



ACV2 Angustos Video Wall Controller User Manual

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ACV2 Angustos Video Wall Controller



Product Information

Specifications

- **Model:** ANGUSTOS ACV2/ACVM Video Wall Controller
- **Features:** Supports 4 layer video windows per display, arbitrary layering, overlap, moving, stretching, zooming in/out, roaming, Picture In Picture
- **Hardware:** ACV2-0812A Chassis
- **Software:** VWC_Vxxx.exe
- **User Interface:** Admin login with user name and password

Product Usage Instructions

- Refer to the system diagram for an overview of the hardware components and connections.
- Double-click the application program to open the control software interface. Use admin as both the username and password.
- Click on [Setting] -> [Connect] to establish a connection using the default baud rate of 115200 or through network connection control.
- Select the desired video wall configuration (e.g., 2U 2windows-1, Videowall Row 2 and Column 4) and click on [Create] followed by [Modify MCU].
- Set input source specifications and manage input sources by dragging signals from the list to the display area for switching.
- To open a video window, press and drag the left mouse button to create a rectangle window. Adjust the size and position by dragging the window accordingly.

FAQ

- **Q:** How to troubleshoot if the front LED lights do not light up on the chassis?
- **A:** Check the power connection and ensure that the touch screen is operational. If issues persist, refer to the troubleshooting section of the user manual or contact customer support.

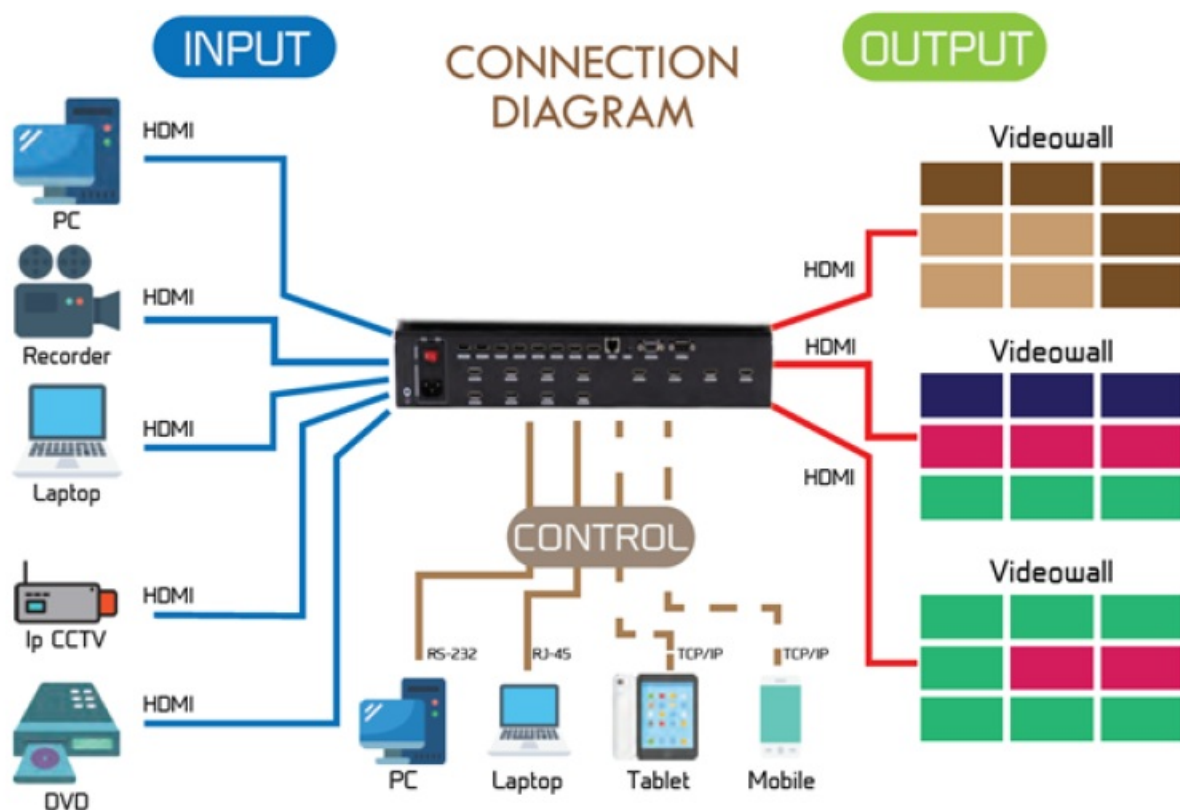
About ANGUSTOS

- Angustos was founded in 2000 and is now regarded as one of the foremost manufacturers of digital and analog KVM solutions.
- For more than 20 years our customers have been convinced by our core competencies in extending, switching, and distributing standardized computer signals.
- We are confirmed to establish international standards. We can provide customers with complete data center solutions as well as OEM/ODM services. Our products have been approved vendors for IBM, Guntermann & Drunck (G&D), and Raritan for more than 7 years, together with customers from Fortune 500 corporations.
- We can cover even medium to small businesses, factory and industrial operations, military and government installations, home offices, and personal use.

Overview

ANGUSTOS video wall controller is a high-performance video processing equipment based on hardware architecture. Which avoids common problems of crashes, blue screens, and viruses. It supports 4-layer video windows per display arbitrary layering, overlap, moving, stretching, zooming in/out, roaming, Picture In Picture.

System Diagram



Hardware



ACV2-0812A Chassis (Example)

- In the normal state (when power on the system or the touch screen is not touched for 12 or more seconds), the front LED lights will light up



1. AC Power module and Manual Switch
2. Input HDMI Ports
3. Output HDMI Ports
4. LAN TCP/IP – RJ45 Interface
5. RS-232 In / Out (COM PORT)

Execute the Software file VWC_Vxxx.exe to run the program.

Software

- Double-click the application program to open the control software interface. The username and password both are “admin”.



Login

Video Wall Control Software

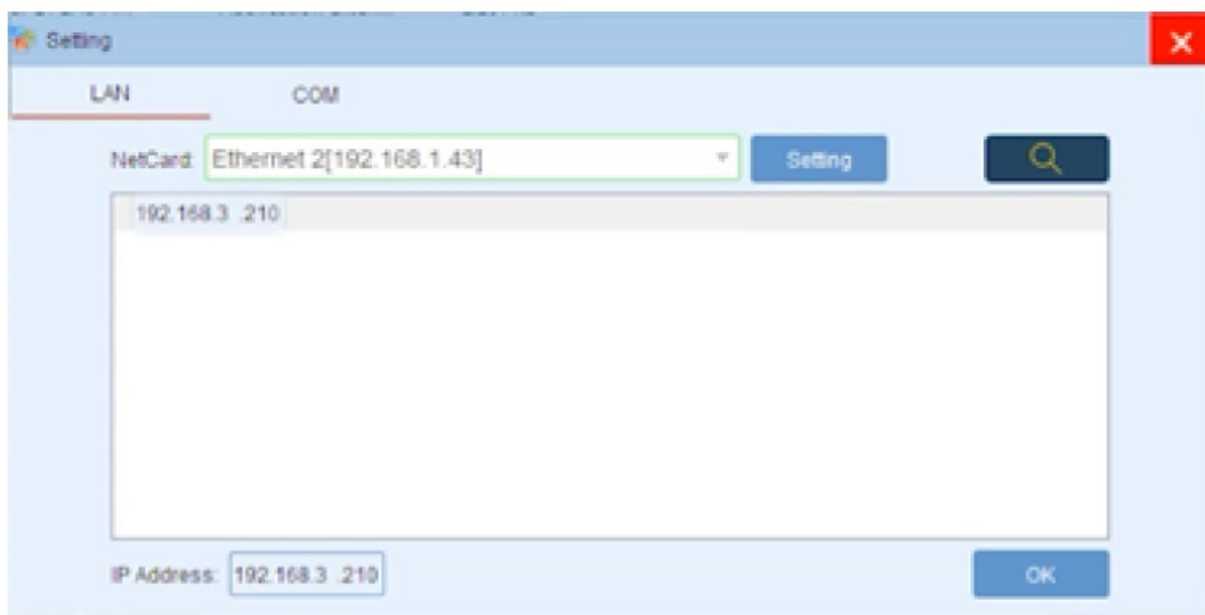
User Name:

Password:

Connection:

☒ Communication ☐ Demo

- Press Setting -> Choose the correct LAN card connected to the chassis => Click on the Search (Magnifier) icon
=> The software will find the controller IP automatically in the same subnet. Choose the IP and press OK

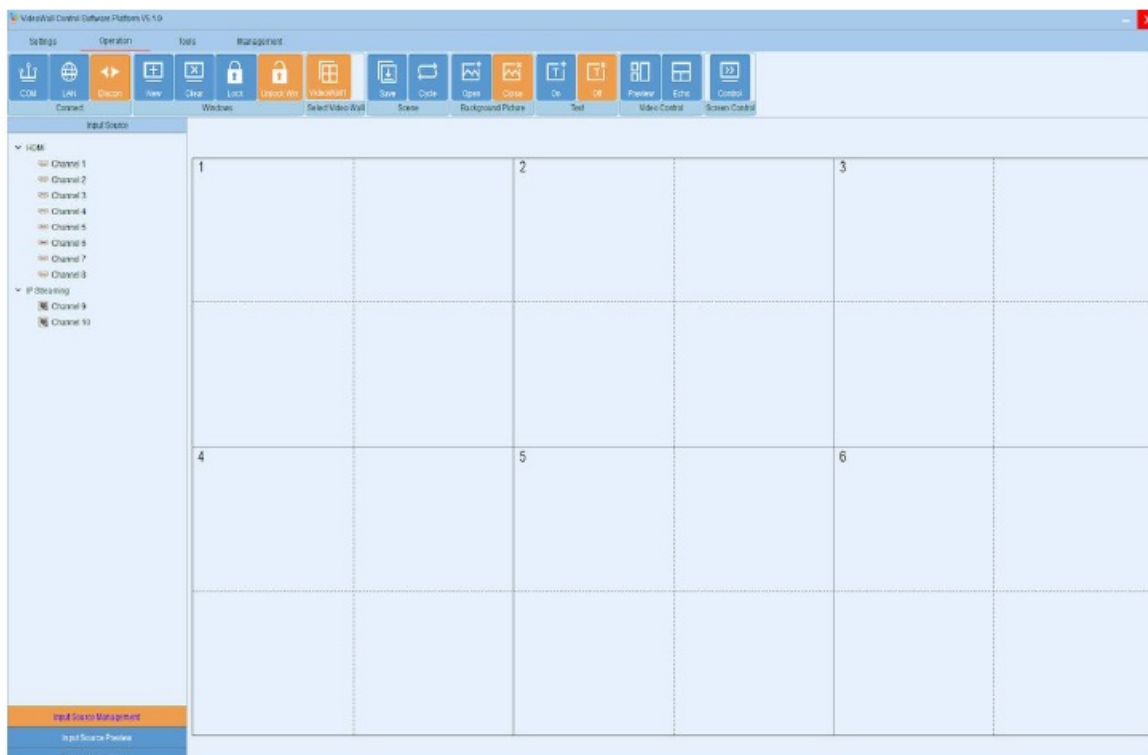


Setting

LAN COM

NetCard:

IP Address:



Video Wall Control Software Platform V5.1.0

Settings Operation Tools Management

COM LAN **Display** New Clear Lock Unlock Web View Wall Save Copy Open Close On Off Preview Exit Control

Connect Select Video Wall Scene Background Picture Text Video Control Screen Control

Input Source

- HDMI
 - Channel 1
 - Channel 2
 - Channel 3
 - Channel 4
 - Channel 5
 - Channel 6
 - Channel 7
 - Channel 8
 - Channel 9
- IP Streaming
 - Channel 9
 - Channel 10

Input Source Management
Input Source Preview
Grid Management

1		2		3	
4		5		6	

Control Port Connection

- Click sub-menu [Connect] in [Setting] to pop up a dialog box as follows. The default baud rate is 115200. Select the corresponding COM port and click [Set up] to connect.
- For the network connection control, click [Search] button to automatically obtain the IP address and device port. Then click the [Set up] button to connect.

Connect to Videowall controller

Connect

COM Port: COM8

Baud Rate: 115200

Interval(ms): 1

Delay(ms): 1

Set up

IP Address: 192.168.3.100

IP Port: 5000

Interval(ms): 1

Delay(ms): 1

Set up

IP Address: 192.168.3.100

SubnetMask: 255.255.255.0

Baud Rate: 115200

Modify IP

Modify

Modify

Gateway: 192.168.3.1

Auto IP

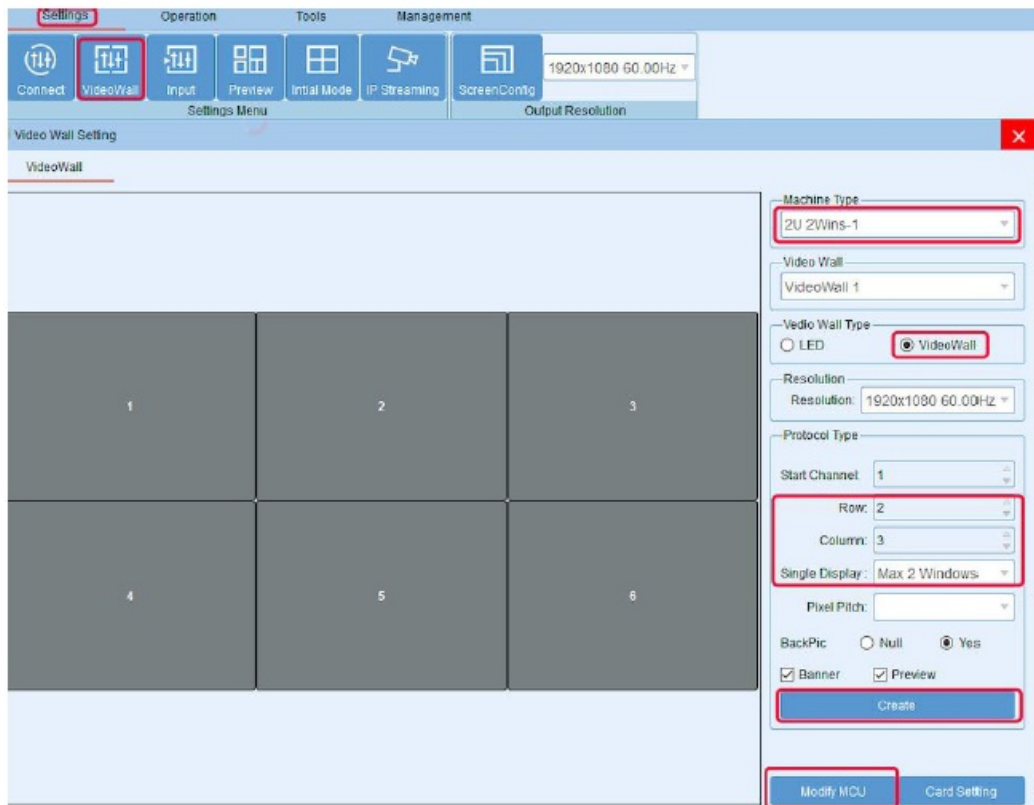
Fixed IP

Controller in the same LAN

Search

Video Wall Setting

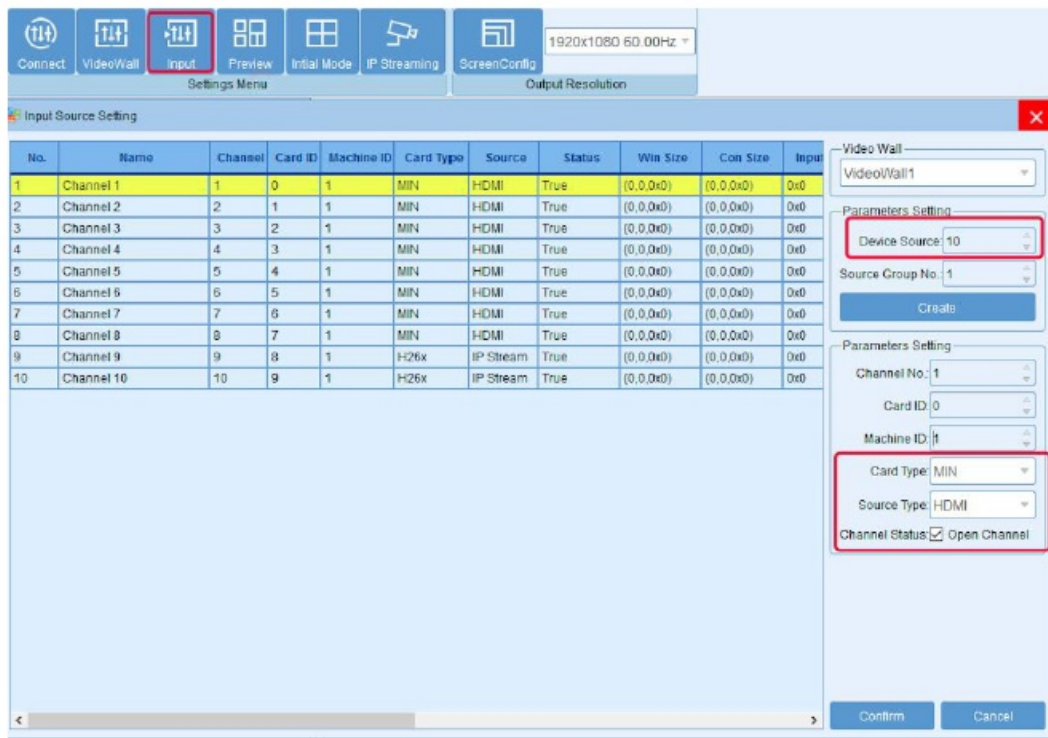
- ANGUSTOS ACV2/ ACVM Video Wall Controller User Manual Take 8 input and 6 output 2 layer Windows video wall controller setting for example.
- Choose the machine type 2U 2windows-1 and Video wall type Videowall Row 2 and Column 4, Max 2 windows in single display Then click the icon [Create] and then [Modify MCU] .



Input Source Setting and Management

Input Source Setting

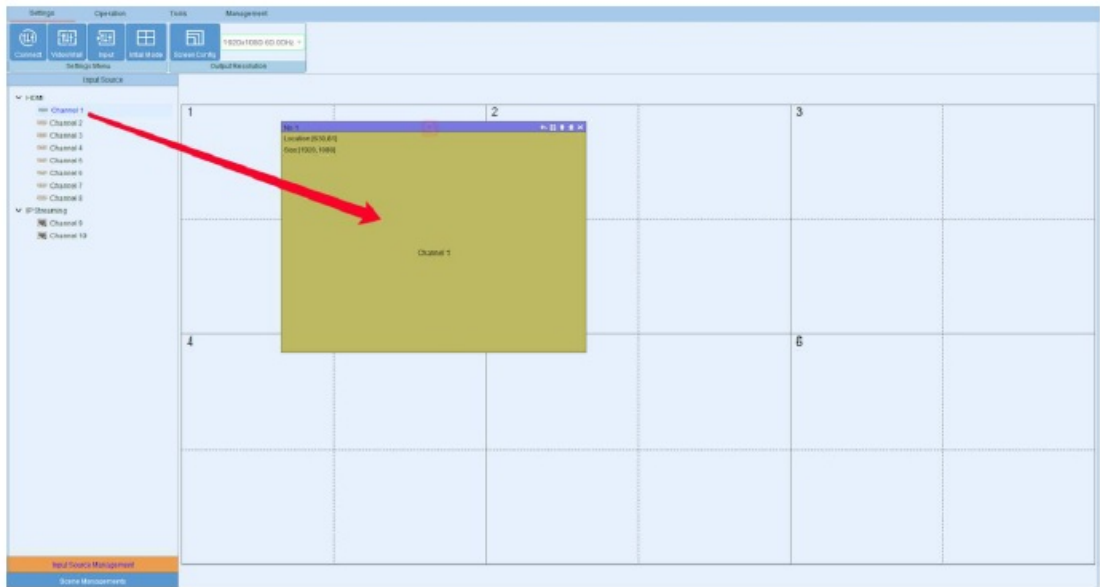
The user can set each card specification as the interface shown below.



Input Source Management

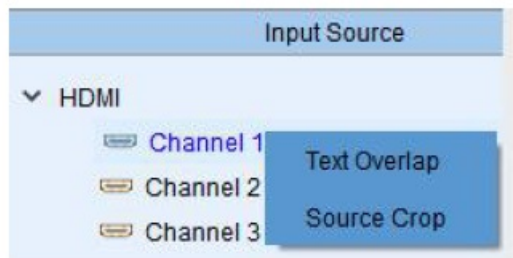
- On the left side of the software interface, there is an input sources list. As shown below.
- Select one input signal and drag it to the right side of the display area to realize signal switching. Double-click

the input signal to change its name.



Input source setting

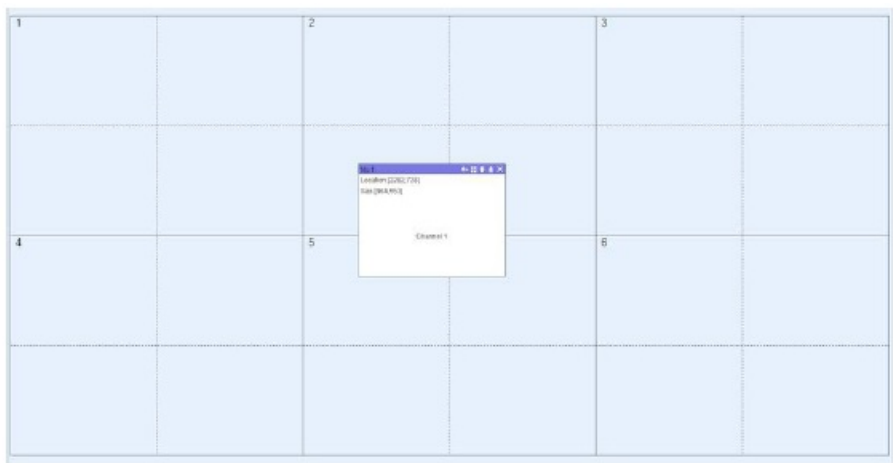
Right-click the input source, it and pop up a sub-menu for the input source setting. Such as text overlap in inputs and input source cropping.



Video Window Operation

Open video window





Press and drag the left mouse button in the operation interface to create a rectangle window, as shown in the figure below.

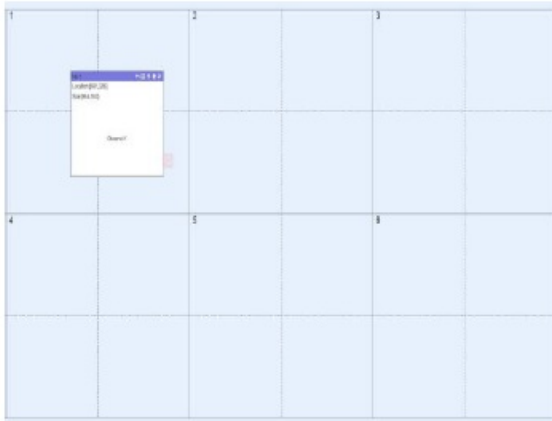





Adjust video window size and position

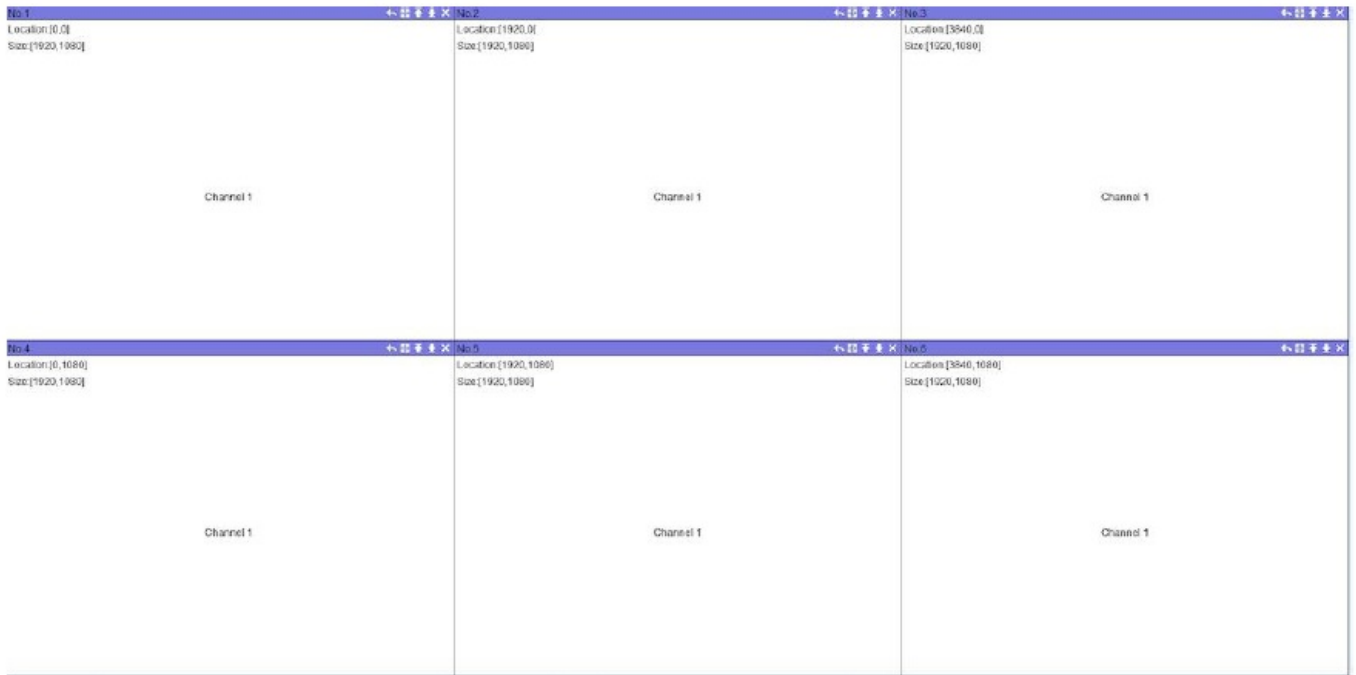
Move the mouse pointer on the video window, then press and drag it to move the window to an appropriate position. Move the mouse pointer to the bottom right of the window, and then drag it to change the window size when it turns into a two-way arrow.

Window menu operation

-  There are five menus at the top of each window. It's available for users to do Windows operation. The black full line in the operation area represents the screen frame.
- The dotted line represents blocks in a single screen unit.
-  **Close:** Close the current video window
-  **Top and Bottom:** Change the window level to be on the bottom or the top.
-  **Full-screen display:** Click the menu to realize the current operation window to be displayed in the entire video wall. Click this button again, it will return to the previous size.



-  **Return:** Click the menu, and the operation window will be displayed fully on the single screen of the current upper-left angle.
-  Click the sub-menu Clear of Operation menu, all the video windows will be deleted.
-  Click the sub-menu New of Operation menu and video windows will be displayed in a single screen of the video wall, as shown in the figure below.



- Click sub-menu Lock of Operation menu to lock all video windows, and all the windows cannot be moved but the user can open a new window on it.



- Click sub-menu Unlock of Operation menu to unlock all the windows.



- Click sub-menu Initial mode of Settings to select the window layers for a single screen before you operate the New function.

Scene Mode Save/ Recall and Cycle

Scene Mode Save

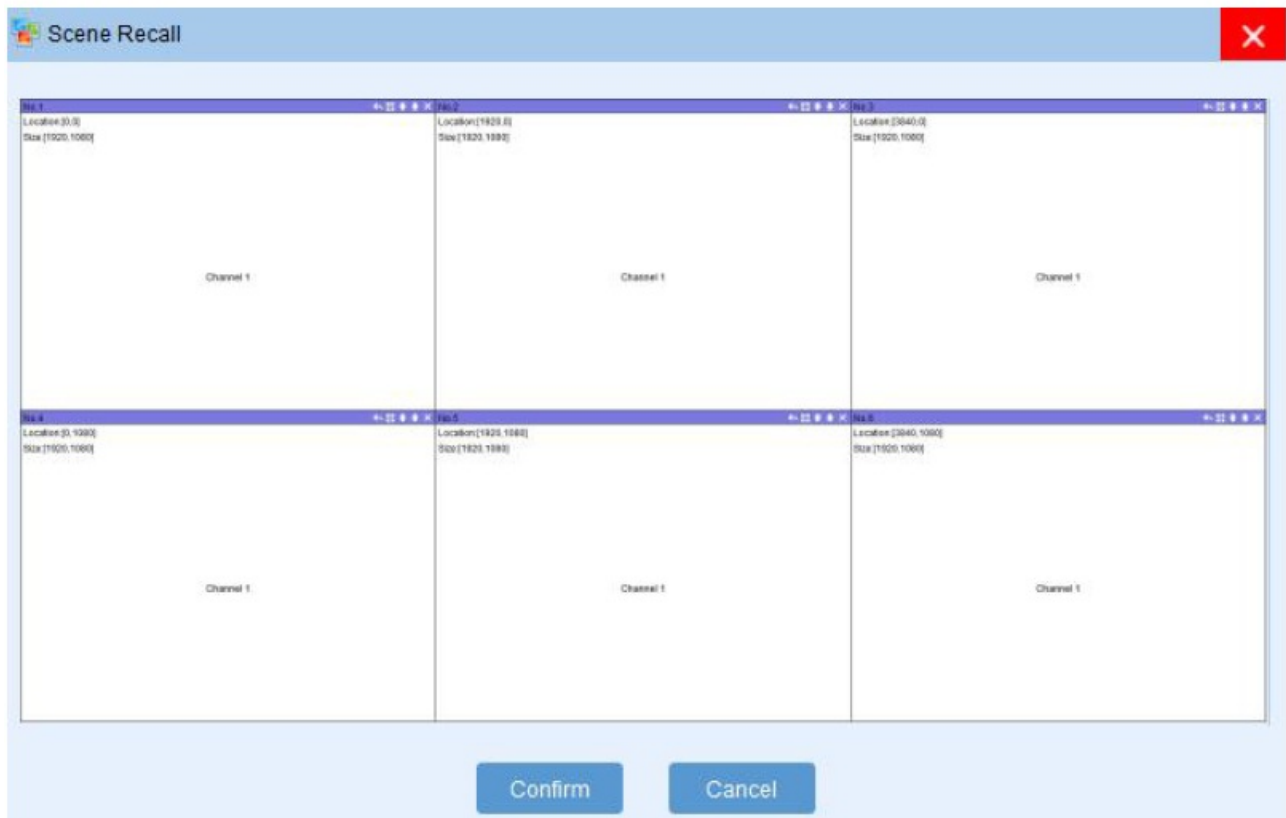


- Click the sub-menu Save in Operation menu to save the current video wall layout.
- The scene name can be edited.

Scene mode recall

- There are Scene Management menu at the bottom left interface.
- Click the menu Load to recall the mode and choose Confirm to take it effect.
- Click the menu Delete to delete the saved scene mode data.

Scene Management			
1	Scene_1	Load	Delete
2	Scene_2	Load	Delete
3	Scene_3	Load	Delete



Scene mode cycle

- Click the sub-menu Cycle in Operation menu, then add the cycle scenes to the list and choose Interval time for each mode. Clicking the icon "Start" to start the cycle.

Scene Cycle

Splicing wall No.: VideoWall1-1

Current mode:

Scene_1	1
Scene_2	2
Scene_3	3

Add>>

Delete

Scene_1	5
Scene_2	10

Interval(s):

5

Start


Stop

CONTACT

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- New York, 10013, United States
- Email: inquires@angustos.com
- Website: <http://www.angustos.com>

Documents / Resources

 <p>ANGUSTOS VIDEO WALL CONTROLLER</p> <p>ACV2 / ACVM CONTROLLER USER MANUAL</p>	<p>ANGUSTOS ACV2 Angustos Video Wall Controller [pdf] User Manual</p> <p>ACV2, ACVM, ACV2 Angustos Video Wall Controller, ACV2, Angustos Video Wall Controller, Video Wall Controller, Wall Controller, Controller</p>
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References

-  **[ANGUSTOS - The Best Selling IT & Pro AV in USA Market!](#)**
- **[User Manual](#)**

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