

# LCD Video Wall

# Installation Manual

# Catalogue



Installation requirements



Preparation



Installation guide



Protective measures

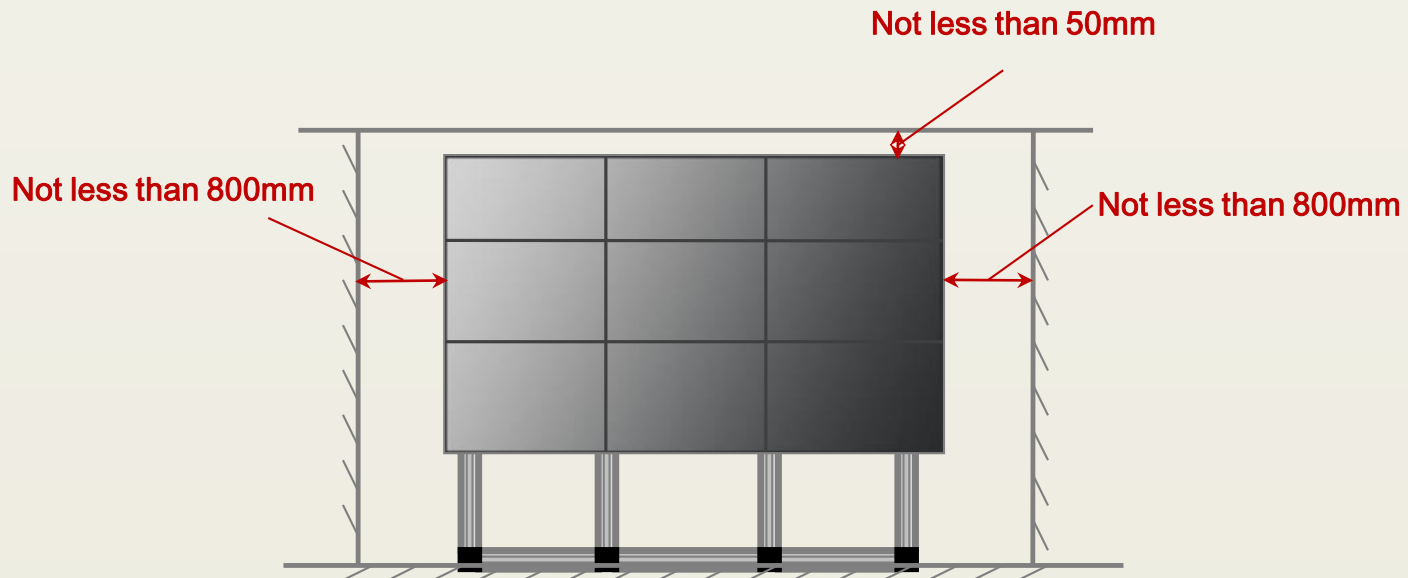
1

## Installation requirements

# Installation requirements

## ■1 Requirement for space

- Splicing wall the distance from the left or right should not be less than 800 mm .To obligate maintenance side channel. The height of the video wall from ceiling should not be less than 50 mm.

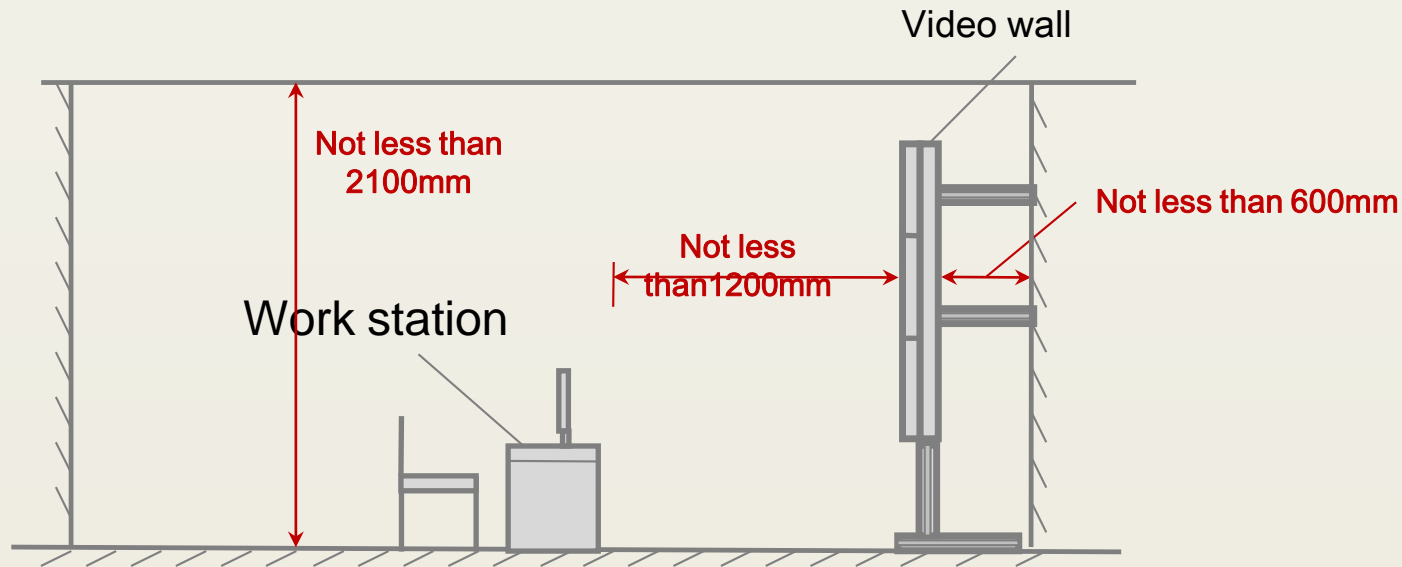


Video wall front view

# Installation requirements

## ■2 Requirement for space

- Work station from the video wall not less than 1200 mm, video wall backside to wall the distance not less than 600 mm from the wall

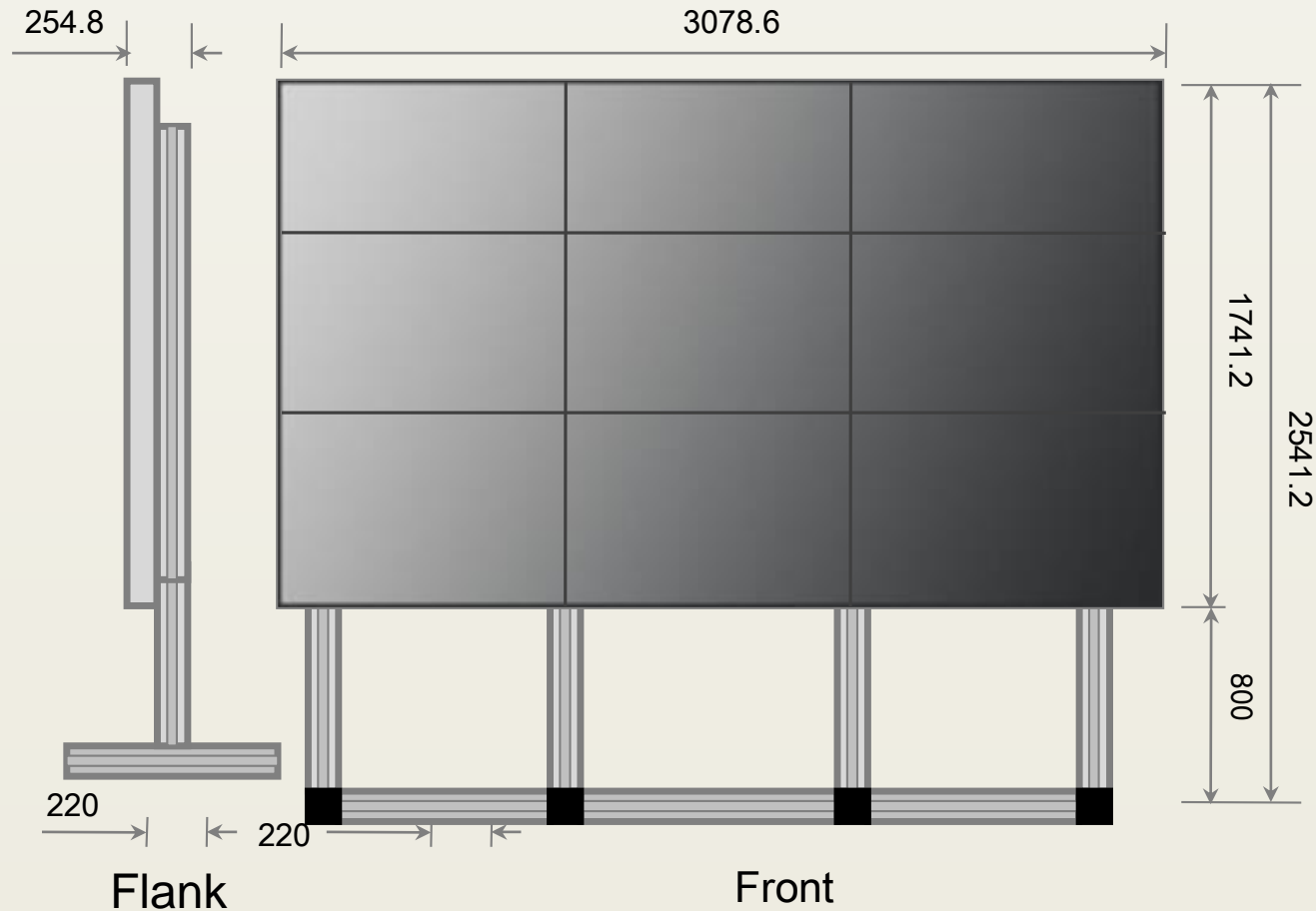


# Installation requirements

## ■ 2 Requirement for space

Unit : mm

- Such as: 46 inch 3X3 Super narrow bezel

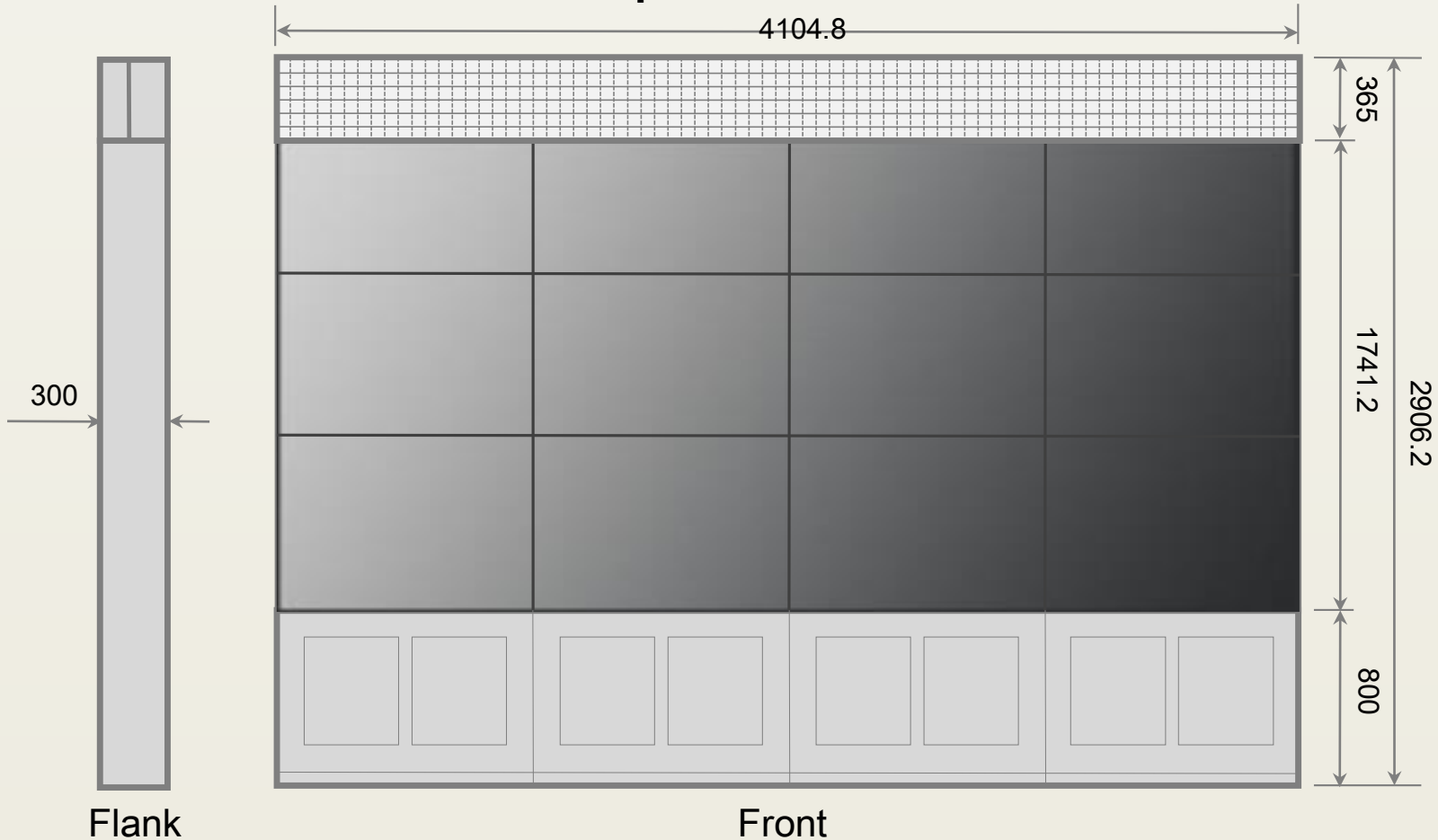


# Installation requirements

## ■ 2 Requirement for space

Unit : mm

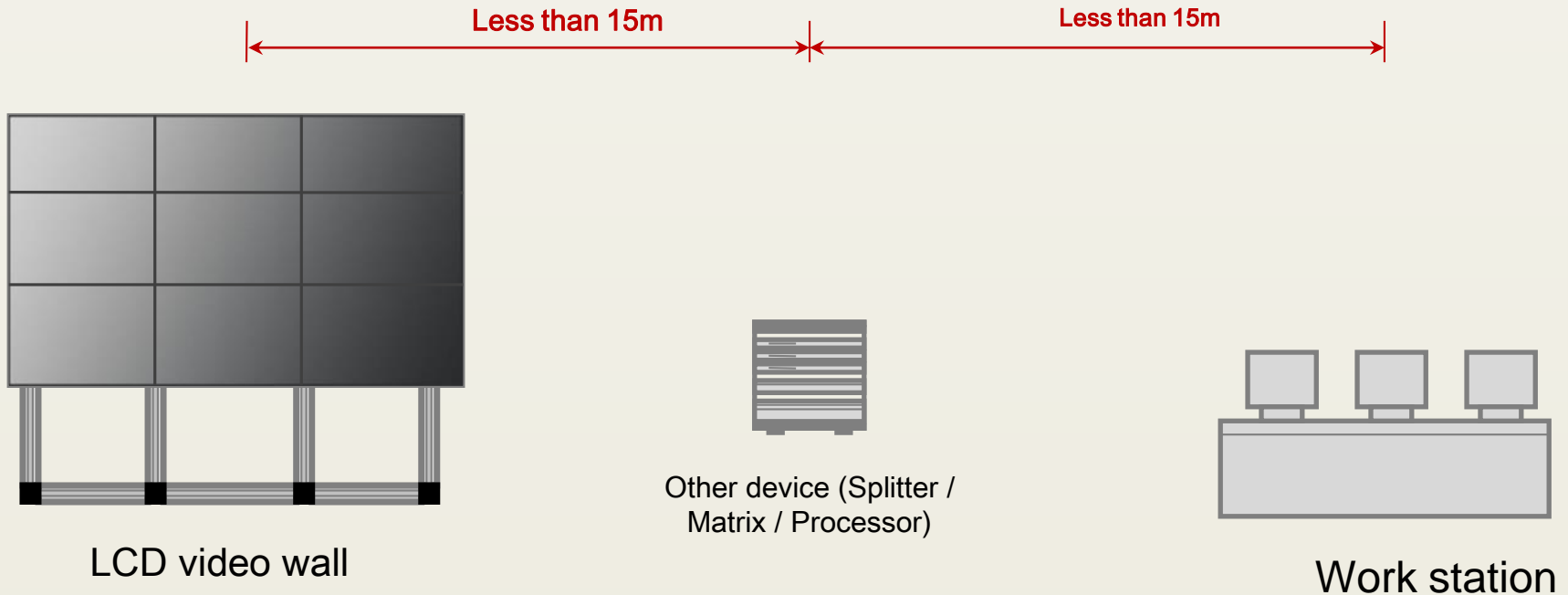
- Such as : 46 inch 3X4 Super narrow bezel



# Installation requirements

## ■2 Requirement for space

- Video wall, Work station and Device the distance less than 15m is better

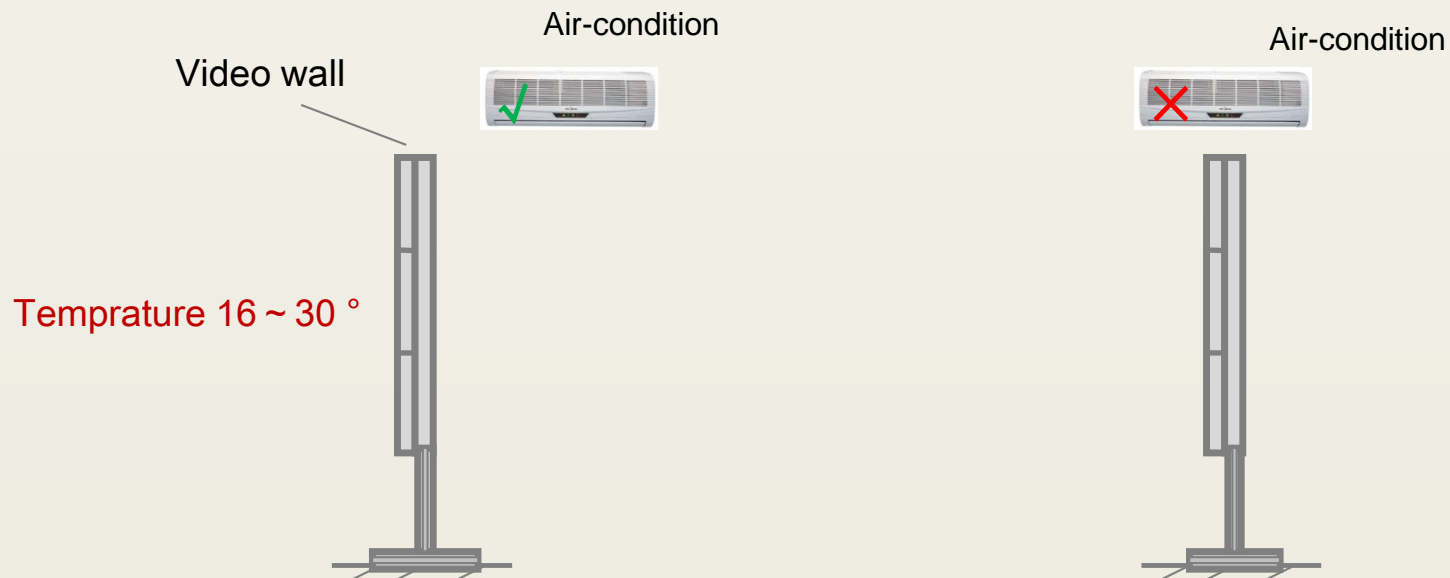




# Installation requirements

## ■3 The environmental requirements

- The room temperature 16~30° , Working Humidity 30%~75%.
- The Air-condition to screen the distance not less than 5m.



Note: 1) Straight blow outlet is prohibited on the screen.

2) Air-condition installed in the screen above is prohibited.

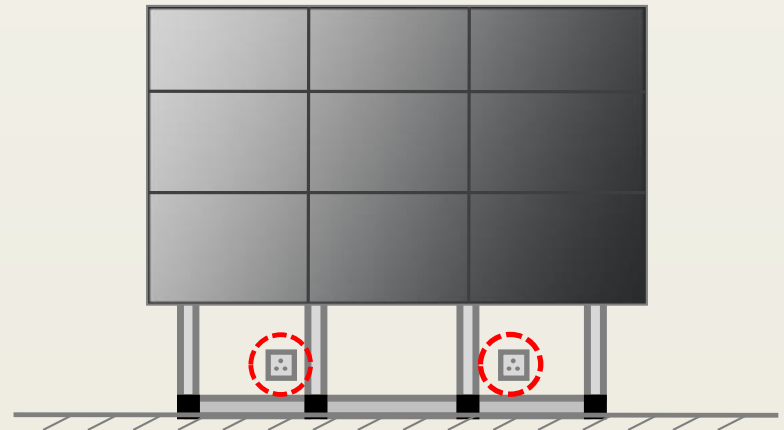
# Installation requirements

## ■4 The requirement of power supply

- The requirement of power supply AC110V-240V 50/60Hz, Advice is equipped with UPS。
- The power position requirements According to the number of main pillar, behind the wall mosaics of the reserved power socket (Close to No2.No3 main pillar).

Device	Video wall unit power
46 inch	230W
55 inch	250W
60 inch	260W

Power



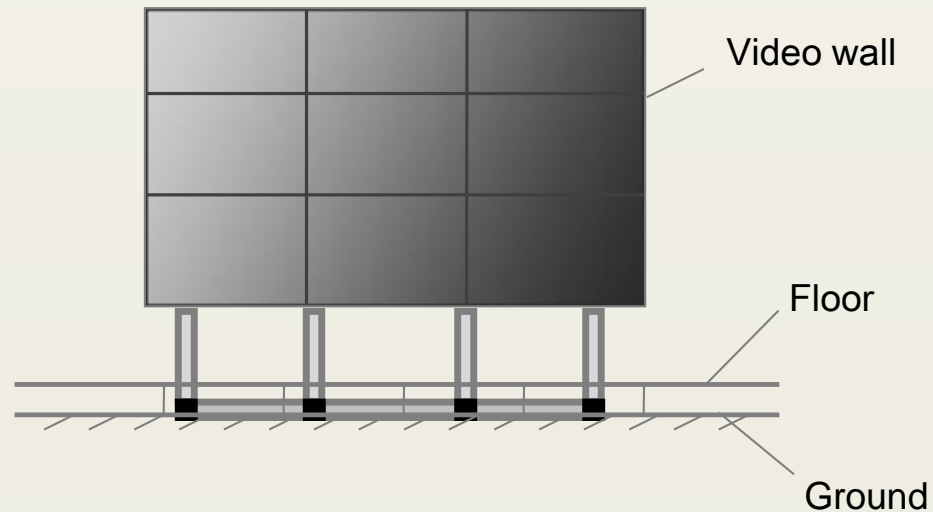
Set aside for socket

# Installation requirements

## ■5 On the floor bearing requirements

- General installation on the cement floor, the ground is not lower than bearing requirements 500Kg/m<sup>2</sup>
- Installation on the floor, the need to strengthen the floor .

Name	Unit weight
46 inch	28Kg
55 inch	65Kg
60 inch	72Kg



Installed on the floor

# 2

## Preparation

# Other preparation

## ■ Tools to prepare (As below pictures)

- Everyone: Knives, scissors, needle nose pliers, tape six Angle wrench, diagonal cutting pliers .
- Turn shock, spirit level, a hammer, Lan cable clamp, laptop, digital camera.



## ■ Material preparation

- Tie one batch, 1 electrician tape, dragging plate, etc.

# 3

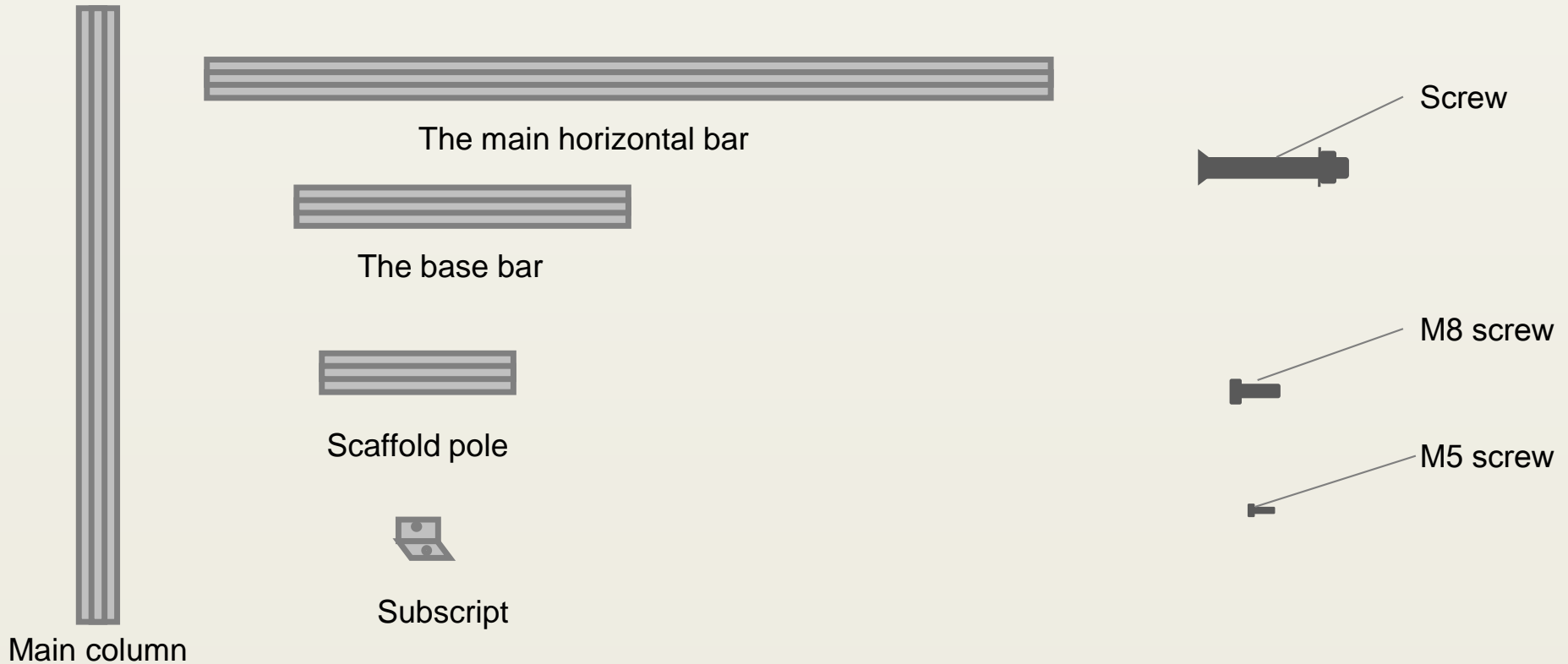
## LCD Video wall installation guide

## ***3.1 Bracket installation instructions***

# Bracket installation instructions

## ■ Bracket accessories

- By the main column, main stripes, beam, the article established the four main parts.



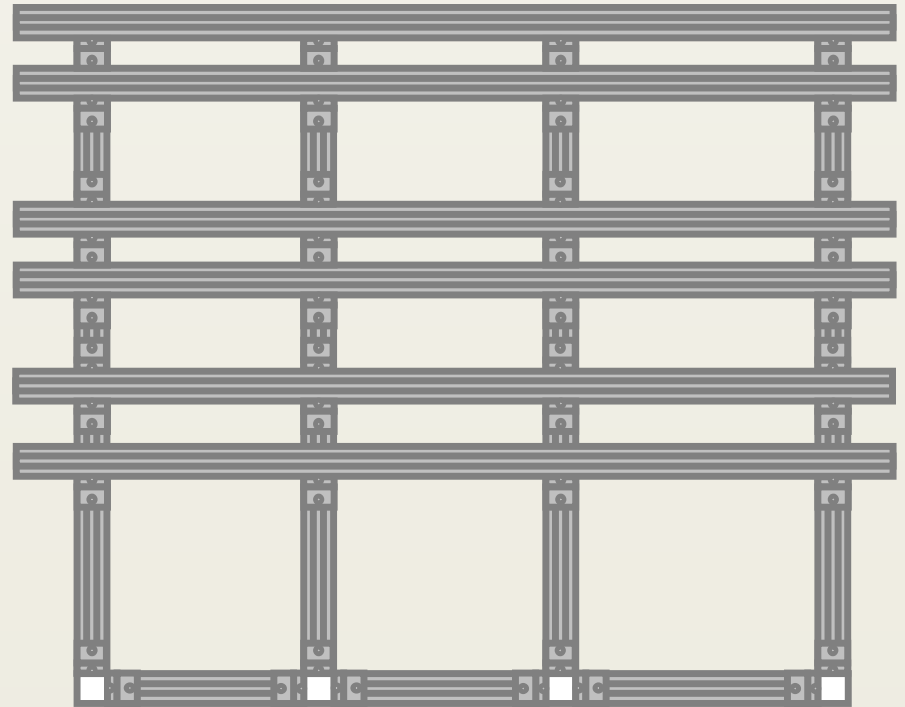


# Bracket installation instructions

## ■ Positive installation schematic diagram

- With screw holes to differentiate between the parts of installation position

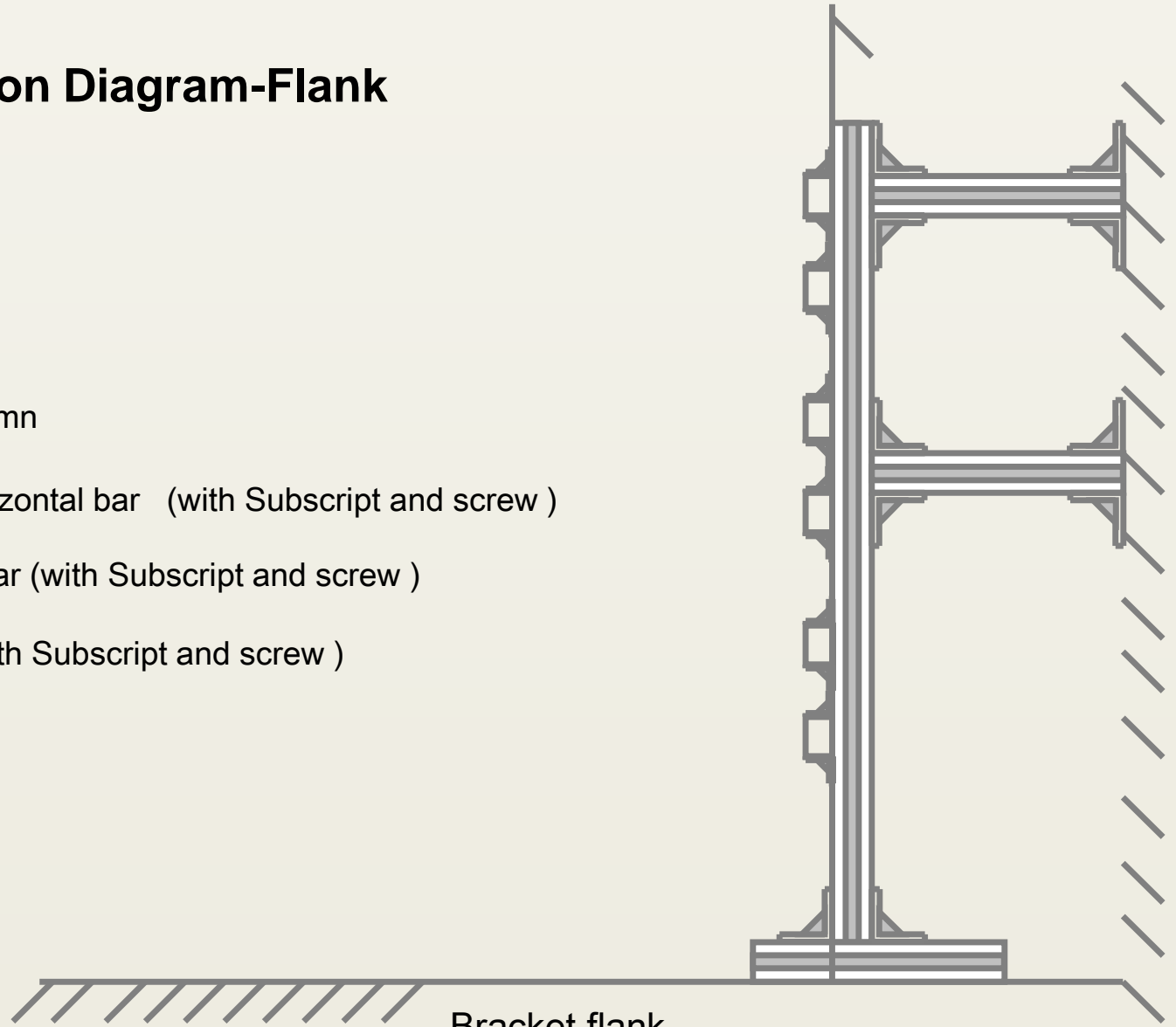
- 1 Install the main pillar
- 2 Install the main horizontal bar (with Subscript and screw )
- 3 Install the vertical bar (with Subscript and screw )
- 4 Install the beam (with Subscript and screw )



# Bracket installation instructions

## ■ Bracket Installation Diagram-Flank

- 1 Install the main column
- 2 Install the main horizontal bar (with Subscript and screw )
- 3 Install the vertical bar (with Subscript and screw )
- 4 Install the beam (with Subscript and screw )



Bracket flank

SHENZHEN DDW TECHNOLOGY CO.,LTD

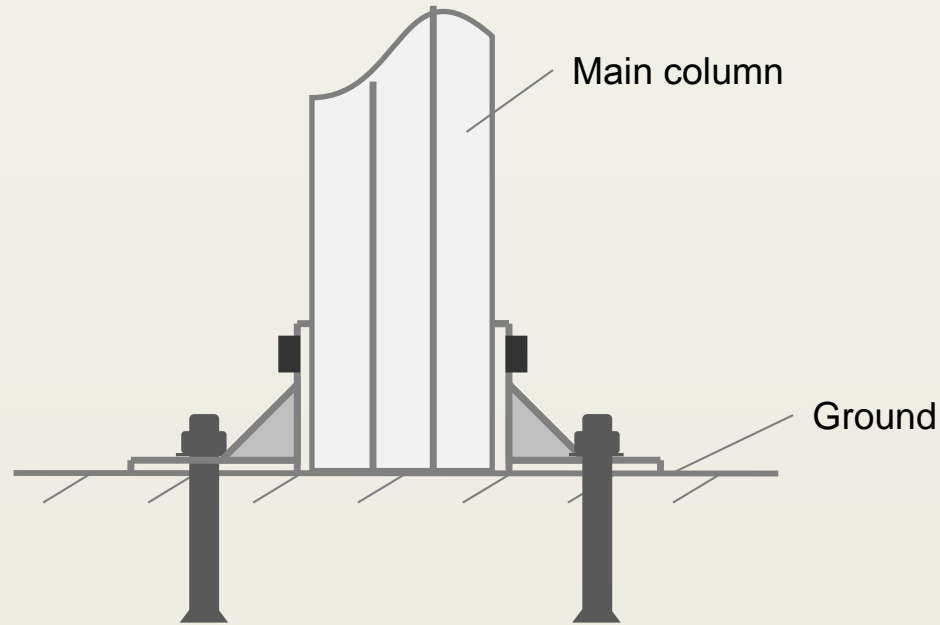
[www.ddw.net](http://www.ddw.net)

[www.lcdvideowall.com](http://www.lcdvideowall.com)

# Bracket installation instructions

## ■ Fixed the main column

- Use the percussion drill in the low post opening, Each column by four screws fixed.



## ***3.2 Installation instructions***

# Installation instructions

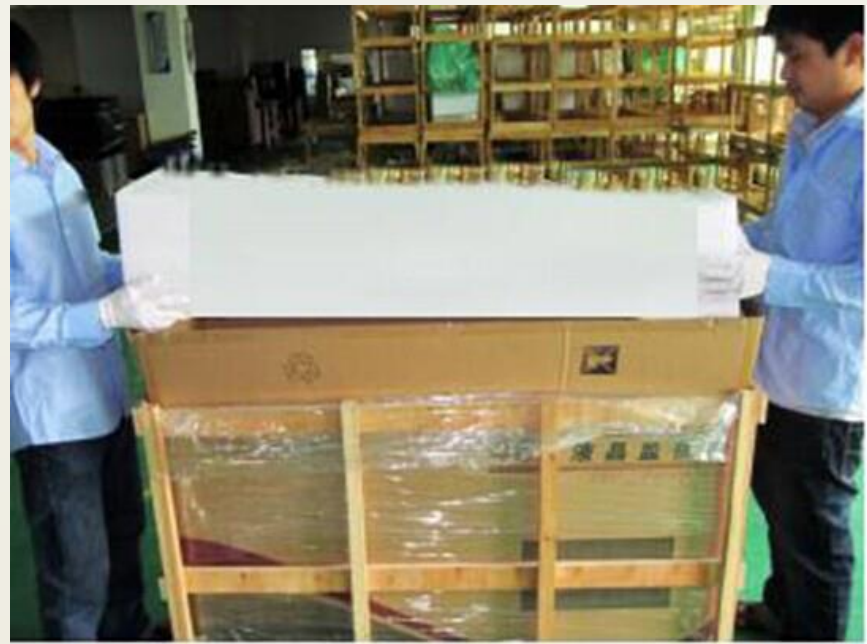
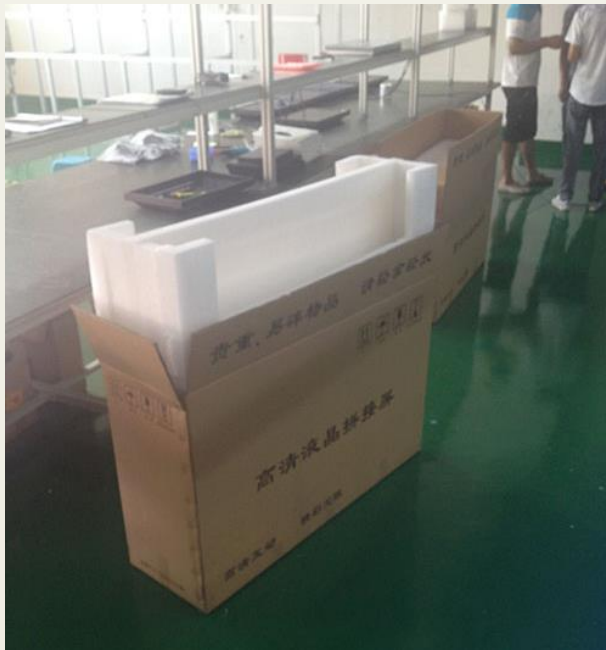
## ■ 1 Unpack the wood pallet package



# Installation instructions

## ■2 Take out the video wall unit

- Remove the pearl cotton



# Installation instructions

## ■2 Take out the video wall unit

- By the screen backside the handle take out the video wall unit



# Installation instructions

## ■2 Take out the video wall unit

- Put the screen stand on Pearl cotton

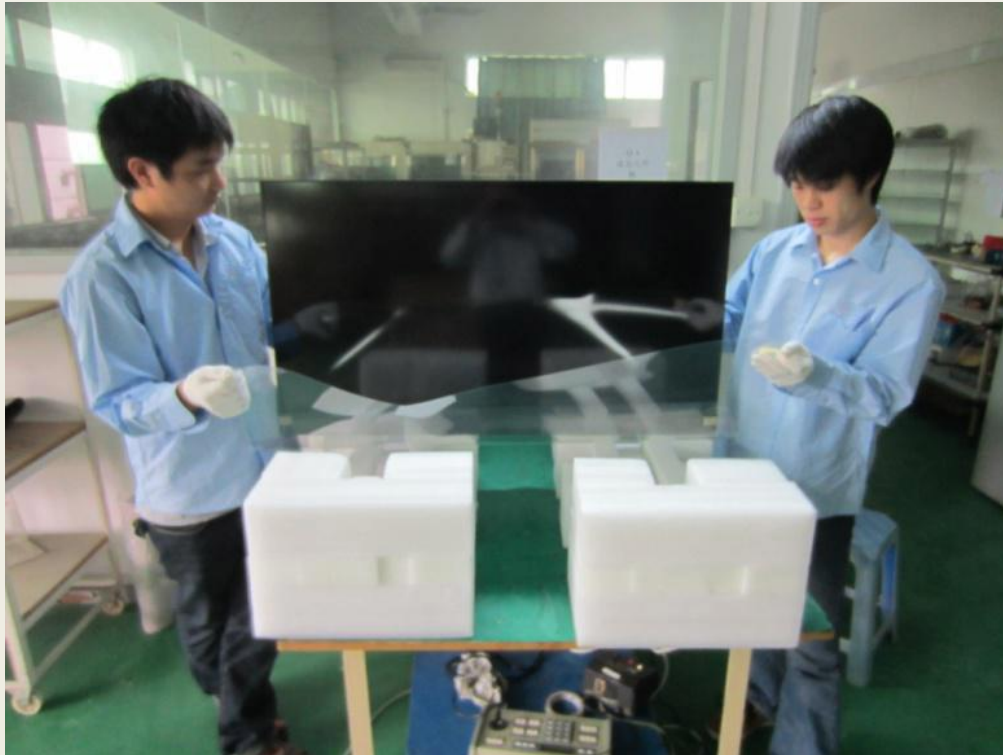




# Installation instructions

## ■3 Check the screen appearance

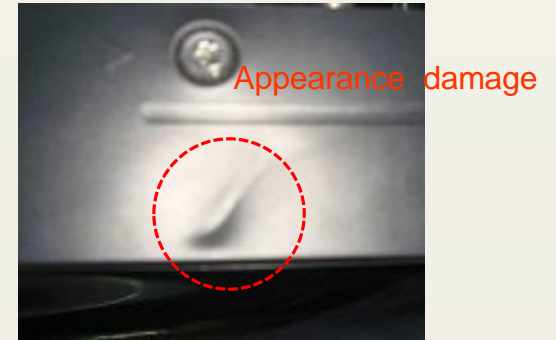
- Remove the screen protector



# Installation instructions

## ■3 Check the screen appearance

- Check the screen whether there is damage or broken screen



# Installation instructions

## ■4 Check the accessories



Manual and warranty card



Power cable



Hook and screw

# Installation instructions

## ■5 Power-on test

- Connect the power cord, turn on the screen power switch, power on.
- Whether there is abnormal test screen, normally blue.



Normal condition



Leakage phenomenon

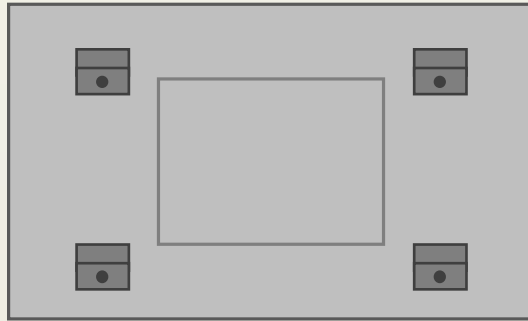
Light leakage phenomenon



# Installation instructions

## ■6 Install and adjust hook

- Each screen 4 hooks, Were fixed with 4 screws (Default hook mounted on the screen) .



video wall unit backside



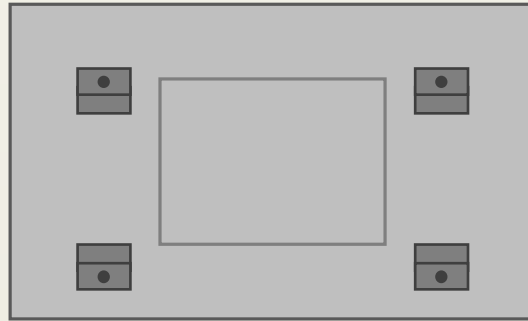
Flank



# Installation instructions

## ■6 Install and adjust hook

- Adjust the direction of the hook



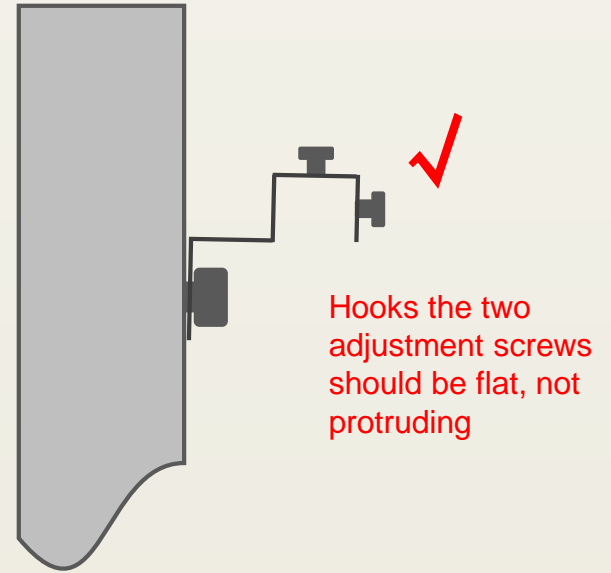
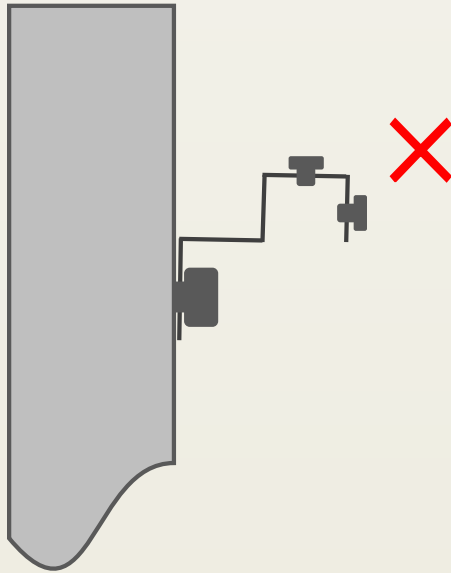
Adjust the direction of the hook

Note:

- 1) Hooks the two adjustment screws should be flat, not protruding.

# Installation instructions

## ■7 Adjustment hook of the screw



# Installation instructions

## ■8 Product placement

- The video wall screen on the Pearl cotton waiting to install.



Screen on the Pearl cotton

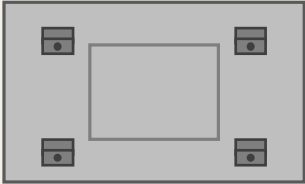


## ***3.3 Install LCD video wall***

# Install LCD video wall

## ■ Install LCD video wall

- LCD video wall unit hung on the baracket.



Backside of the video wall unit



LCD video wall-Flank



Bracket horizontal bar

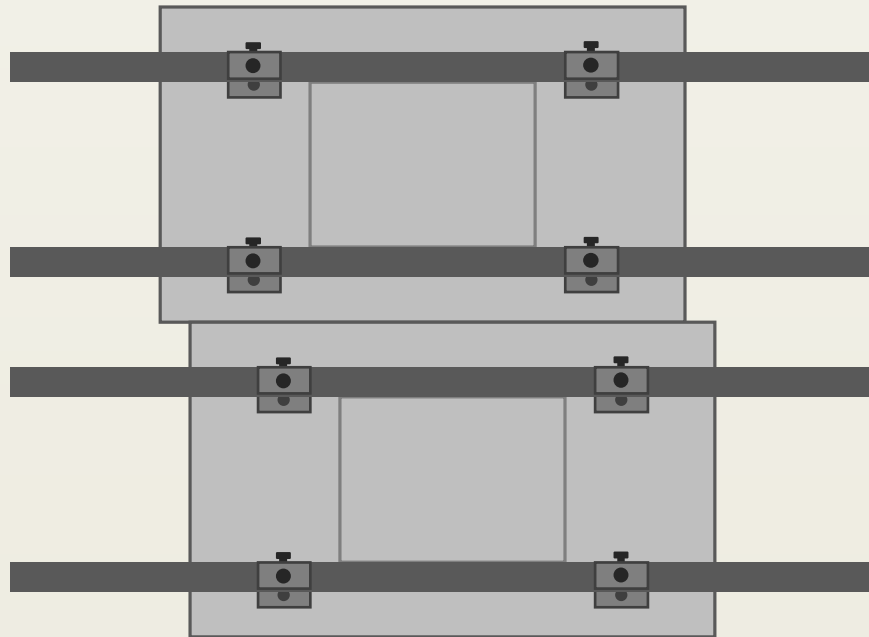


LCD video wall bracket

# Install LCD video wall

## ■ Adjust the angle left and right

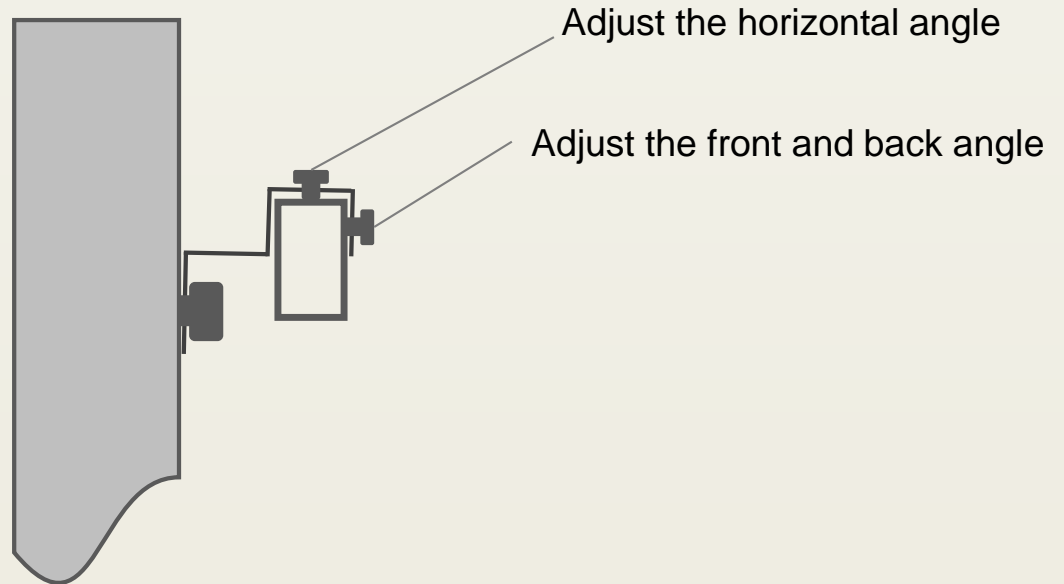
- Gently move the screen . You can left or right to adjust the screen position



# Install LCD video wall

## ■ LCD video wall screen angle adjustment

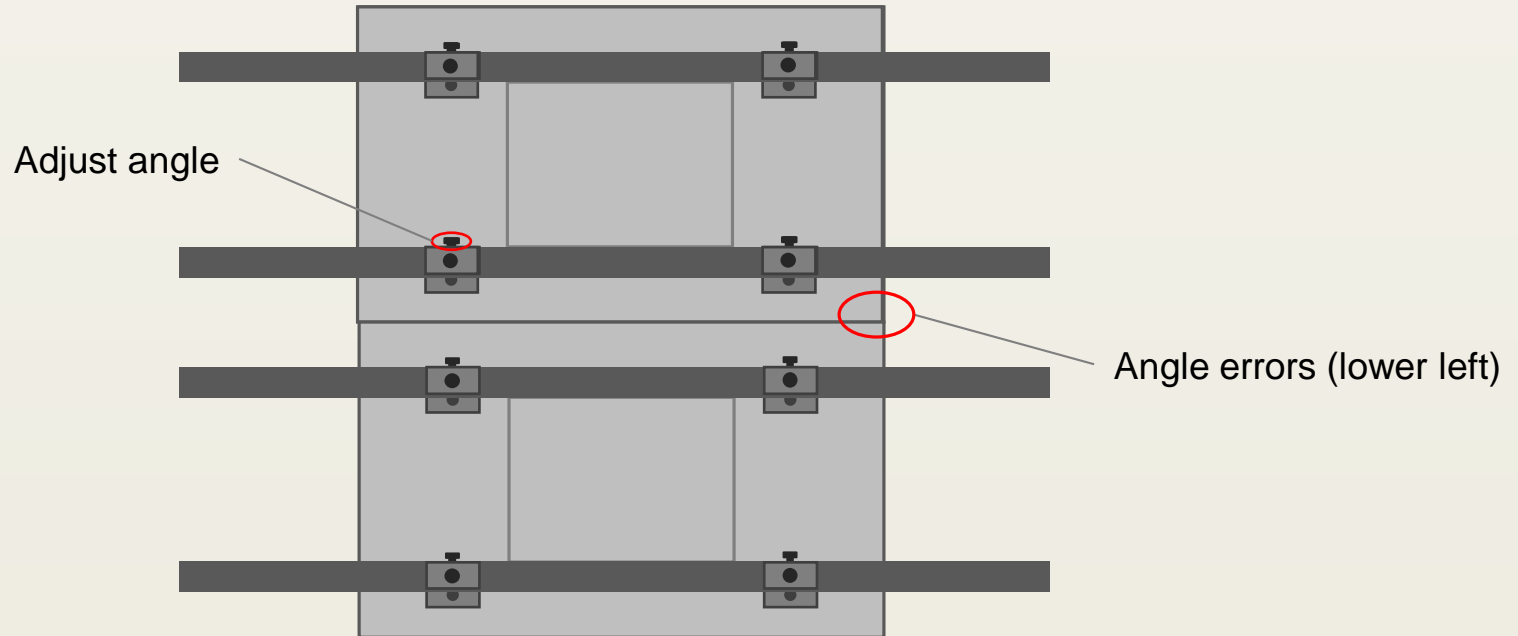
- Through the bracket hooks screw can adjust the angle of the screen.



# Install LCD video wall

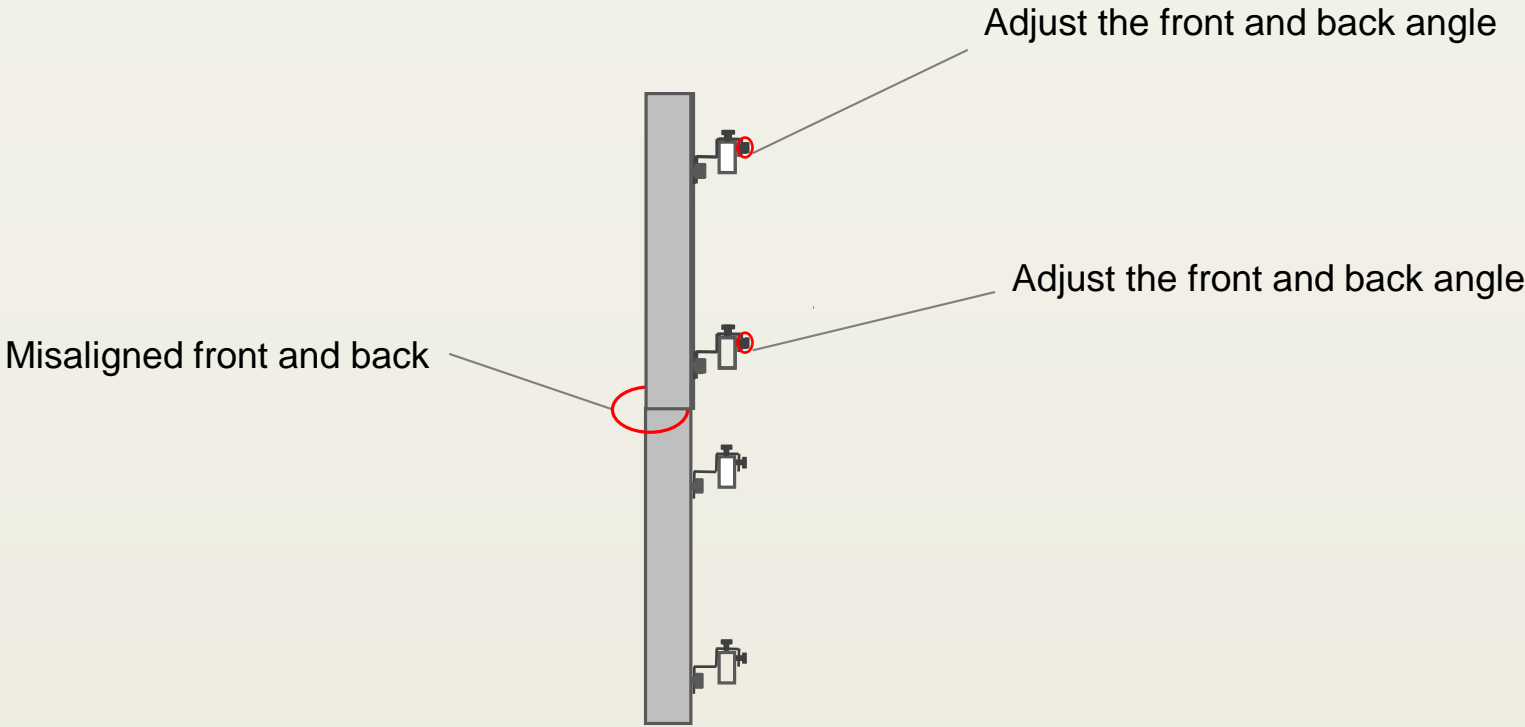
## ■ Adjust the horizontal angle

- By unscrewing the hook above screw to adjust the horizontal angle of screen.



# Install LCD video wall

## ■ Adjust the front and back angle

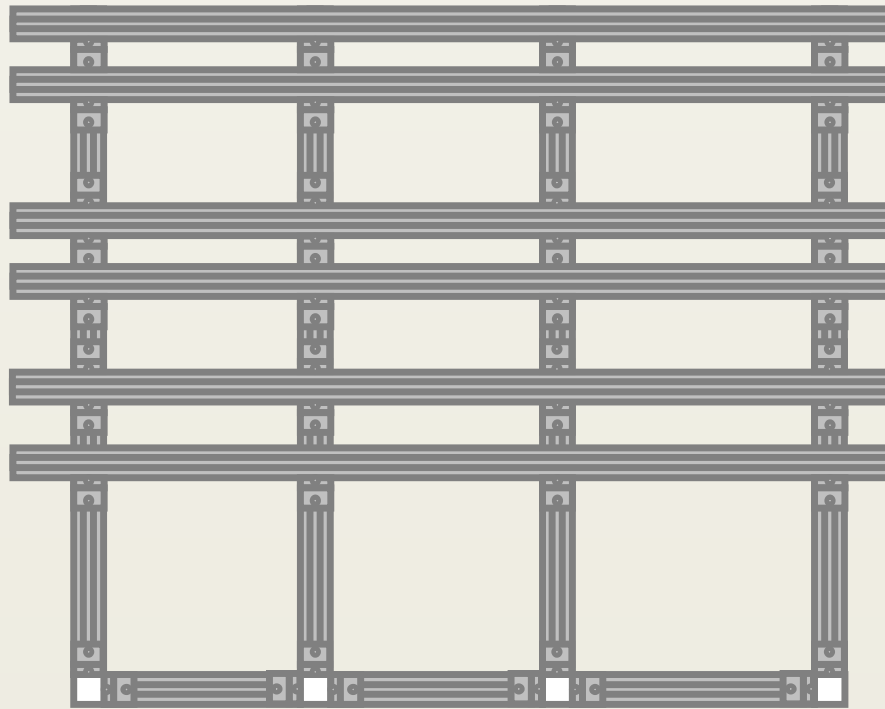
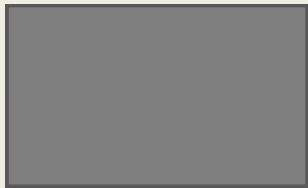


LCD video wall flank

# Install LCD video wall

## ■ Install diagram

- When install from the bottom to up, the installation time to adjust the angle of each screen.



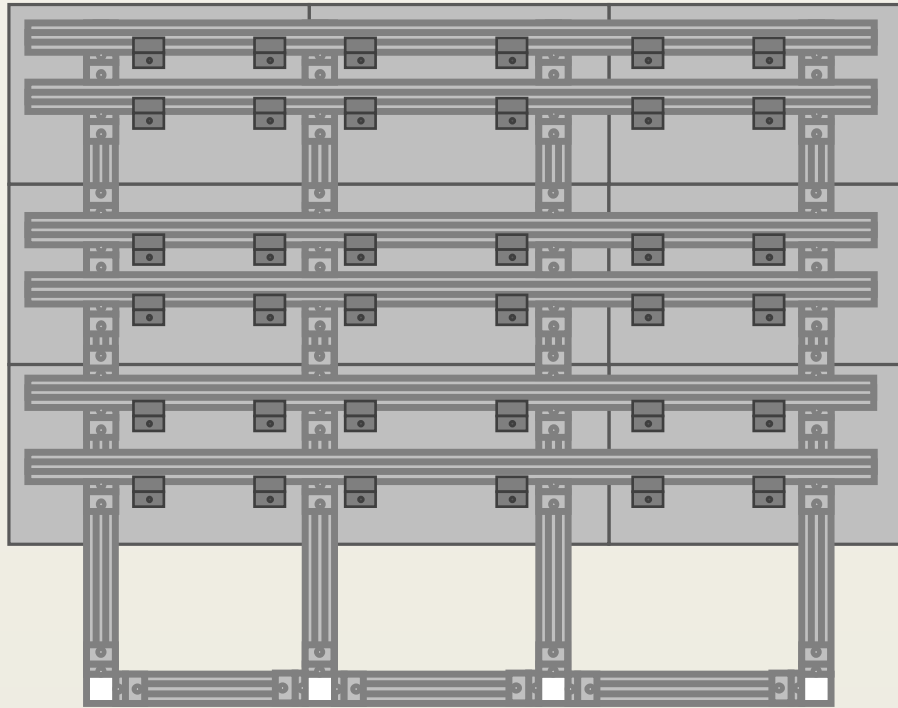
Note: Remove the protective film before hanging screen.

LCD video wall front diagram

# Install LCD video wall

## ■ Install diagram

- When install from the bottom to up, the installation time to adjust the angle of each screen.



LCD video wall back diagram

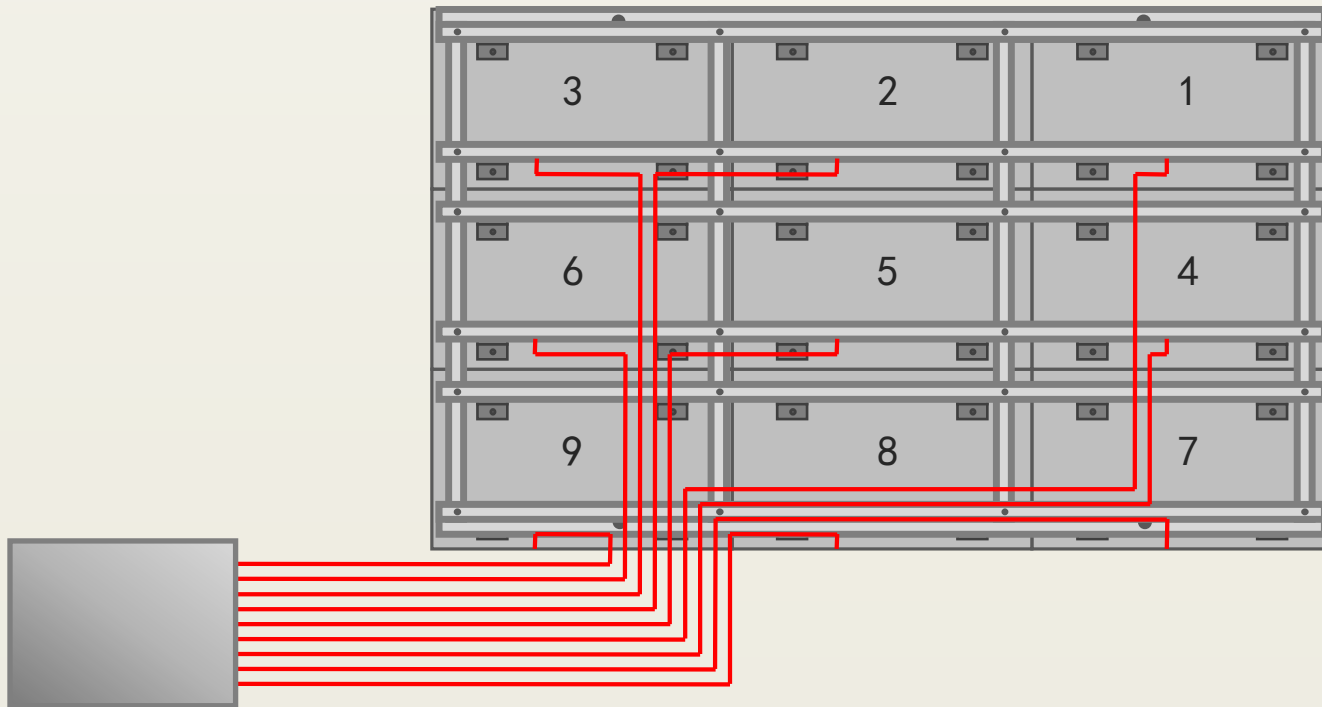


## ***3.4 Cable connection***

# Cable connection

## ■1 Video signal cable

- The video signal cable to connect video wall screens, and then with the video matrix or other device connection.

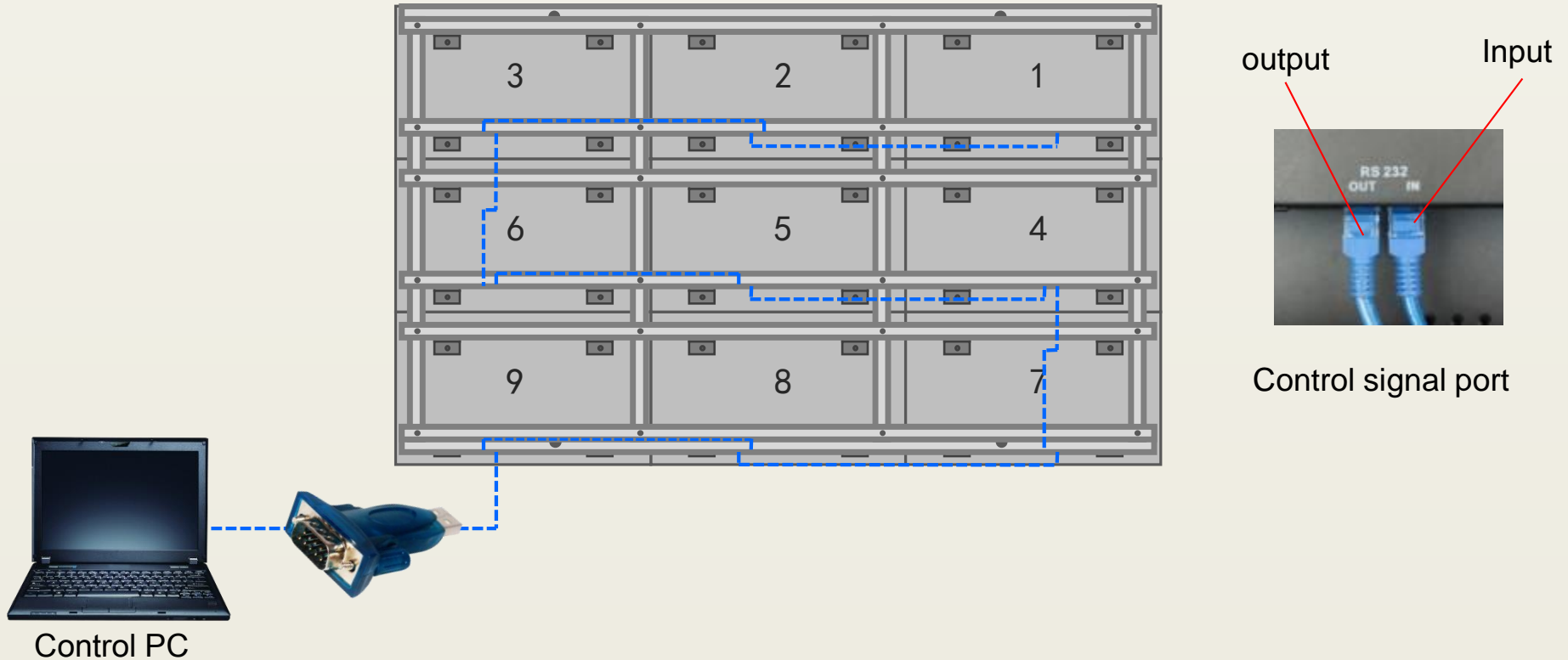


Video matrix

# Cable connection

## ■2 Control signal cable

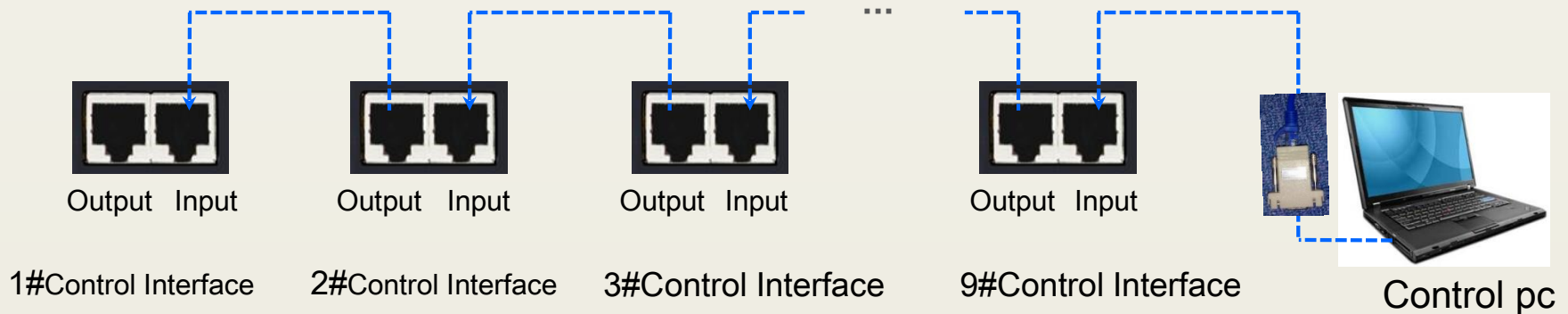
- The control signal lines (RJ45 LAN cable) to connect the 1st screen "Input Interface", the control signal lines the other end of connected to 2nd screen of the "Output interface", using concatenation approach.



# Cable connection

## ■2 Control signal cable

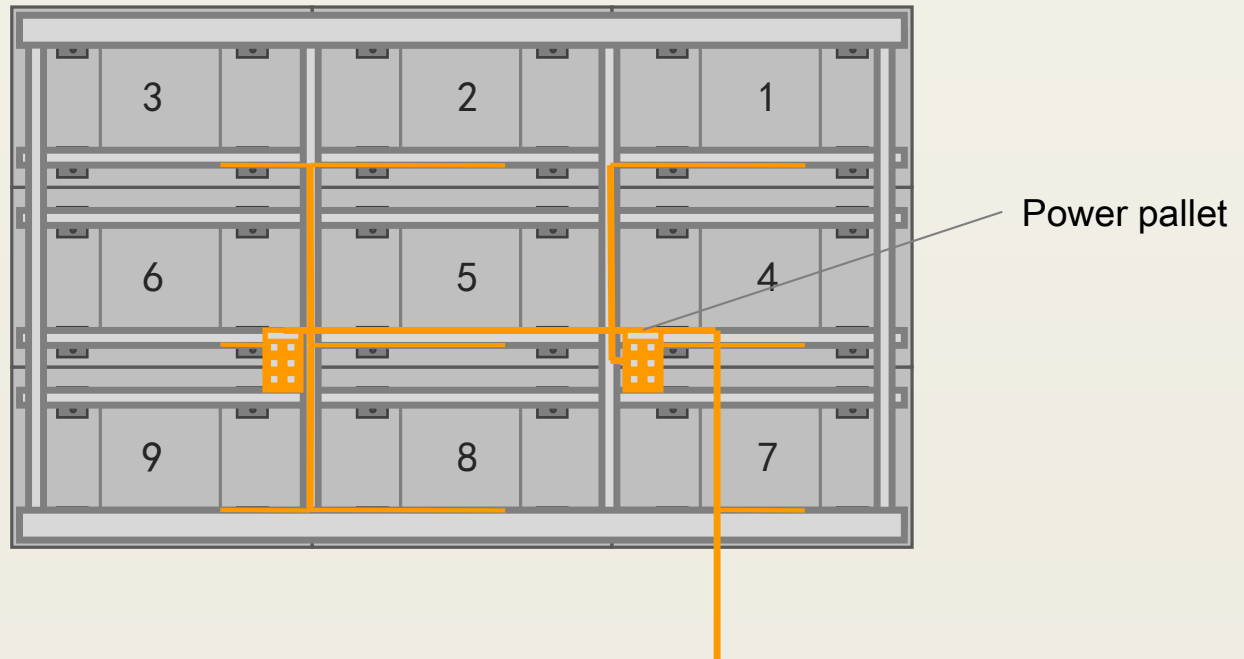
- The control signal lines (RJ45 LAN cable) to connect the 1st screen "Input Interface", the control signal lines the other end of connected to 2nd screen of the "Output interface", using concatenation approach.



# Cable connection

## ■3 Connection power cable

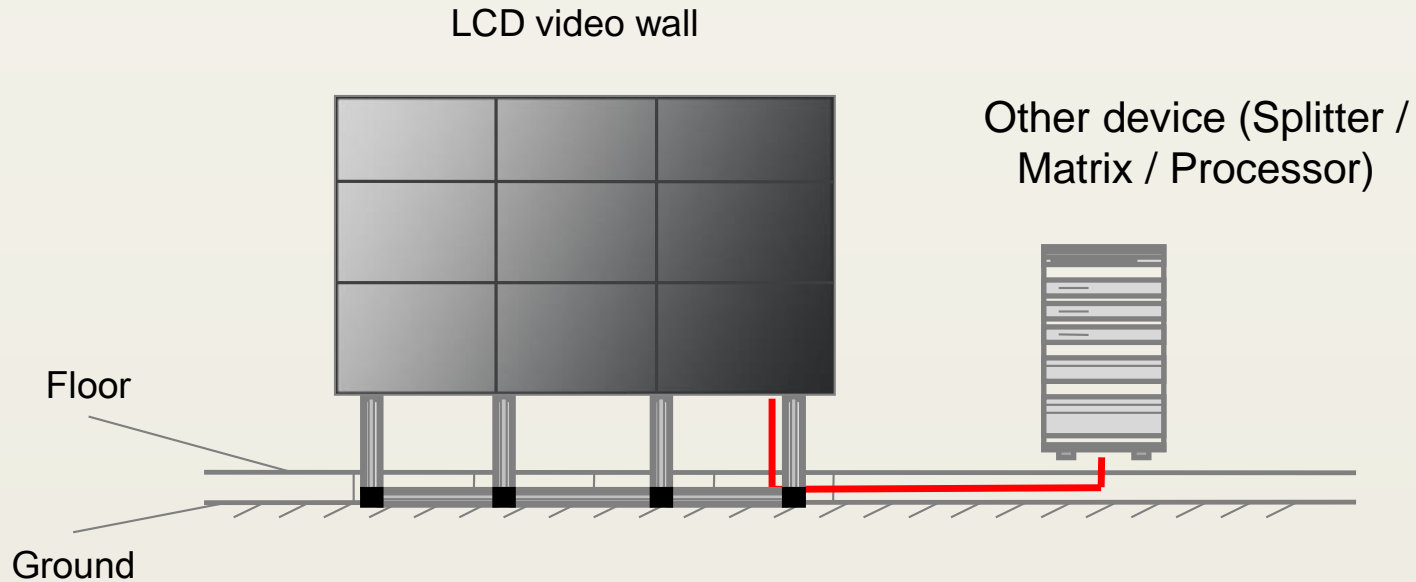
- Plug the power cord into the video wall screen power connector.
- Install the power pallet.



# Cable connection

## ■4 Signal cable connection

- Video wall screen to other device signal cable, Connected output interface of the other device

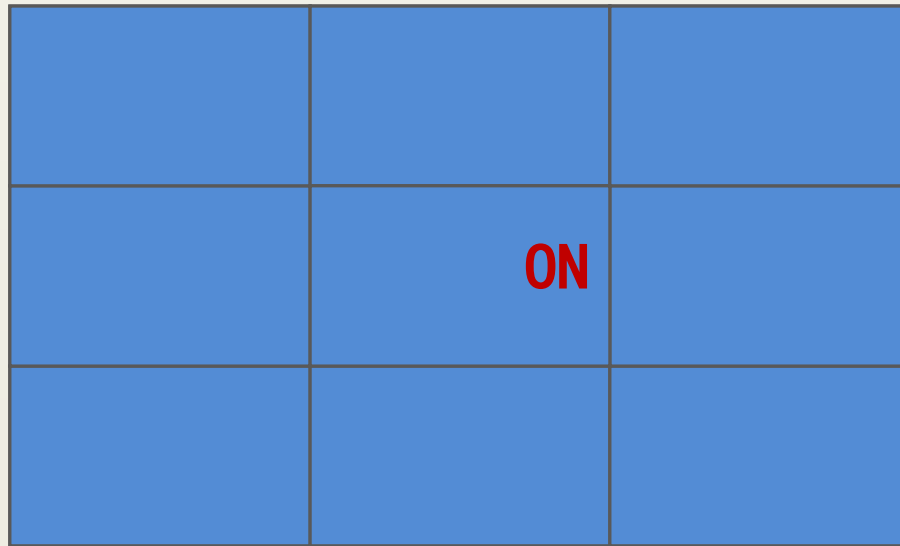


## ***3.5 Product Debug***

# Product Debug

## ■1 Power on

- To video wall screens energized in turn open the power switch on each screen.



LCD Video wall front

### Note:

- 1) Before energize check the power cord is connected properly with screen.
- 2) Do not all screens simultaneously energize.



# Product Debug

## ■ 2 LCD video wall unit components



Embed daisy chain vide wall processor – RJ45 Loop



Embed daisy chain vide wall processor – DVI Loop



LCD video wall unit

# Product Debug

## ■4 Install video wall software

- On the control PC install video wall control software (DDW-P600A,P600D) 。

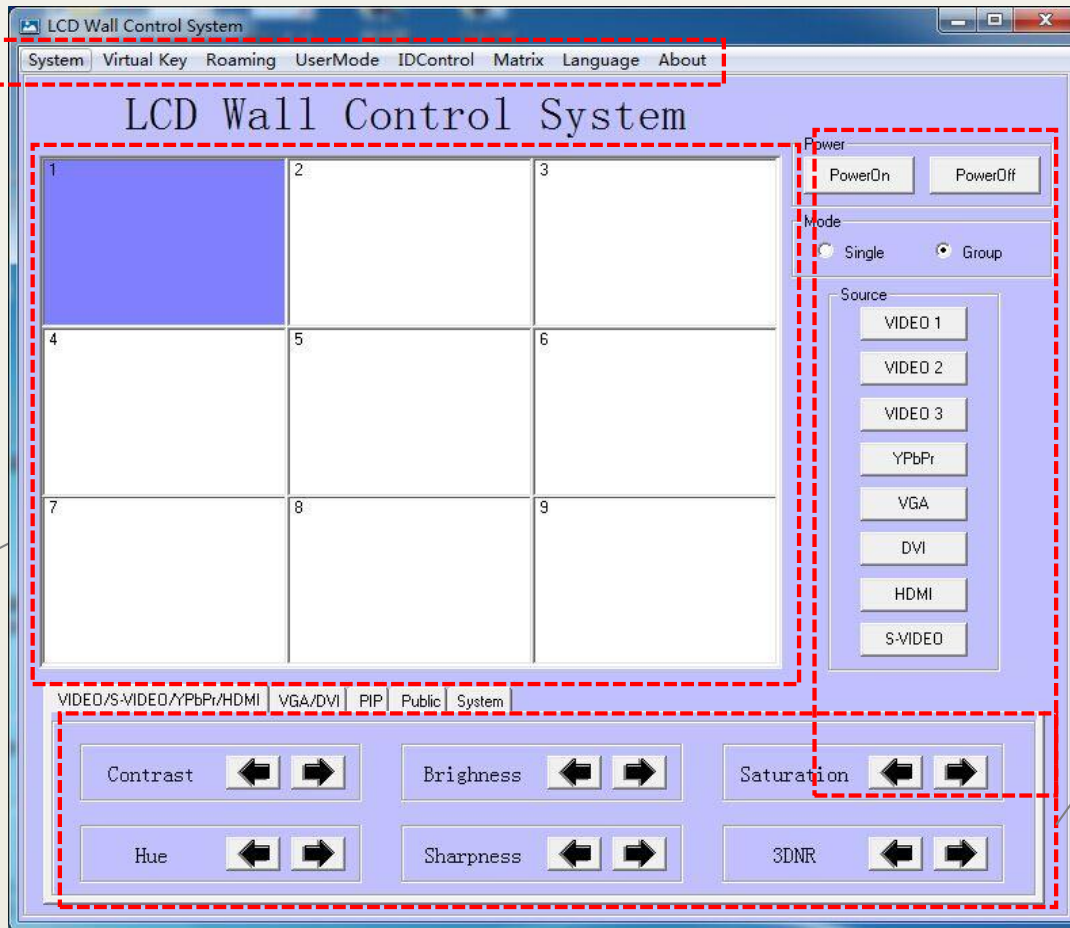


Video wall software icon

# Install and debug

## ■ 5 Control software interface

User title area



Operating area

Screen areas

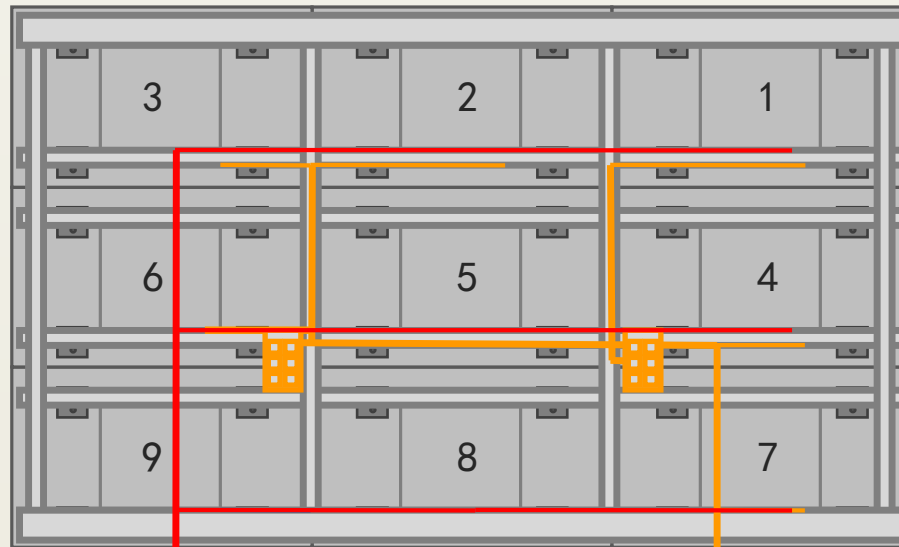
The main interface of the control software

## ***3.6 Management Cables***

# Management Cables

## ■ Management Cables

- **Products adjustment is completed, with ties to tie cables**
- **Video cable and control line to go outside of the main column. Power cord to go inside the main column.**



Access control PC or  
Other device (Splitter /  
Matrix / Processor)

Access 100-240V  
AC power