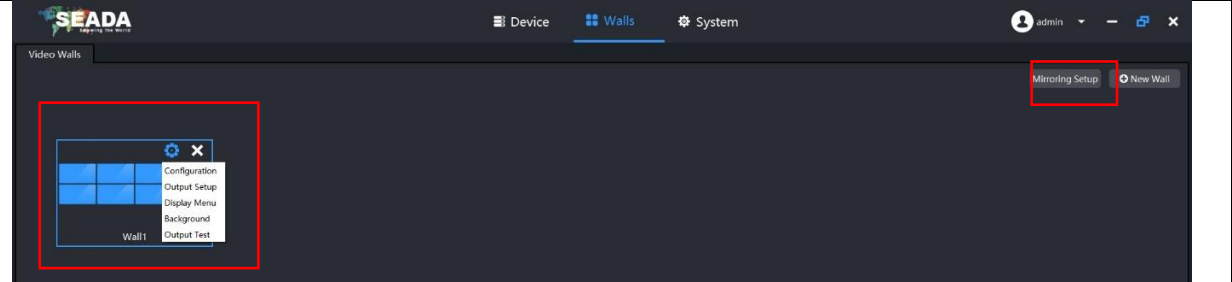
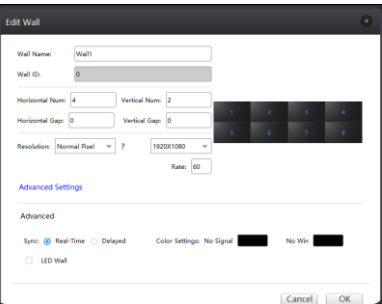
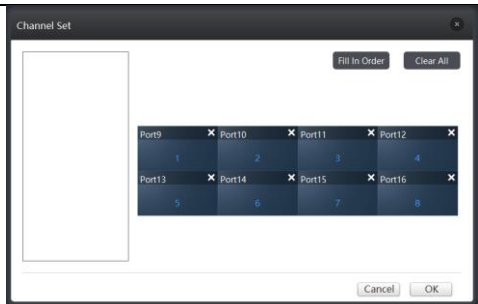



Figure 4

- Open the 'Ethernet Properties' windows on the Control PC
- Highlight the TCP/IPv4 in Networking and click the Properties button to open the TCP/IPv4 Properties window
- Change the 'Obtain an IP address automatically' to 'Use the following IP address to set up a static IP address'
 - IP address: any address between **192.168.1.1** and **192.168.1.255** except the address which has been taken by the Video Wall Controller
 - Subnet mask: **255.255.255.0**
 - Default Gateway: **192.168.1.1.**

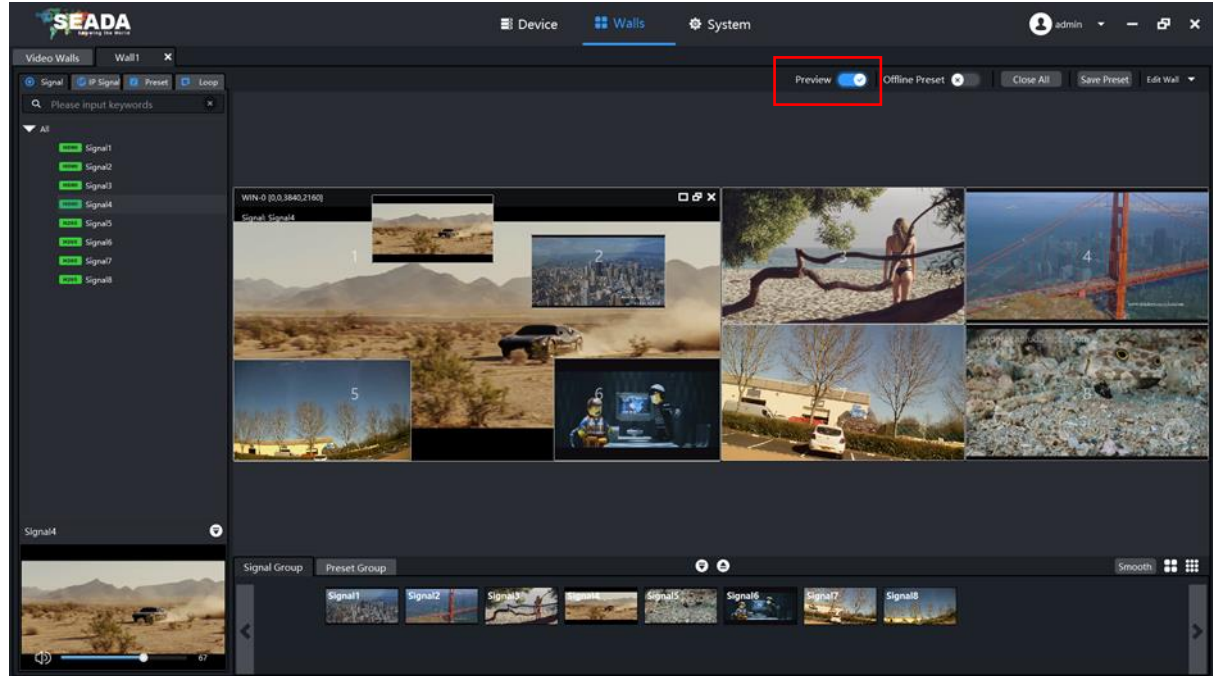
5. Configuration of Video Wall Management Software

Step1	<p>Switch on the SW Pro controller</p> <ul style="list-style-type: none"> • One long beep sound in a few seconds after the power on indicates the controller has finished its initialisation • 3 short beep sound indicates the controller is ready for operation
Step2	<p>Connect the control PC to the SW Pro controller using CAT cable between PC net port and controller net port (No.4 in Figure 1)</p>
Step3	<p>Double click the SWPro icon  on the desktop that was created during the installation. The user login dialog box will appear.</p> <ol style="list-style-type: none"> 1. User Admin ID is 'admin' with the password of '123456' 2. Press 'Setting' icon  to set up the IP settings at '192.168.1.65' with port:2000 3. Then press 'Go Back' button to go back 4. Press 'Login' button to connect 
Step4	<p>Once connected, the current configured layout will be shown in Video Walls Configuration Interface as below</p> <ul style="list-style-type: none"> ❖ Users can change the configuration of the controller in 'Configuration' at the drop-down menu of the video wall ❖ Users also can create new video wall by pressing 'New Wall' button ❖ SWPro supports MVWS (Multi Video Walls Support) technology, so users can control multi video walls on one SWPro controller 
<p>In Configuration, users can set up the layout, bezel correction, resolution, frame rate and even set up the controller for LED video walls.</p> <p>If users create a new wall, after finishing the setup of configuration, users need to map the output channels (see Figure 2) at Output Setup in drop-down menu.</p>	 

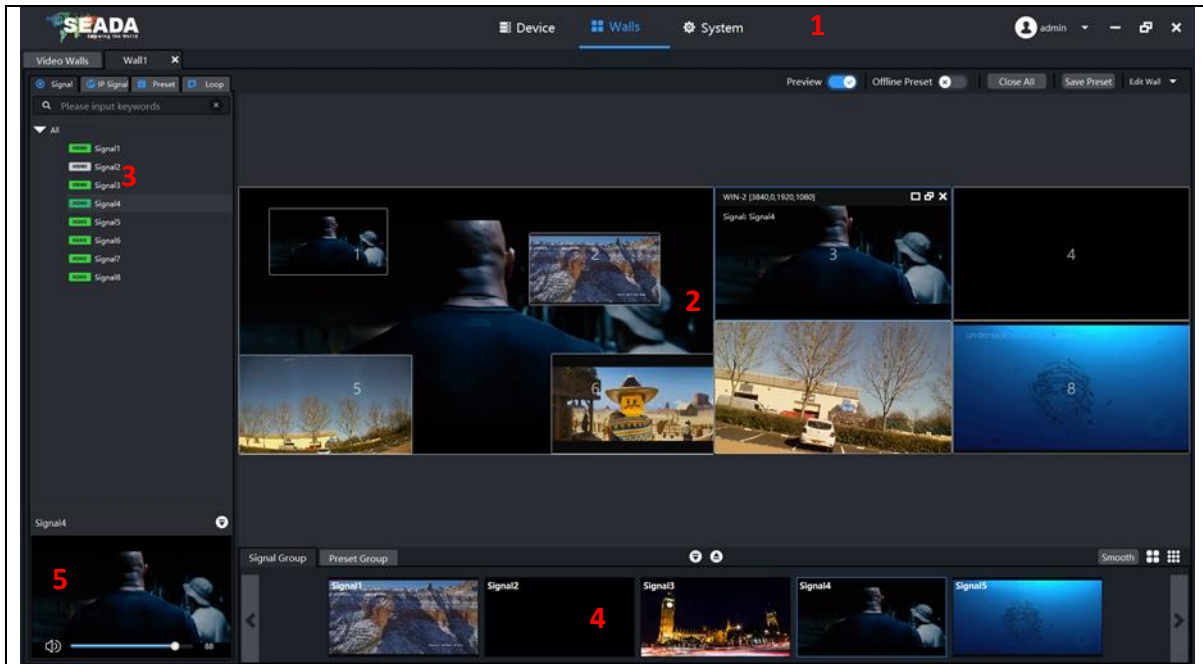
Step5

Double click on video wall icon  to open this very video wall management interface

1. Preview is built in on SWPro controllers
2. The default setting for Preview is off, users need to switch on the preview in order to preview all the inputs and video wall



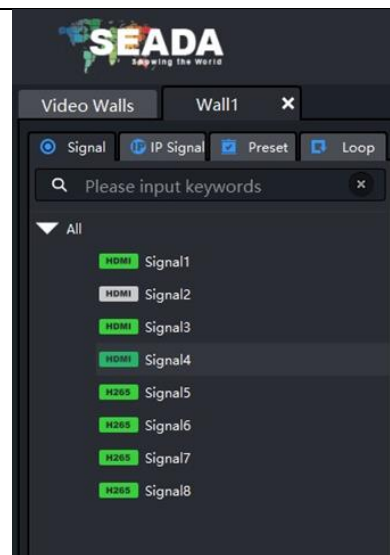
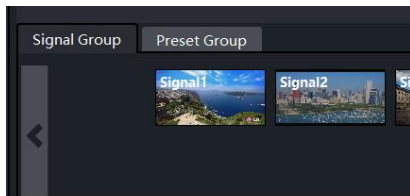
6. SWPro Management Software Brief Introduction



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| <ol style="list-style-type: none"> 1. Toolbar <ol style="list-style-type: none"> 1.1. Device 1.2. Walls 1.3. System 2. Video Wall Display area 3. Application Toolbar <ol style="list-style-type: none"> 3.1. Signal Management | <ol style="list-style-type: none"> 3.2. IP Streaming Setup 3.3. Preset Layout 3.4. Loop Setup 4. Input Signals and Preset Layout Preview Bar 5. Individual Input Preview and Audio Volume Control |
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Display Input sources on the Video Wall

1. Simply drag and drop the input source from the **'Signal'** at the **'Application Toolbar'** onto the Video Wall Display area.
2. Highlight the signal source needed to be displayed from the **'Signal'** at the **'Application Toolbar'** and draw a window on the video wall display area using mouse.
3. Simply drag and drop the input source from the **'Signal Group'** at the **Preview Bar** onto the Video Wall Display area.



For further understanding of using SolarWall Pro Controllers, setting up IP streaming and SWPro software, please refer to SWPro Management Software User Manual (Document number: SD-MA-021) and the datasheet.