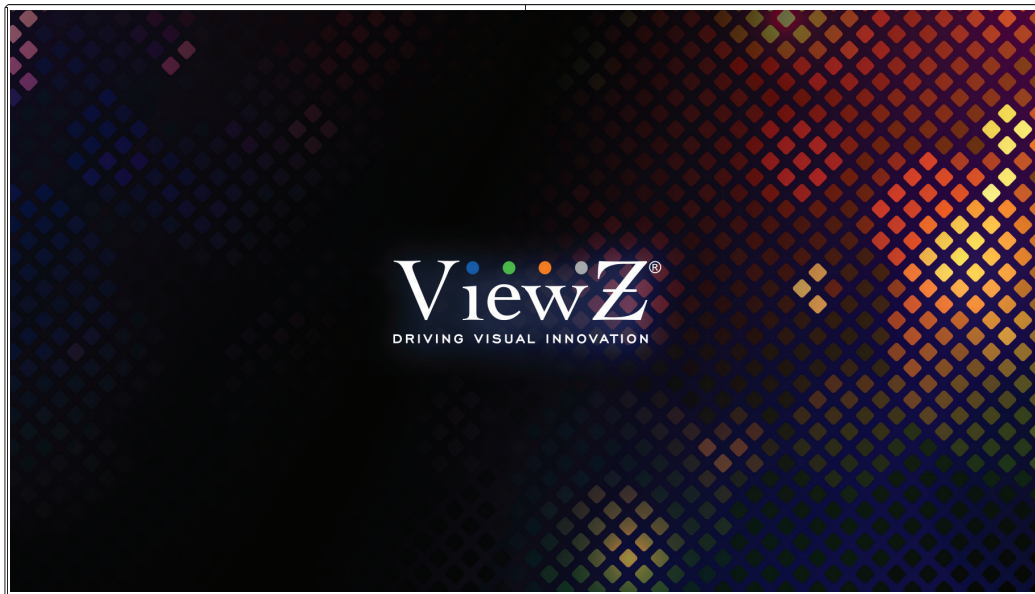


# VZ-UNBS SERIES VIDEO WALL MONITORS

## How to make the HDMI Daisy-Chain Setting

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### USER MANUAL



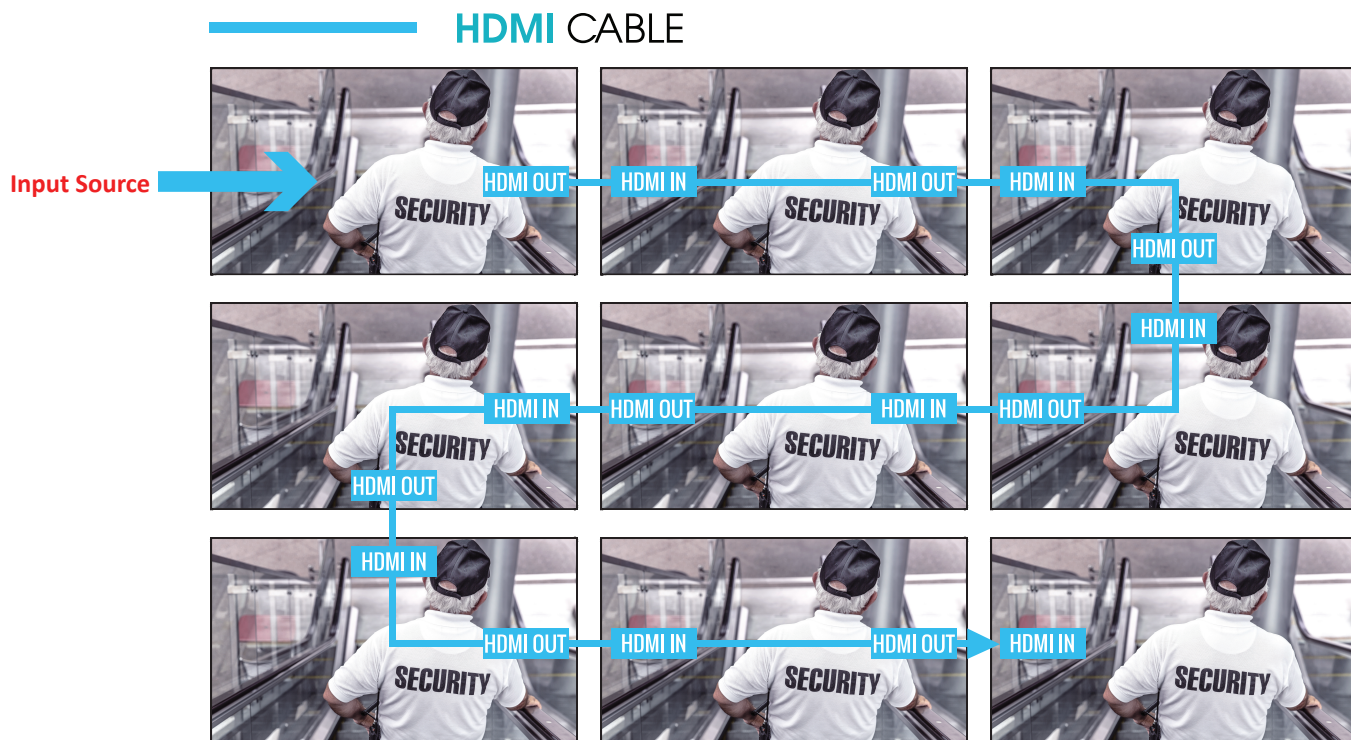
**ViewZ®**  
[www.viewzusa.com](http://www.viewzusa.com)

Please read this manual thoroughly before use, and keep it handy for future reference.

# SETUP DAISY CHAIN

## How to make the HDMI daisy-chain setting

- There are two ways to set up the daisy-chained video wall.
1. Use the IR remote controller
  2. Use the Serial Control Program



Before the daisy chain setup, the monitor will be shown as above

# SETUP DAISY CHAIN

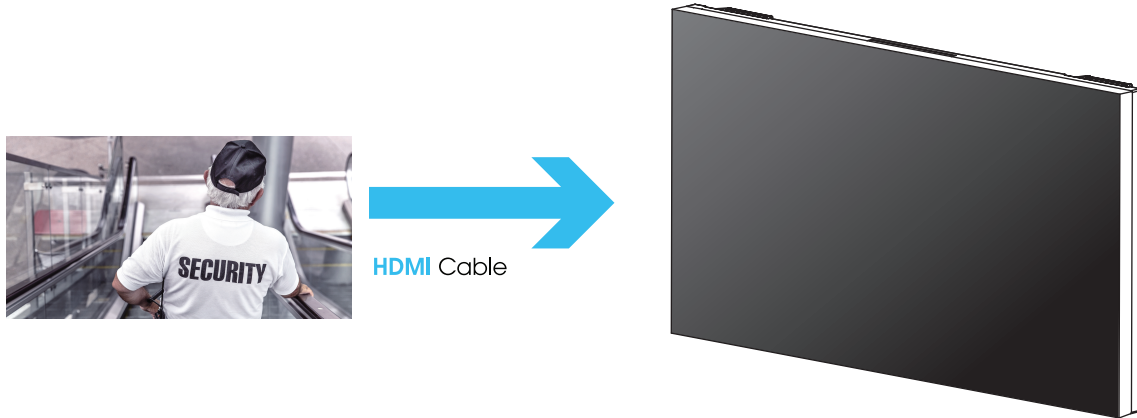
## Using IR Remote Controller

### Physical Connections

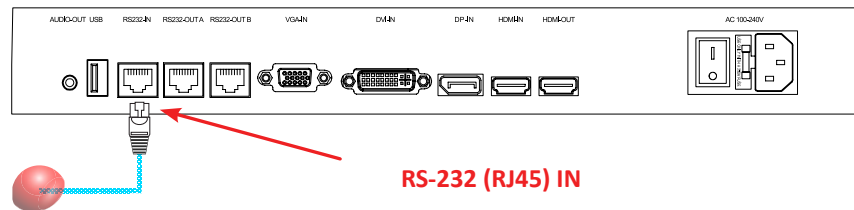
Special note: Use the short **HDMI cables** (less than 6feet) for the daisy-chain connection. For 4K video, use the 18Gbps 4K graded **HDMI cables**.

In accordance with the following figure, please connect the cables.

- ① Connect the Video source at the **HDMI IN** of 1<sup>st</sup> monitor.



- ② Connect the **HDMI cable** at **HDMI OUT** of 1<sup>st</sup> monitor and **HDMI IN** of 2<sup>nd</sup> monitor. And connect 2<sup>nd</sup> and 3<sup>rd</sup> monitors repeatedly until the last of monitor.
- ③ Connect a IR sensor at RS232 (RJ45)-IN at first monitor.



### ⚠ Caution

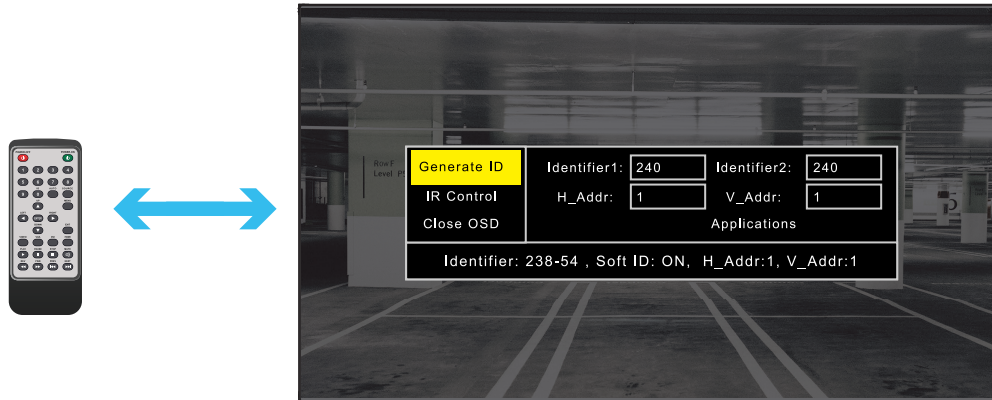
- For HDCP setup with an IR remote control, user should setup the ID of each monitor one by one.
- When user setup the ID of each monitors, user should not connect RS232(RJ-45) cables between monitors

# SETUP DAISY CHAIN

## Using IR Remote Controller

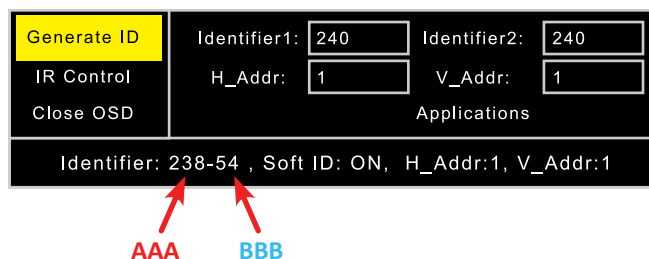
### 1. Power on and ID Setting

- ① Power on the video source and the video wall monitors.
- ② Press **SOURCE** on the IR Remote Controller (be sure to display input source on all of monitors) and select HDMI.
- ③ Press **ID** on the IR Remote Controller to display the following window.
- ④ Move cursor to Generate ID and select it to display the Identifier **AAA** - **BBB**.



**AAA** is **Identifier 1** and **BBB** is **Identifier 2**.

- ⑤ Move cursor to the box of **Identifier 1** and enter the 3 digit number - Ex. 238 (see below picture)
- ⑥ Move cursor to the box of **Identifier 2** and enter the 3 digit number - Ex. 54 (see below picture)
- ⑦ Move cursor to the box of **H\_Addr** and enter a number of 1.
- ⑧ Move cursor to the box of **V\_Addr** and enter a number of 1.
- ⑨ Move cursor to **Applications** and then press **ENTER** button on the IR Remote Controller.



# SETUP DAISY CHAIN

## Using IR Remote Controller

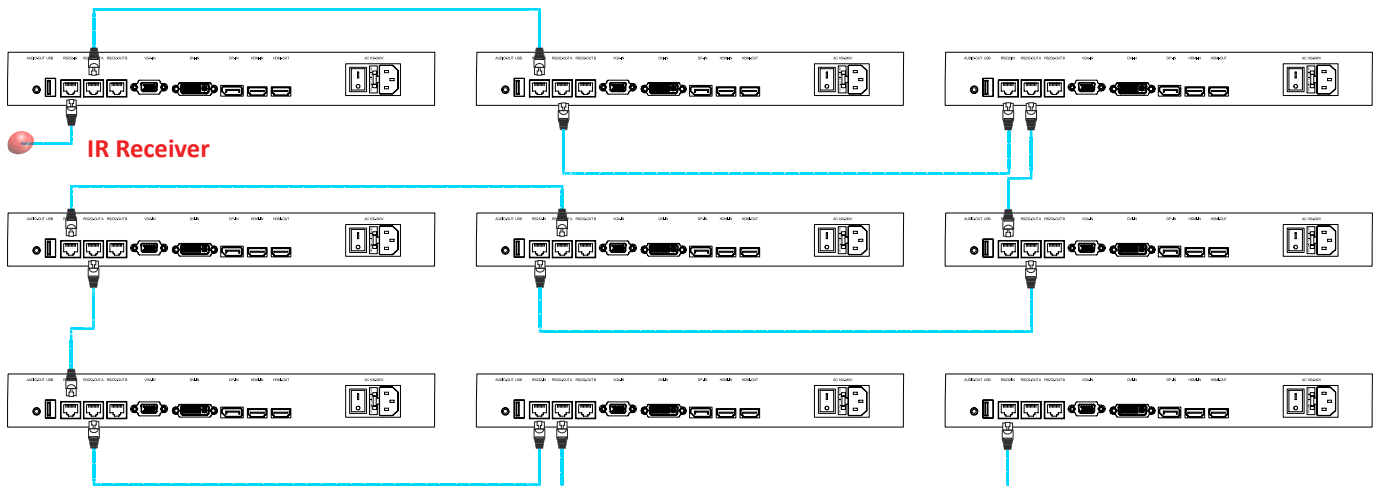
- After the process of '1-① to 1-⑨', disconnect IR Remote Cable from the 1<sup>st</sup> monitor and connect it to **RS232 (RJ45) IN** of 2<sup>nd</sup> monitor. Repeat above steps ( 1-④ to 1-⑨ ) until you finish the ID setting of all monitors. **H\_Addr** and **V\_Addr** should refer to the following numbers

H_Addr : 1 V_Addr : 1	H_Addr : 1 V_Addr : 2	H_Addr : 1 V_Addr : 3
H_Addr : 2 V_Addr : 1	H_Addr : 2 V_Addr : 2	H_Addr : 2 V_Addr : 3
H_Addr : 3 V_Addr : 1	H_Addr : 3 V_Addr : 2	H_Addr : 3 V_Addr : 3

### Caution

- After ID setup is done on each monitors, user can connect RS232(RJ-45) cables between monitors to apply daisy-chain.

## 2. Video Wall Setting

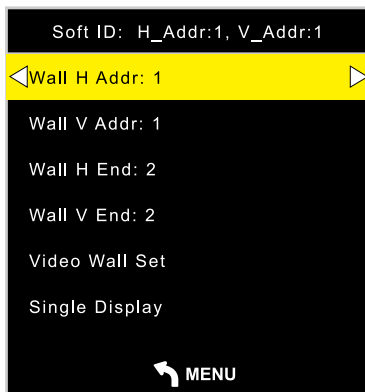


- Connect the IR Receiver at the **RS232 (RJ45) IN** of 1<sup>st</sup> monitor.
- Connect the CAT5/6 cable at **RS232 (RJ45) OUT** of 1<sup>st</sup> monitor and **RS232 (RJ45) IN** of 2<sup>nd</sup> monitor. And connect 2<sup>nd</sup> and 3<sup>rd</sup> monitors repeatedly until the last of monitor.

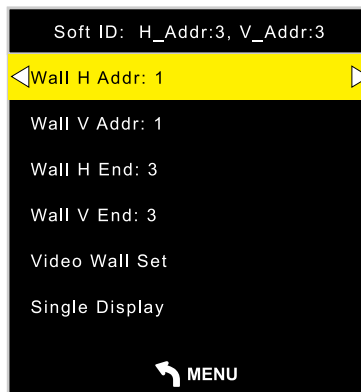
# SETUP DAISY CHAIN

## Using IR Remote Controller

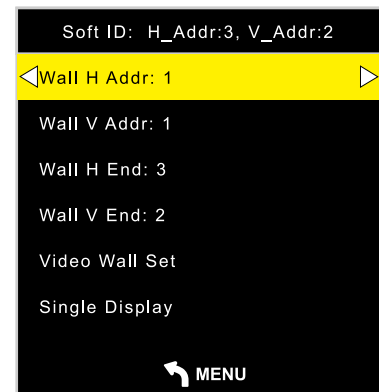
- ③ Press **MENU** on the IR Remote Controller.
- ④ Move Cursor to **Video Wall Set** and select to display the following menu.  
Enter proper number at Wall H Addr., Wall V Addr., Wall H End asnd Wall V End referring to the below.  
All of the monitors should have same number.



**2 x 2 Video Wall**



**3 x 3 Video Wall**



**3 x 2 Video Wall**

- ⑤ Move Cursor to **Video Wall Set** and then press **ENTER**, so you can see one image over the video wall.



### Caution

- When you enter **Video Wall Set** window, you should see the proper setup based on your monitor number.  
For ex. if your **Video Wall** has **2 x 2** monitors, Wall H End & Wall V End should each have '2'.

# SETUP DAISY CHAIN

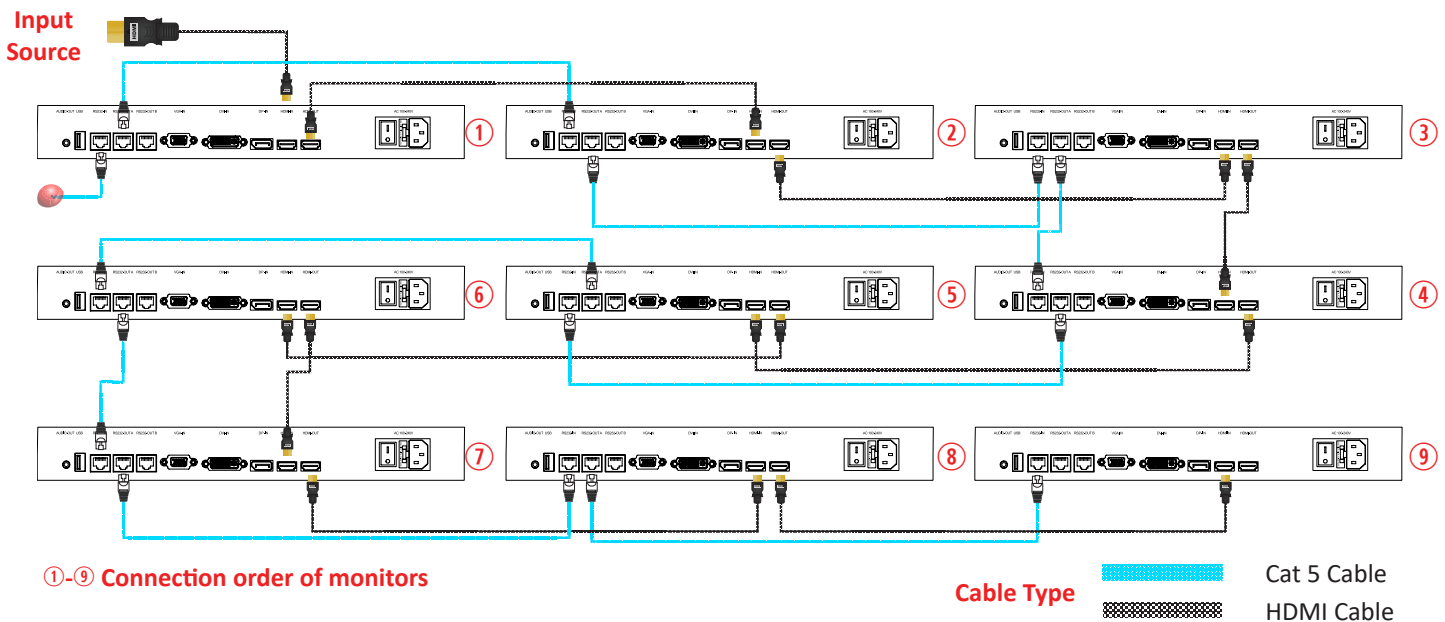
## Using Serial Control Program

### Physical Connections

Special note: Use the short HDMI cables (less than 6 ft) for the daisy-chain connection. For 4K video, use the 18G-bps 4K graded HDMI cables. Before making connection, be sure to install the Serial Control Program in your PC and prepare a proper serial cable with the RS232 (RJ45) connector for the monitor.

In accordance with the following figure, please connect the cables.

- ① Connect the Video source at the **HDMI IN** of 1<sup>st</sup> monitor.
- ② Connect the HDMI cable at **HDMI OUT** of 1<sup>st</sup> monitor and **HDMI IN** of 2<sup>nd</sup> monitor. And connect 2<sup>nd</sup> and 3<sup>rd</sup> monitors repeatedly until the last of monitor.
- ③ Connect the IR Receiver at the **RS232 (RJ45) IN** of 1<sup>st</sup> monitor.
- ④ Connect the CAT5/6 cable at **RS232 (RJ45) OUT** of 1<sup>st</sup> monitor and **RS232 (RJ45) IN** of 2<sup>nd</sup> monitor. And connect 2<sup>nd</sup> and 3<sup>rd</sup> monitors repeatedly until the last of monitor.



### ⚠ Caution

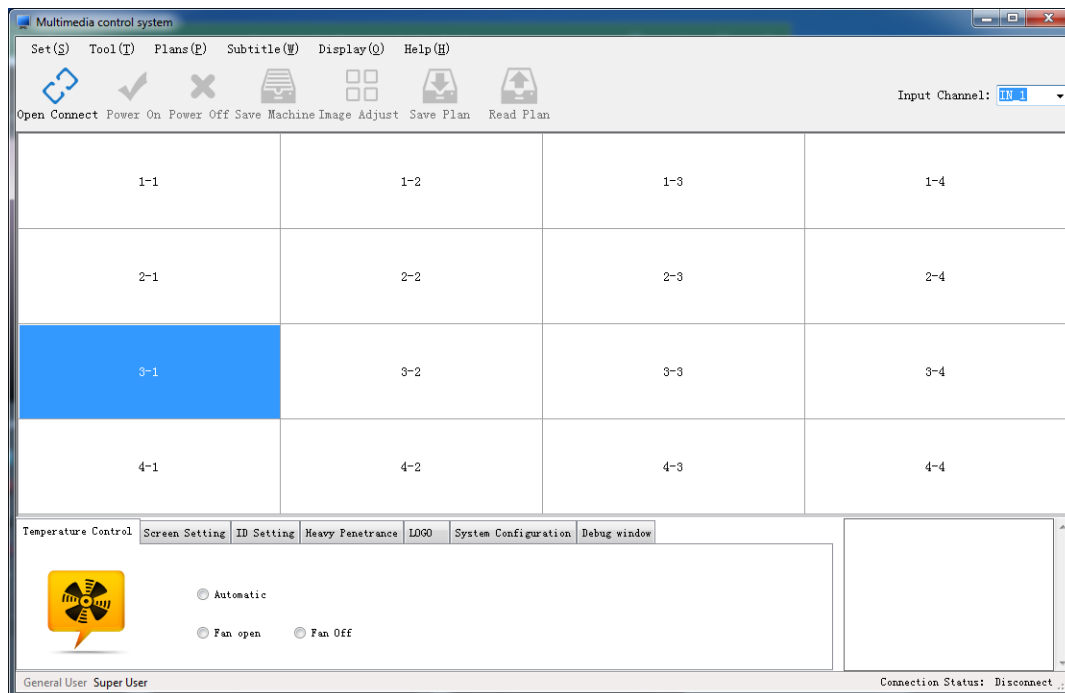
- Before the setup of daisy-chain, user needs to confirm the connection between the computer (which has Screen-Control program) and monitors

# SETUP DAISY CHAIN

## Using Serial Control Program

### Power and ID Setting

- ① Power on the video source and the video wall monitors.
- ② Press **SOURCE** on the IR Remote Controller (be sure to display input source on all of monitors) and select HDMI.
- ③ Disconnect the IR Receiver and connect the Serial Control Cable at the **RS232 (RJ45) IN** of 1<sup>st</sup> monitor.



Please refer " VZ-UNBS-VideoWall-SW-Manual"

### Video Wall Setting

- ① Disconnect a Serial Control Cable and connect the **IR Receiver** at the **RS232 (RJ45) IN** of 1<sup>st</sup> monitor.
- ② Connect the CAT5/6 cable at **RS232 (RJ45) OUT** of 1<sup>st</sup> monitor and **RS232 (RJ45) IN** of 2<sup>nd</sup> monitor. And connect 2<sup>nd</sup> and 3<sup>rd</sup> monitors repeatedly until the last of monitor.
- ③ Press **MENU** on the IR Remote Controller.
- ④ Move Cursor to **Video Wall Set** and select to display the following menu.
- ⑤ Move Cursor to **Video Wall Set** and press **ENTER** to finish the Daisy-Chained Video Wall Setting.



# SETUP DAISY CHAIN

## Using Serial Control Program

- If your setup is successfully done, you will see the image like below picture.

