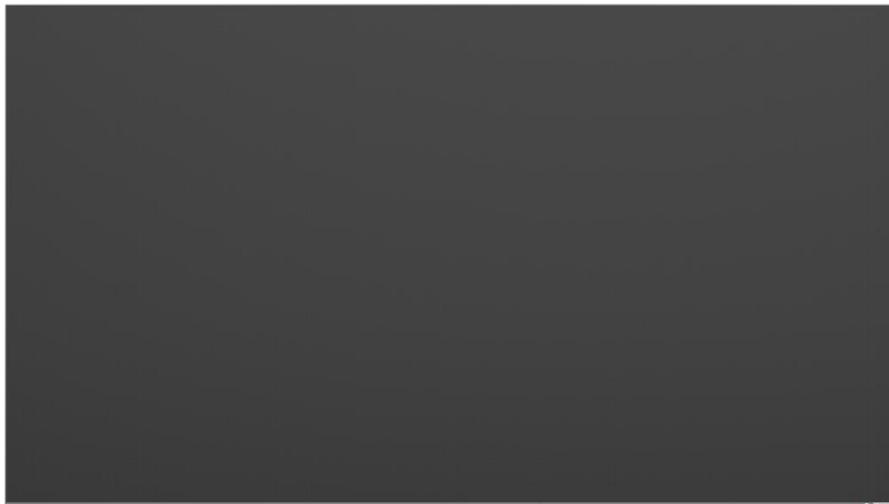


# **Absenicon 3.0**

## **C-Series Slim User Manual**



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## Safety Information



### WARNING!

Please read the **Safety Measures** listed in this section carefully before installing, switching on, operating and maintaining this product.

The following marks on the product and in this manual indicate important safety measures.



**WARNING!**  
Risk!  
Might cause equipment damage or risk!



**WARNING!**  
Please read the manual before operating!



**WARNING!**  
Dangerous Voltage!  
Might cause equipment damage or



**WARNING!**  
Hot Surface!  
Do not touch!



**WARNING!**  
Flammable!



**WARNING!**  
Possible damage to eyes



**Warning:** Be sure to understand and follow all safety guidelines, safety instructions, warnings and cautions in this manual.

- This product is for professional use only!
- This product will cause serious injury or even death due to burning, electric shock, or falling.



Please read this manual carefully before installing, supplying power, running, or debugging this product.



Beware of electric shock !

- To prevent electric shock, the equipment must be properly grounded during installation. Don't ignore the grounding plug The function of the head, otherwise there will be a danger of electric shock.
- When there is lightning, please disconnect the power supply of this device, or proother applicable lightning protection
- Please turn off the main switch during any installation and maintenance work (such as removing the fuse).
- When not using the product, or before disassembling or installing the product, disconnect the AC power supply.
- The AC power used must comply with local building and electrical codes and standards and must be equipped with overload and ground fault protection.
- The installation position of the main power switch should be close to the

product and in an obvious and easily accessible place.square. This can disconnect the power supply in time when a fault occurs.

- Before using this product, check that all power distribution equipment, cables and all

connecting devices conform to current requirements.

- Use a suitable power cord. Please use an appropriate power supply after budgeting the power and current and make sure that the power cord is not damaged, aging, or damp. If you find any overheating, please immediately replace.
- If you encounter other questions, please consult a professional.



Beware of fire!

- To avoid fire caused by overload of power cables, use circuit breakers or fuses for protection.
- Keep good ventilation around the screen, controller, power supply and other products, at least 0.1 meters away from other items space.
- Do not hang any objects on the screen.
- Do not modify the product, do not add or remove parts.
- Do not use in the environment where the temperature exceeds 55 degrees Celsius.



Beware of injuries!

- Warning: Wear a safety helmet to avoid personal injury.
  - Ensure that any structure used for support and all fixings and connections can bear at least ten times the weight of all equipment.
- 
- When stacking products, hold the products firmly to prevent them from tipping or falling.
  - Ensure that all parts of the product are installed firmly and the steel structure is installed firmly.
- 
- When installing, debugging, and moving products, ensure that the work area is isolated and the work platform is firm.
  - Without proper eye protection, please do not look directly at the lit screen within 1 meter.
  - Do not use any optical equipment with a light-gathering function to watch the screen, so as not to burn your eyes.



Warning: Pay attention to the suspended load.



The LED lights used in the module are easily damaged by ESD (electrostatic discharge). To prevent damage to the LED lights, Do not touch the device during operation or when it is turned off.



Warning: The manufacturer is not responsible for incorrect, inappropriate, irresponsible or unsafe system assembly behavior.



Dispose of the product

- For detailed information on collection, reuse and recycling, please contact your local or regional waste management unit.
- If you need detailed information on the environmental performance of our products, please contact us.

# 1. Product introduction

Absenicon C series standard conference screen is Absenicon's own research and development of document display, high-definition projection screen, video conferencing applications as one of the LED intelligent conference terminal products, can meet the high-end enterprises and institutions conference room, ladder classroom, lecture hall, exhibition display and other multi-scene needs.

Absenicon C-Series conference screen solutions will create a bright, open, efficient and intelligent meeting environment that enhances audience attention, strengthens the impact of presentations and improves meeting efficiency.

Absenicon C series conference screens bring a new large-screen visual experience to meeting rooms, allowing the content of speakers' smart terminals to be projected onto the conference screen in real time, without complicated cable connections, and easily achieving wireless screen projection from Windows, Mac OS, iOS and Android multi-platform terminals. At the same time, it provides 4 scene modes for different conference application scenarios, allowing document presentation, video playback and teleconference, all matching the best display effect. The maximum four-screen fast screen casting and switching function meets various scenarios of conference applications, and is widely used in commercial conference scenarios in government and enterprise, design, medical and education industries.

## 1.1 Main product features

1. The front of the screen body adopts a minimalist design, with a screen-to-body ratio of 98%, no superfluous complex design on the front of the screen body except for the switch button, giant screen interaction, breaking the boundaries of space and immersive experience;
2. the back of the screen body design from lightning, blurring the concept of single box splicing, enhance the integration of minimalist design, increase the texture to enhance heat dissipation performance, every detail is a display of art, shocking the eyes;
3. soft adjustable brightness range 0~600nit, blue light protection, bring comfortable experience;
4. ultra-high contrast ratio 5000:1, 110% NTSC wide colour gamut, presenting colorful, visible details in front of the eyes;
5. 160° ultra-wide display angle, everyone is C-position
6. 28.5mm ultra-thin body, 5mm ultra-narrow bezel
7. Built-in Android 8.0 system, 4G+16G running storage memory, support optional Windows 10, intelligent system superb experience;
8. Support computer, mobile phone, PAD multi-device screen transfer, support four screens on the screen, interface layout adjustment;
9. Support sweep screen casting, no need to set up WIFI connection and other complicated steps to achieve one-key screen casting;
10. support for one-key screen transfer, access to the transmitter drive-free installation, one-key screen casting;
11. no "limit" Internet, cast screen does not affect the work, real-time web browsing information reply;
12. Provides 4 scene modes, whether it is document presentation, video playback, remote meeting, can match the best display effect, let every moment enjoy the comfort, built-in a variety of VIP welcome template, fast and efficient to add sincere atmosphere;
13. Support remote control, brightness adjustment, signal source switching, colour temperature adjustment and other operations, wonderful control;
14. Rich interface, providing professional support;
15. a variety of installation methods to meet your any installation needs, 2 people 2 hours fast installation, support completely before the maintenance mode;

## 1.2 Product specifications

Projects	Model	Absenicon3.0 C110S	Absenicon3.0 C138S	Absenicon3.0 C165S
Display parameters	Size (inches)	110	138	165
	Display area (mm)	2440*1372	3050*1715	3660*2058
	Overall machine dimensions (mm)	2450×1400×28.5	3060*1743×28.5	3670×2086×28.5
	Resolution	1920x1080		

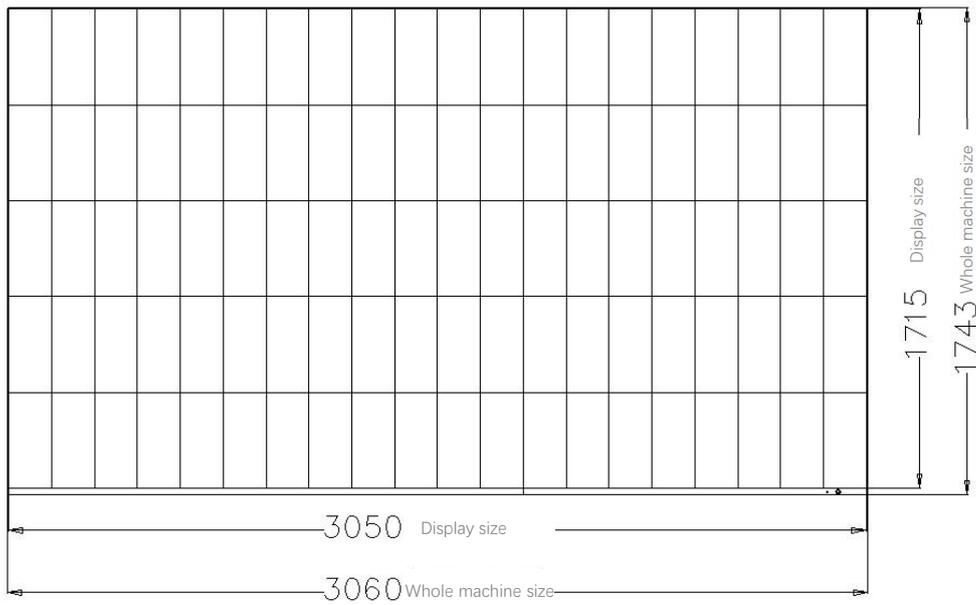
	Standard brightness	600nit		
	Contrast ratio	4000:1	5000:1	4000:1
	Colour gamut width NTSC	110%		
Power parameters	Input power	AC 100-240V		
	Average power (W)	584	667	800
	Maximum power (W)	1750	2000	2400
System parameters	Android	Android8.0		
	Processing core	1.7G 64-bit quad-core processor, Mail T820 GPU		
	System memory	DDR4-4GB		
	Storage capacity	16GB eMMC5.1		
	Control interface	MiniUSB*1, RJ45*1		
	Input and output interfaces	HDMI2.0 IN*3, USB2.0*1, USB3.0*1, Audio OUT*1, SPDIF OUT*1, RJ45*1(Network and control automatically shared)		
OPS	Optional	Support		
Environmental parameters	Operating temperature	-10°C ~ 40°C		
	Working humidity	10 ~ 80%RH		
	Storage temperature	-40°C ~ 60°C		
	Storage humidity	10% ~ 85%		

NOTE: POWER WILL FLUCTUATE WITHIN  $\pm 15\%$  DEPENDING ON THE BRIGHTNESS OF DIFFERENT BATCHES OF LIGHTS, SUBJECT TO ACTUALITY.

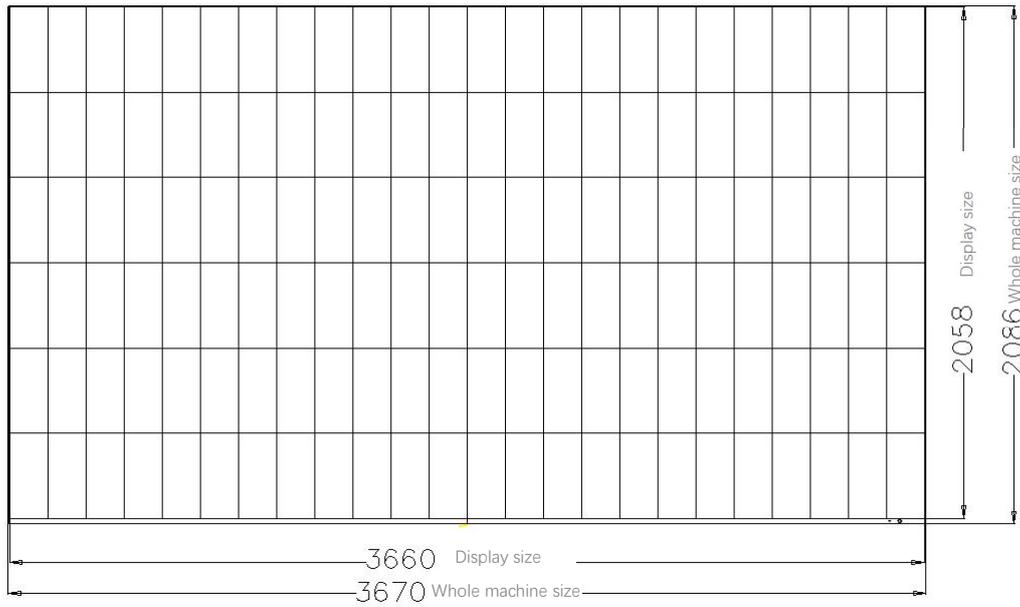
### 1.3 Screen size diagram (mm)



C110S front view



C138S front view

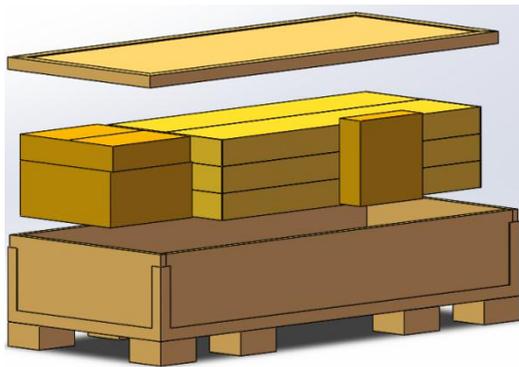


C165S front view

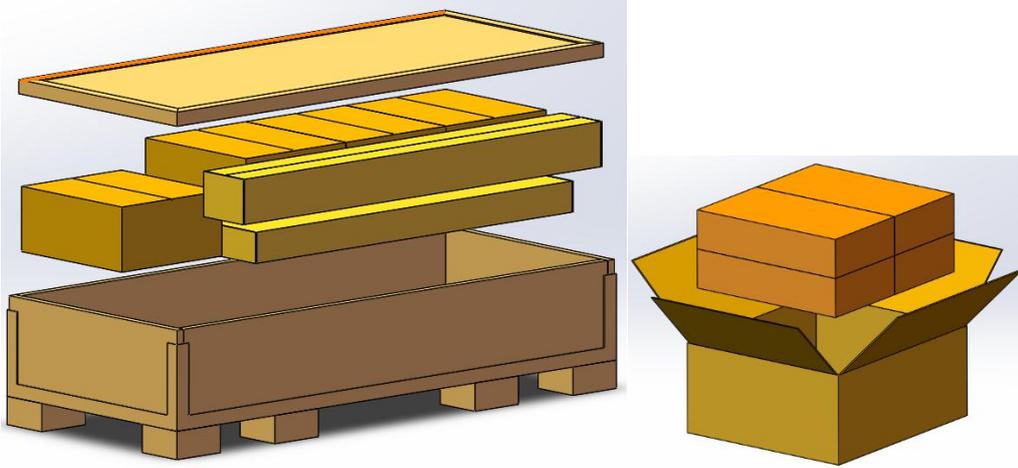
### 1.4 Standard packaging

All-in-one product packaging consists of 3 main parts: box/module packaging (1\*4 modular packaging) + mounting structure packaging (wall mounting + wraparound)

3 x 1\*4 boxes + complimentary packing into honeycomb box, external dimensions: 2010\*870\*500mm



1 x 1\*4 box + 4 x 4\*1\*4 module packs + wrapped edges into honeycomb box, external dimensions: 2010\*870\*500mm



Installation of structural packaging

## 2. Product installation

This product supports wall mounting only

Recommended thickness from the wall: screen body 28.5mm, wall bracket 30mm, code block + safety distance 8mm = 66.5mm, recommended 71.5-76.5mm

### 2.1 Installation instructions

This product has been calibrated in its entirety. To ensure the best display, it is recommended that it be installed in accordance with our logo sequence number.

Installation numbering diagram (front view):

1-1-1-1	1-1-1-2	1-1-1-3	1-1-1-4	1-1-2-1	1-1-2-2	1-1-2-3	1-1-2-4	1-1-3-1	1-1-3-2	1-1-3-3	1-1-3-4	1-1-4-1	1-1-4-2	1-1-4-3	1-1-4-4
1-1-1				1-1-2				1-1-3				1-1-4			
1-2-1-1	1-2-1-2	1-2-1-3	1-2-1-4	1-2-2-1	1-2-2-2	1-2-2-3	1-2-2-4	1-2-3-1	1-2-3-2	1-2-3-3	1-2-3-4	1-2-4-1	1-2-4-2	1-2-4-3	1-2-4-4
1-2-1				1-2-2				1-2-3				1-2-4			
1-3-1-1	1-3-1-2	1-3-1-3	1-3-1-4	1-3-2-1	1-3-2-2	1-3-2-3	1-3-2-4	1-3-3-1	1-3-3-2	1-3-3-3	1-3-3-4	1-3-4-1	1-3-4-2	1-3-4-3	1-3-4-4
1-3-1				1-3-2				1-3-3				1-3-4			
1-4-1-1	1-4-1-2	1-4-1-3	1-4-1-4	1-4-2-1	1-4-2-2	1-4-2-3	1-4-2-4	1-4-3-1	1-4-3-2	1-4-3-3	1-4-3-4	1-4-4-1	1-4-4-2	1-4-4-3	1-4-4-4
1-4-1				1-4-2				1-4-3				1-4-4			

No. Description:

The first digit is the screen number; the second digit is the box row number, from top to bottom, with the first row at the top; the third digit is the box column number:

For example, 1-1-2 is the first row and second column at the top of the first screen;

For example, 3-4-5 is the fourth row and fifth column of the third screen

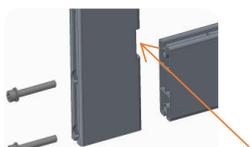
## 2.2 C110S wall mounted version installation

### 2.2.1 Mounting brackets

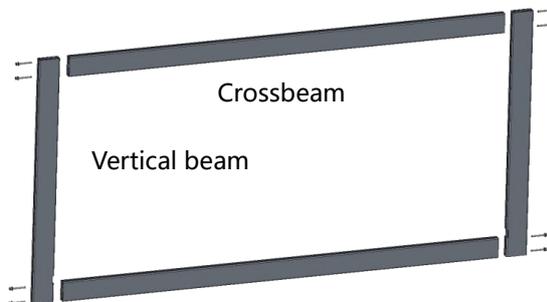
Remove the back frame from the box, including the horizontal and vertical beams. Set up on the floor with the front side facing up (the side with the silkscreened logo on the crossbeam is the front);

Assembling the four sides of the back frame, including two horizontal beams, two vertical beams and eight M8 screws.

Crossbeam with safety screw hole side facing up

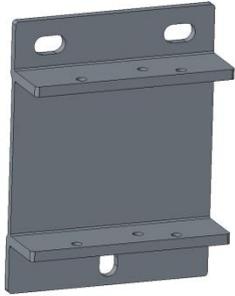


Vertical beam with notched side facing inwards

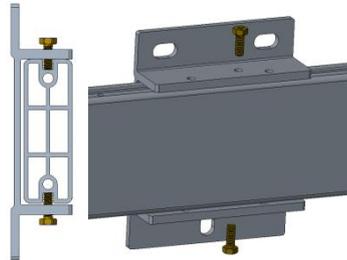


**2.2.2 Installation of back frame fixing angle code**

(1) Instructions for installing the back frame fixing angle code;

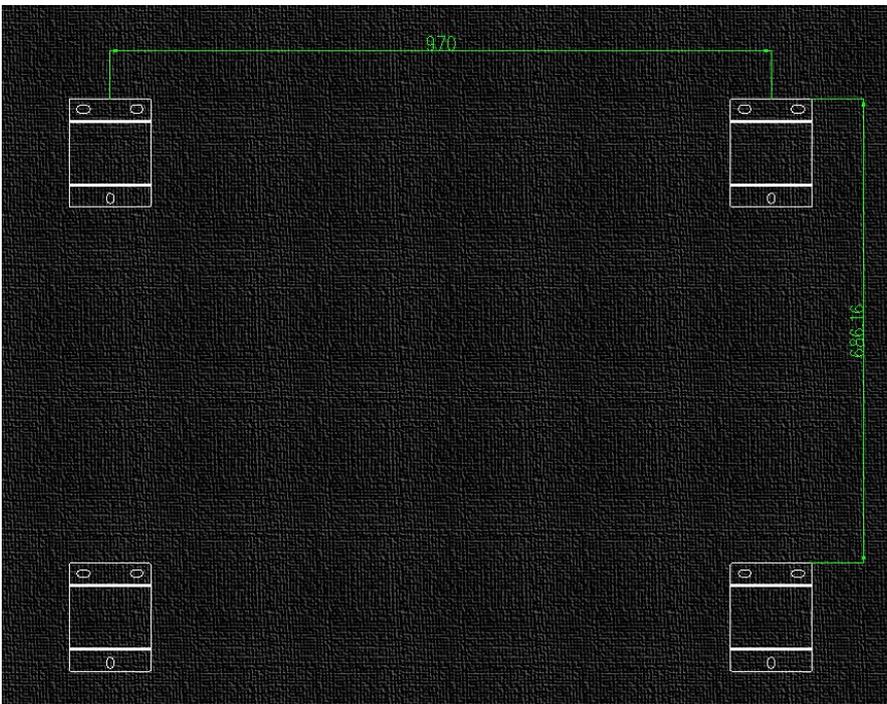


Back bracket fixing angle code  
(each secured with 3 x M8 expansion screws)



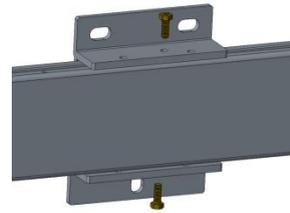
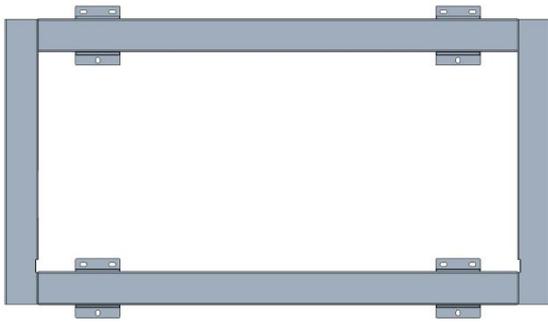
Once the corner yards are installed, fit the back hangers, using 2 M6\*16 in each position  
Screwed in place (screwed into a groove in the crossbar, clamped top and bottom)

(2) After confirming the back frame fixed corner code installation position and screen body position, the wall is perforated to install the fixed corner code (only 4 corner codes on all sides can be installed when the wall has better load-bearing capacity);



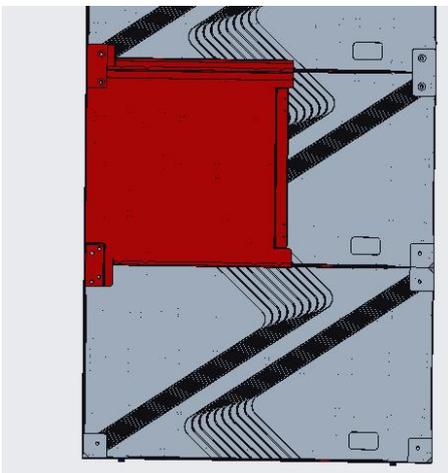
**2.2.3 Fixed wall bracket**

After the corner code has been installed, install the wall bracket and fix it with 2 M6\*16 screws in each position, clamping it at the top and bottom.

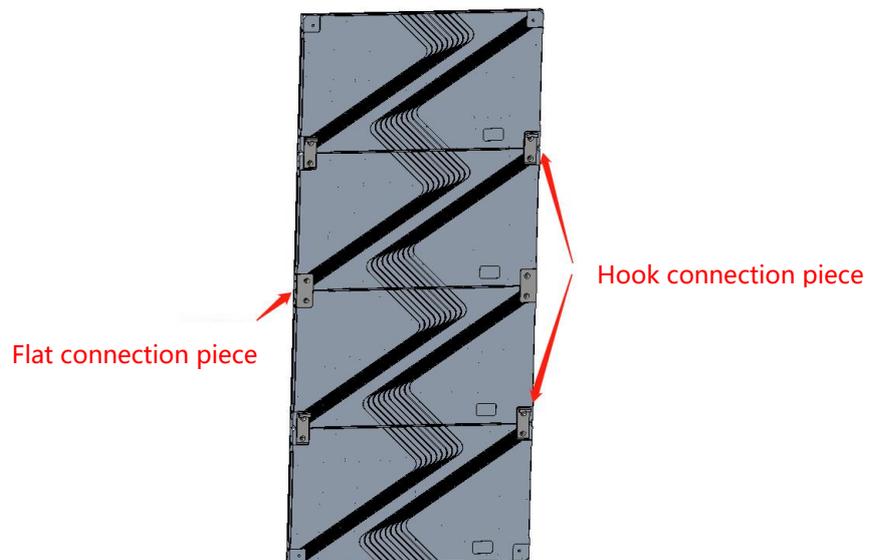


### 2.2.4 Mounting the box

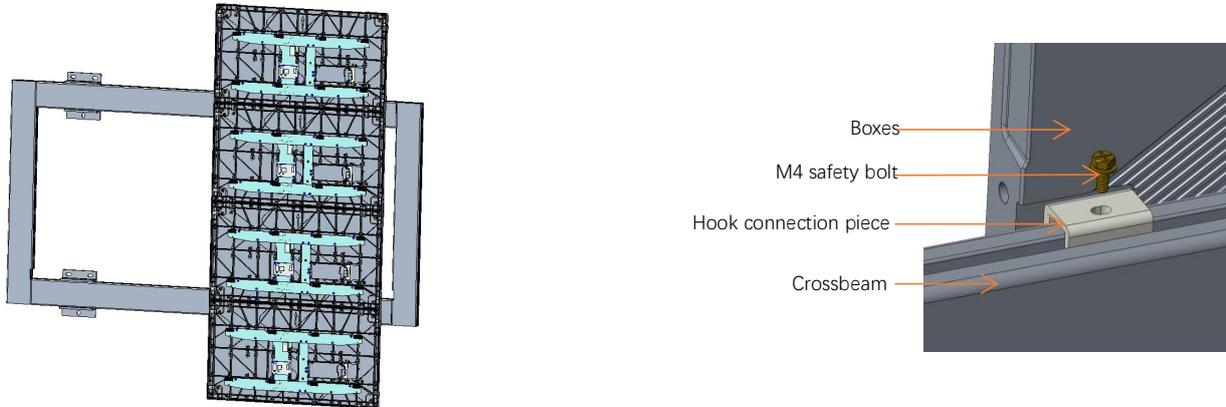
(1) Fix the control box bracket to the rightmost column (front view) box and the penultimate box below with 4 M6 screws



(2) Hang the middle row of boxes first, with the hook connection piece on the back of the box hooked into the groove of the back frame cross member profile. Move the box position so that it is centred and aligned with the marked line on the crossbeam;

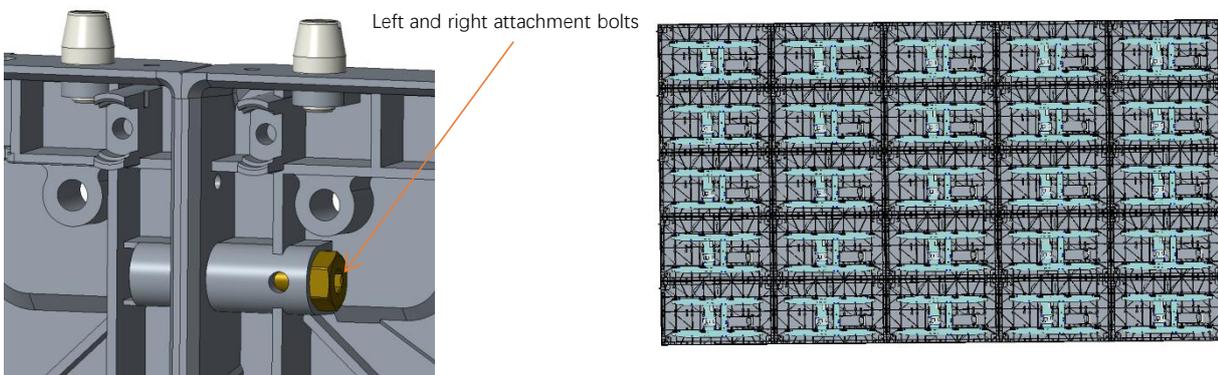


(3) Installation of four M4 security screws after the box has been hung;



Note: The internal structure is based on the actual object.

(4) hang the left and right sides of the box in turn, lock the box on the left and right connecting bolts, the screen body four corner hook connection piece for the flat connection piece;



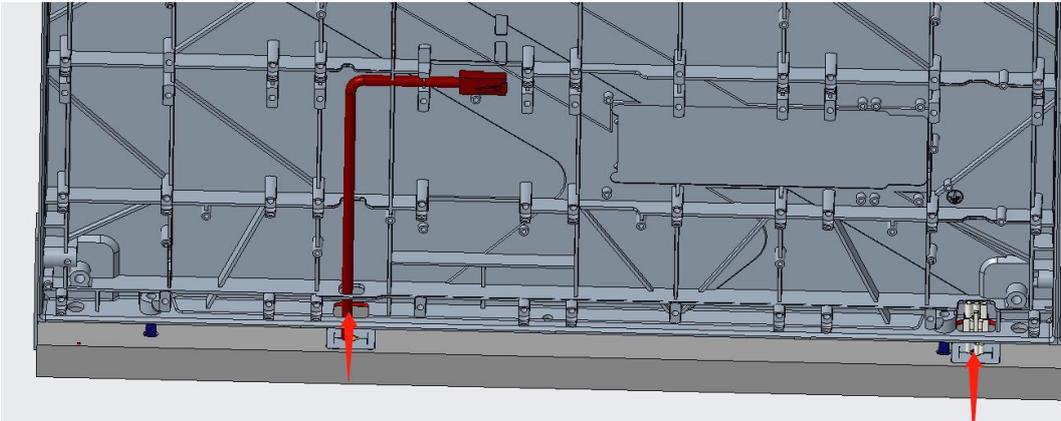
Note: The internal structure is based on the actual object.

### 2.2.5 Installing the package edge

(1) Install the screen body lower wraparound. Connect the main network cable and main power cable to the lower wraparound. (Note that the short network cable connects to the box near the control box and the long network cable connects to the box further away)



(2) The lower wraparound section is installed with the screen body, after passing the network cable and power cable through the box, lock the fixing screws (8 M6 flat head screws) of the lower wraparound and the box body;



Note: The internal structure is based on the actual object.

(3) Connect the lower wrap-around network cable and the power cable to the interface inside the box in a fixed way

(4) Install the left, right and top wraps, using circlip springs to catch the pin screws on the wraps and press down to secure them, and one KM3x12 screw at the bottom of each of the left and right wraps;



## 2.2.6 Mounting the module

Install the modules in order of numbering.

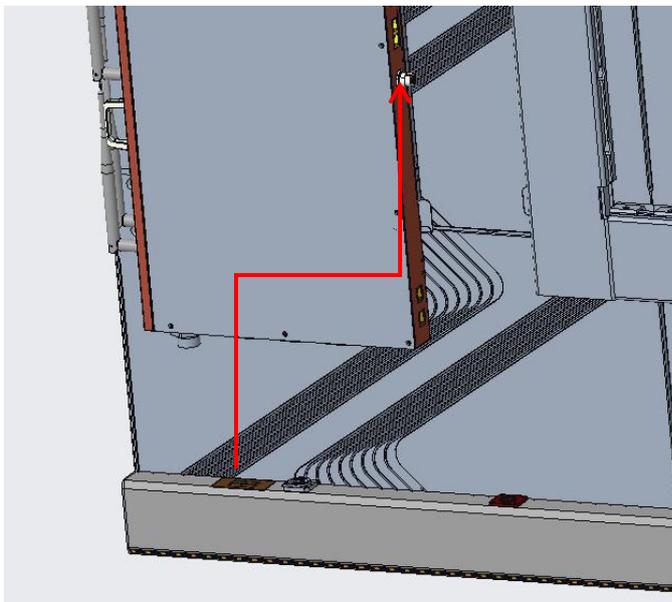
1-1-1-1	1-1-1-2	1-1-1-3	1-1-1-4	1-1-2-1	1-1-2-2	1-1-2-3	1-1-2-4	1-1-3-1	1-1-3-2	1-1-3-3	1-1-3-4	1-1-4-1	1-1-4-2	1-1-4-3	1-1-4-4
1-1-1				1-1-2				1-1-3				1-1-4			
1-2-1-1	1-2-1-2	1-2-1-3	1-2-1-4	1-2-2-1	1-2-2-2	1-2-2-3	1-2-2-4	1-2-3-1	1-2-3-2	1-2-3-3	1-2-3-4	1-2-4-1	1-2-4-2	1-2-4-3	1-2-4-4
1-2-1				1-2-2				1-2-3				1-2-4			
1-3-1-1	1-3-1-2	1-3-1-3	1-3-1-4	1-3-2-1	1-3-2-2	1-3-2-3	1-3-2-4	1-3-3-1	1-3-3-2	1-3-3-3	1-3-3-4	1-3-4-1	1-3-4-2	1-3-4-3	1-3-4-4
1-3-1				1-3-2				1-3-3				1-3-4			
1-4-1-1	1-4-1-2	1-4-1-3	1-4-1-4	1-4-2-1	1-4-2-2	1-4-2-3	1-4-2-4	1-4-3-1	1-4-3-2	1-4-3-3	1-4-3-4	1-4-4-1	1-4-4-2	1-4-4-3	1-4-4-4
1-4-1				1-4-2				1-4-3				1-4-4			

### 2.2.7 Installing the control box

(1) Connect the control box network cable. Connect from port 1 in order of proximity to the control box



(2) Connect the IR extension cable and the power cable of the box



(3) Assemble the control box by following the control box slide

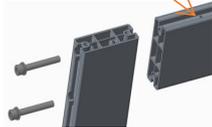
## 2.3 C138S wall mounted version installation

### 2.3.1 Mounting brackets

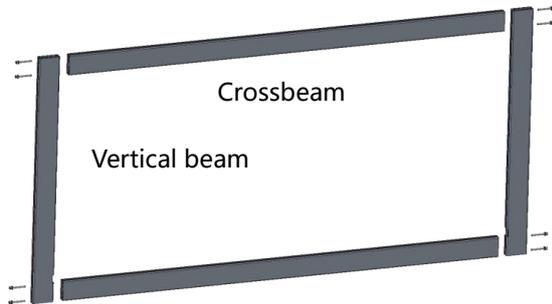
Remove the back frame from the box, including the horizontal and vertical beams. Set up on the floor with the front side facing up (the side with the silkscreened logo on the crossbeam is the front);

Assembling the four sides of the back frame, including two horizontal beams, two vertical beams and eight M8 screws.

Crossbeam with safety screw hole side facing up

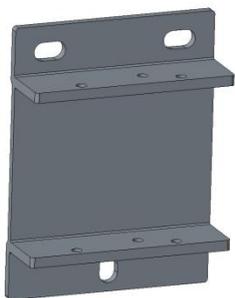


Vertical beam with notched side facing inwards

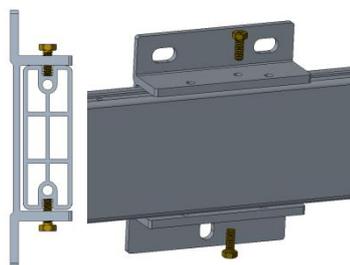


### 2.3.2 Installation of back frame fixing angle code

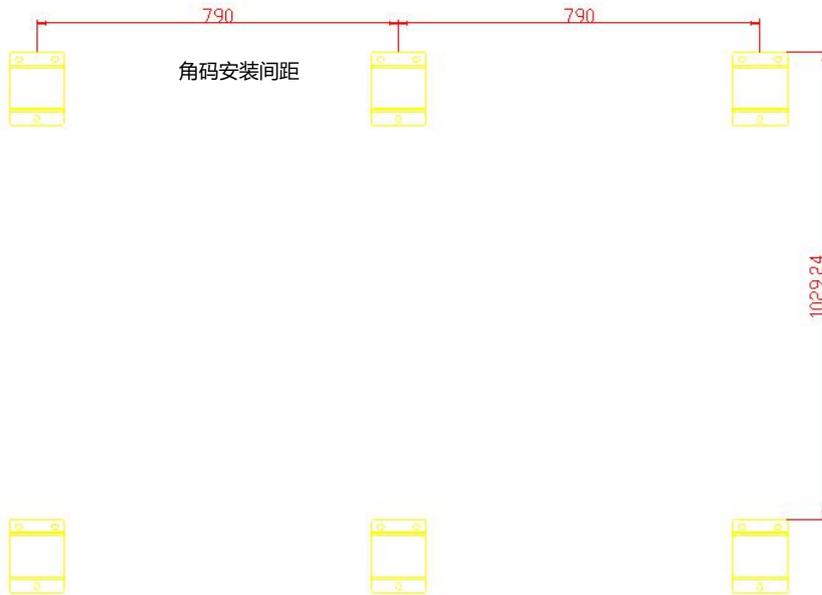
(1) Instructions for installing the back frame fixing angle code;



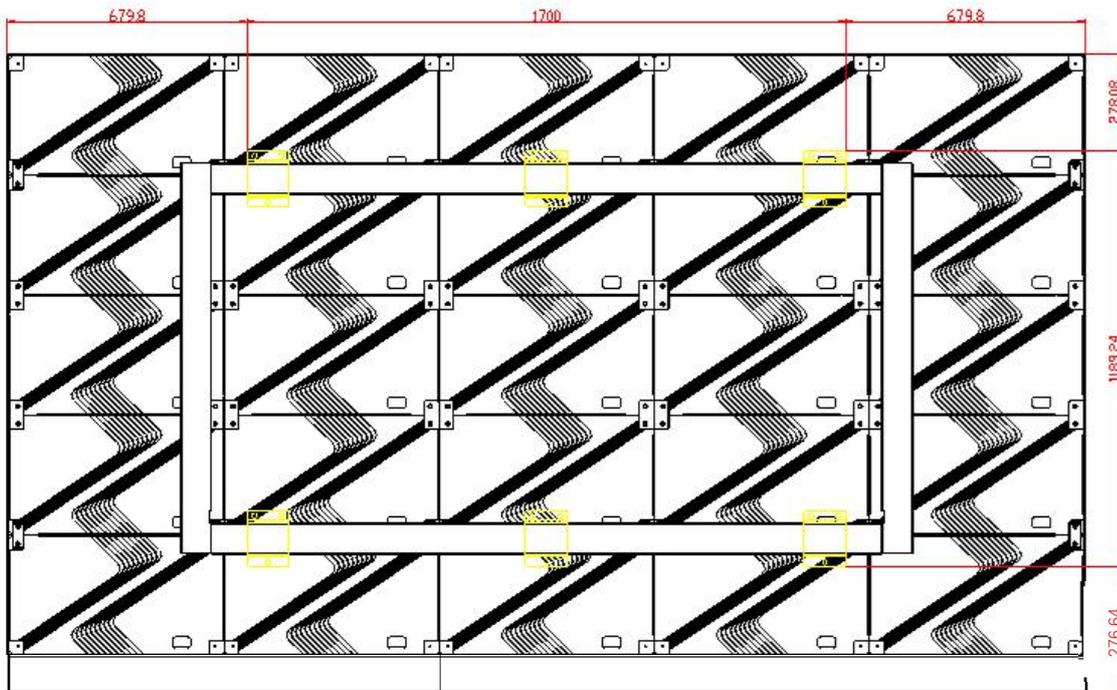
Back bracket fixing angle code  
(each secured with 3 x M8 expansion screws)



Once the corner yards are installed, fit the back hangers, using 2 M6\*16 in each position  
Screwed in place (screwed into a groove in the crossbar, clamped top and bottom)

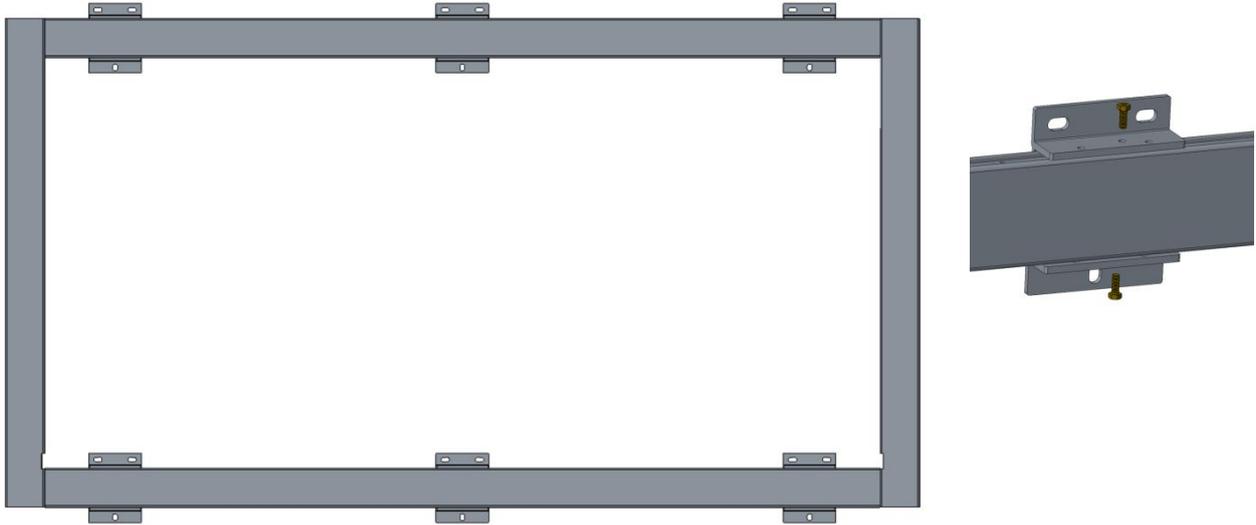


(2) After confirming the installation position of the fixed corner code of the back frame and the position of the screen, holes are punched in the wall to install the fixed corner code (only four corner codes can be installed on all sides when the wall has a better load-bearing capacity);



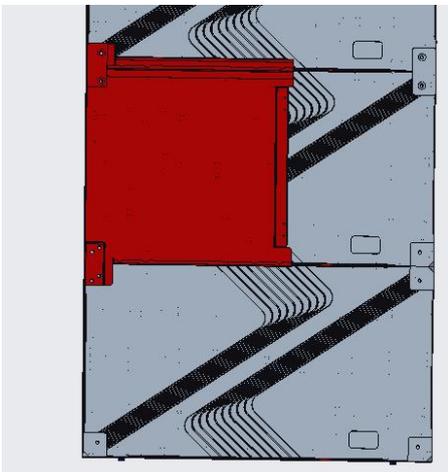
### 2.3.3 Fixed wall bracket

After the corner code has been installed, install the wall bracket and fix it with 2 M6\*16 screws in each position, clamping it at the top and bottom.

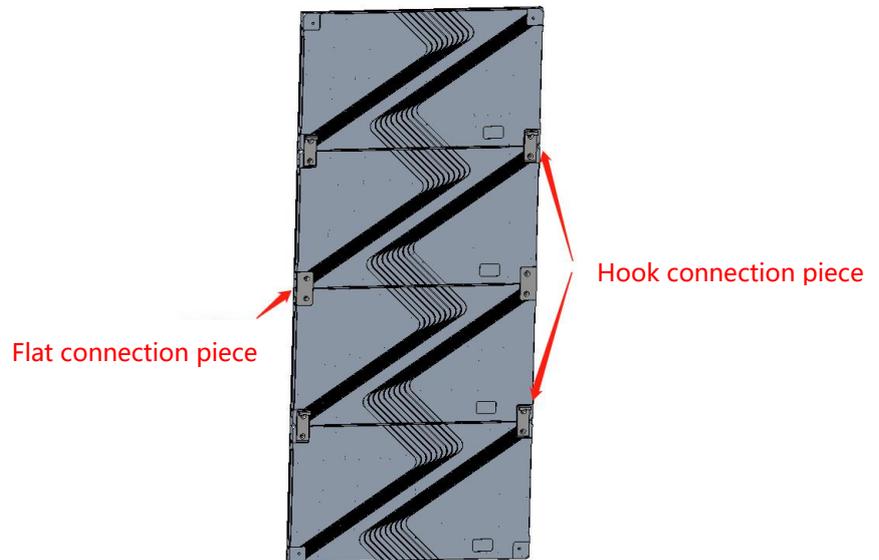


### 2.2.4 Mounting the box

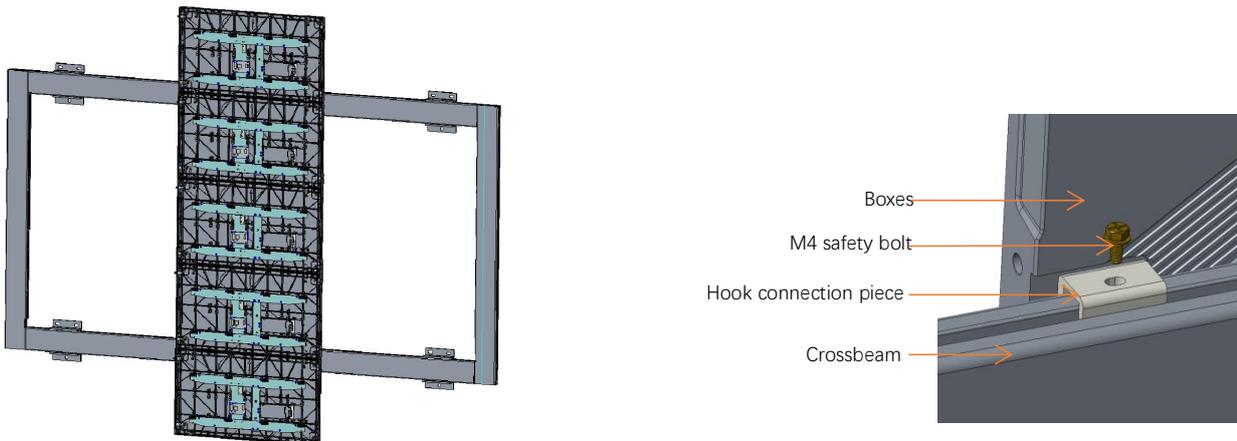
(1) Fix the control box bracket to the rightmost column (front view) box and the penultimate box below with 4 M6 screws



(2) Hang the middle row of boxes first, with the hook connection piece on the back of the box hooked into the groove of the back frame cross member profile. Move the box position so that it is centred and aligned with the marked line on the crossbeam;

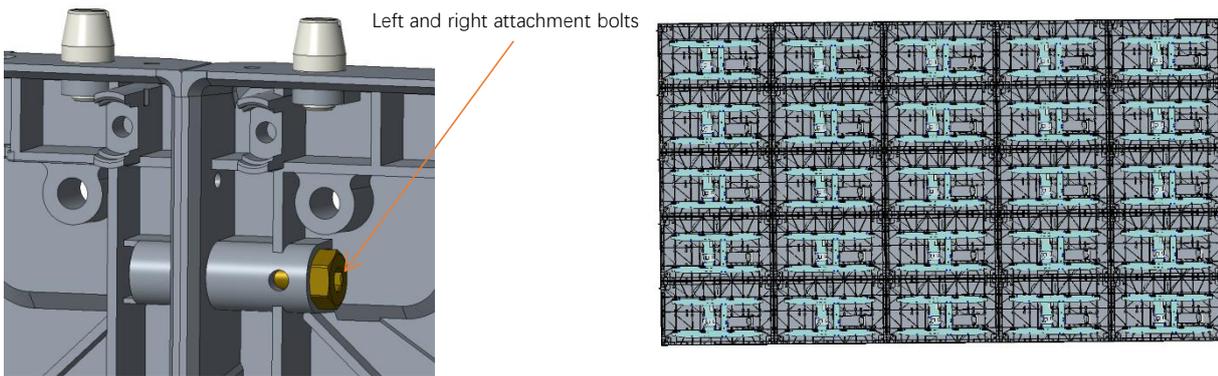


(3) Installation of four M4 security screws after the box has been hung;



Note: The internal structure is based on the actual object.

(4) hang the left and right sides of the box in turn, lock the box on the left and right connecting bolts, the screen body four corner hook connection piece for the flat connection piece;



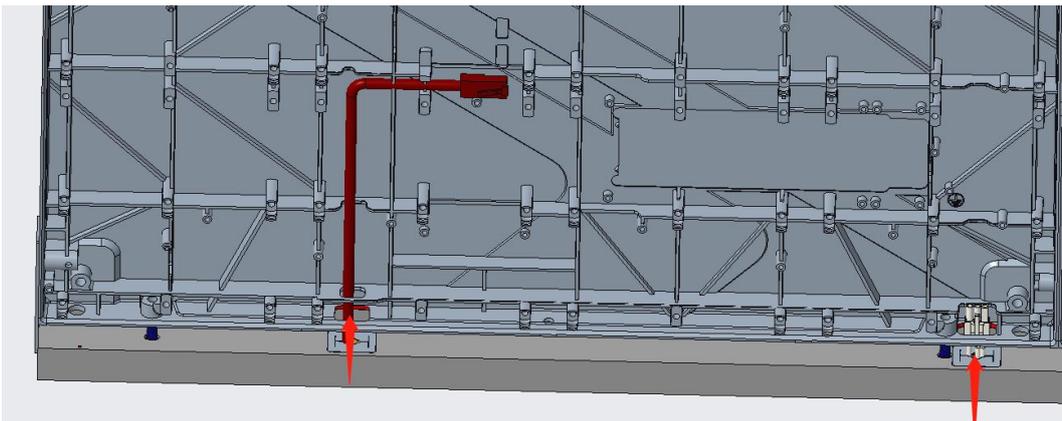
Note: The internal structure is based on the actual object.

### 2.3.5 Installing the package edge

(1) Install the screen body lower wraparound. Connect the main network cable and main power cable to the lower wraparound. (Note that the short network cable connects to the box near the control box and the long network cable connects to the box further away)



(2) The lower wraparound section is installed with the screen body, after passing the network cable and power cable through the box, lock the fixing screws (8 M6 flat head screws) of the lower wraparound and the box body;



Note: The internal structure is based on the actual object.

(3) Connect the lower wrap-around network cable and the power cable to the interface inside the box in a fixed way

(4) Install the left, right and top wraps, using circlip springs to catch the pin screws on the wraps and press down

to secure them, and one KM3x12 screw at the bottom of each of the left and right wraps;



**2.3.6 Mounting the module**

Install the modules in order of numbering.

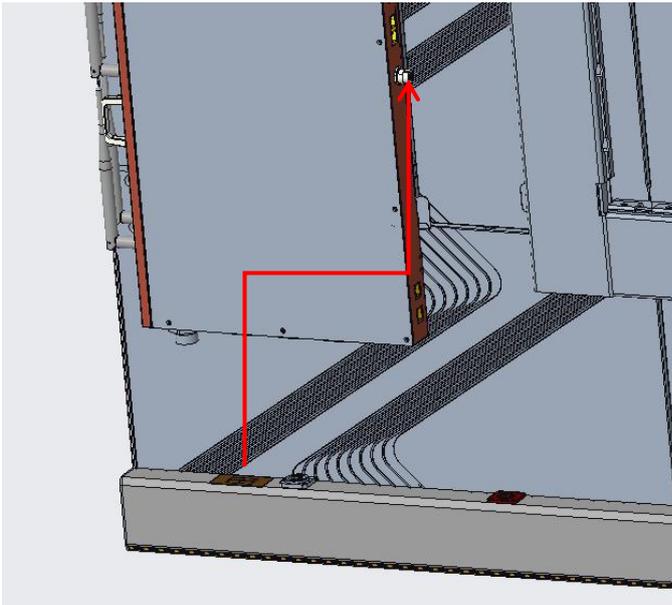
1-1-1-1	1-1-1-2	1-1-1-3	1-1-1-4	1-1-2-1	1-1-2-2	1-1-2-3	1-1-2-4	1-1-3-1	1-1-3-2	1-1-3-3	1-1-3-4	1-1-4-1	1-1-4-2	1-1-4-3	1-1-4-4	1-1-5-1	1-1-5-2	1-1-5-3	1-1-5-4
	1-1-1				1-1-2				1-1-3				1-1-4				1-1-5		
1-2-1-1	1-2-1-2	1-2-1-3	1-2-1-4	1-2-2-1	1-2-2-2	1-2-2-3	1-2-2-4	1-2-3-1	1-2-3-2	1-2-3-3	1-2-3-4	1-2-4-1	1-2-4-2	1-2-4-3	1-2-4-4	1-2-5-1	1-2-5-2	1-2-5-3	1-2-5-4
	1-2-1				1-2-2				1-2-3				1-2-4				1-2-5		
1-3-1-1	1-3-1-2	1-3-1-3	1-3-1-4	1-3-2-1	1-3-2-2	1-3-2-3	1-3-2-4	1-3-3-1	1-3-3-2	1-3-3-3	1-3-3-4	1-3-4-1	1-3-4-2	1-3-4-3	1-3-4-4	1-3-5-1	1-3-5-2	1-3-5-3	1-3-5-4
	1-3-1				1-3-2				1-3-3				1-3-4				1-3-5		
1-4-1-1	1-4-1-2	1-4-1-3	1-4-1-4	1-4-2-1	1-4-2-2	1-4-2-3	1-4-2-4	1-4-3-1	1-4-3-2	1-4-3-3	1-4-3-4	1-4-4-1	1-4-4-2	1-4-4-3	1-4-4-4	1-4-5-1	1-4-5-2	1-4-5-3	1-4-5-4
	1-4-1				1-4-2				1-4-3				1-4-4				1-4-5		
1-5-1-1	1-5-1-2	1-5-1-3	1-5-1-4	1-5-2-1	1-5-2-2	1-5-2-3	1-5-2-4	1-5-3-1	1-5-3-2	1-5-3-3	1-5-3-4	1-5-4-1	1-5-4-2	1-5-4-3	1-5-4-4	1-5-5-1	1-5-5-2	1-5-5-3	1-5-5-4
	1-5-1				1-5-2				1-5-3				1-5-4				1-5-5		

**2.3.7 Installing the control box**

(1) Connect the control box network cable. Connect from port 1 in order of proximity to the control box



(2) Connect the IR extension cable and the power cable of the box



(3) Assemble the control box by following the control box slide

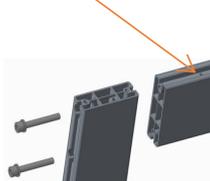
## 2.4 C165S wall mounted version installation

### 2.4.1 Mounting brackets

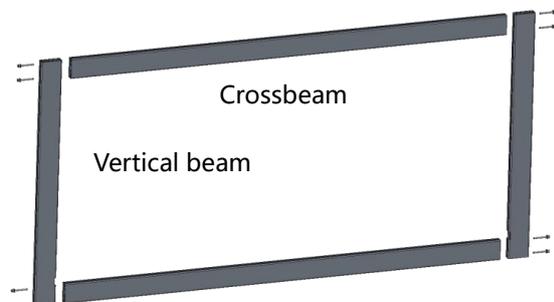
Remove the back frame from the box, including the horizontal and vertical beams. Set up on the floor with the front side facing up (the side with the silkscreened logo on the crossbeam is the front);

Assembling the four sides of the back frame, including two horizontal beams, two vertical beams and eight M8 screws.

Crossbeam with safety screw hole side facing up

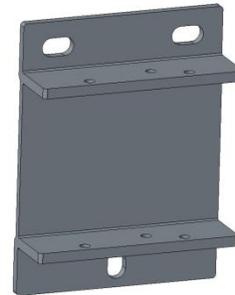
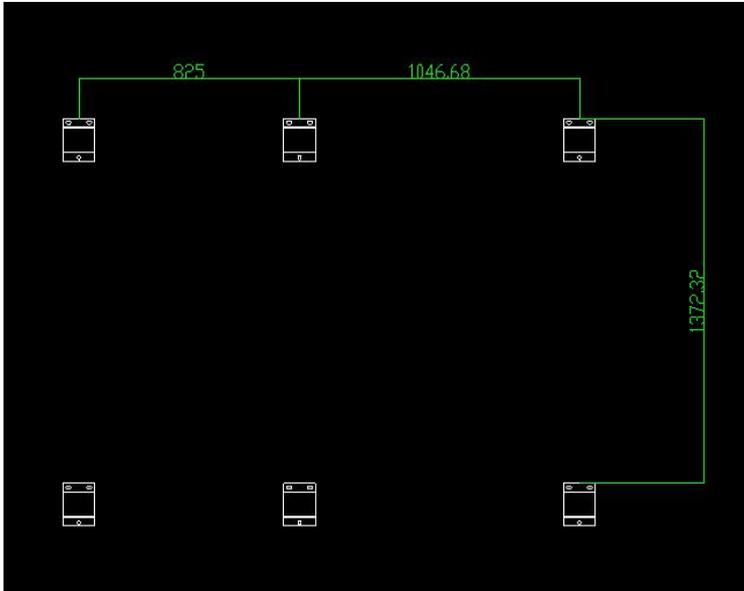


Vertical beam with notched side facing inwards



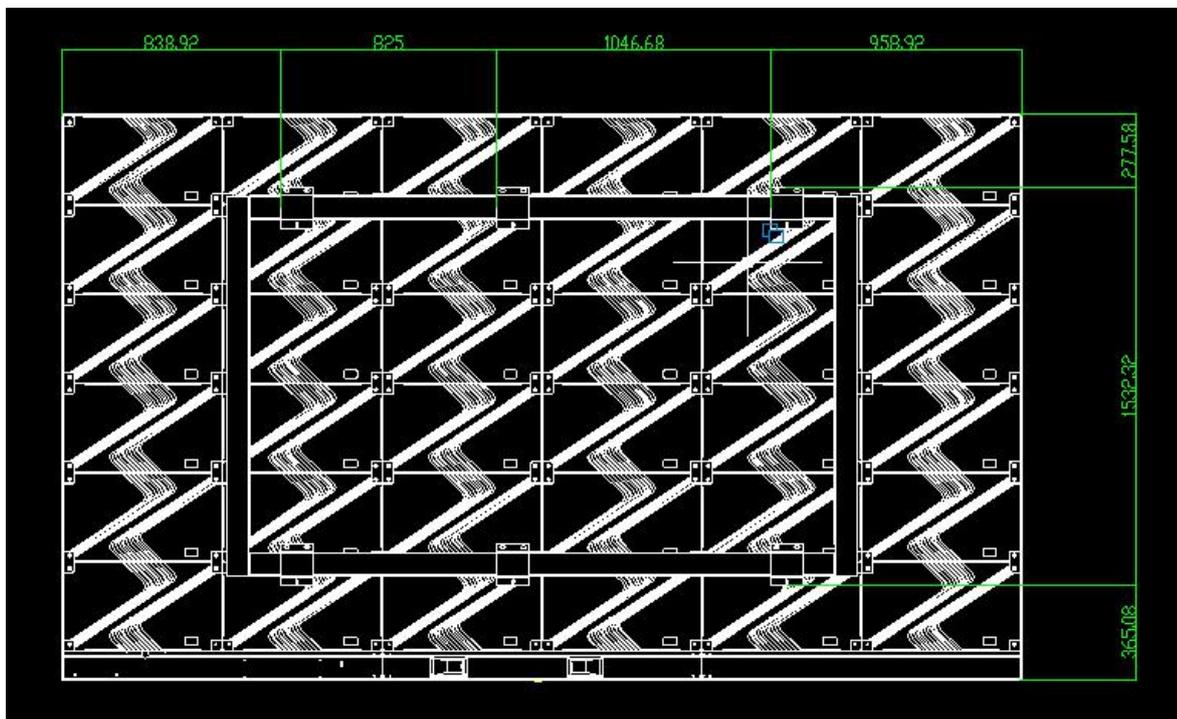
### 2.4.2 Installation of back frame fixing angle code

(1) Instructions for installing back bracket fixing angle codes;



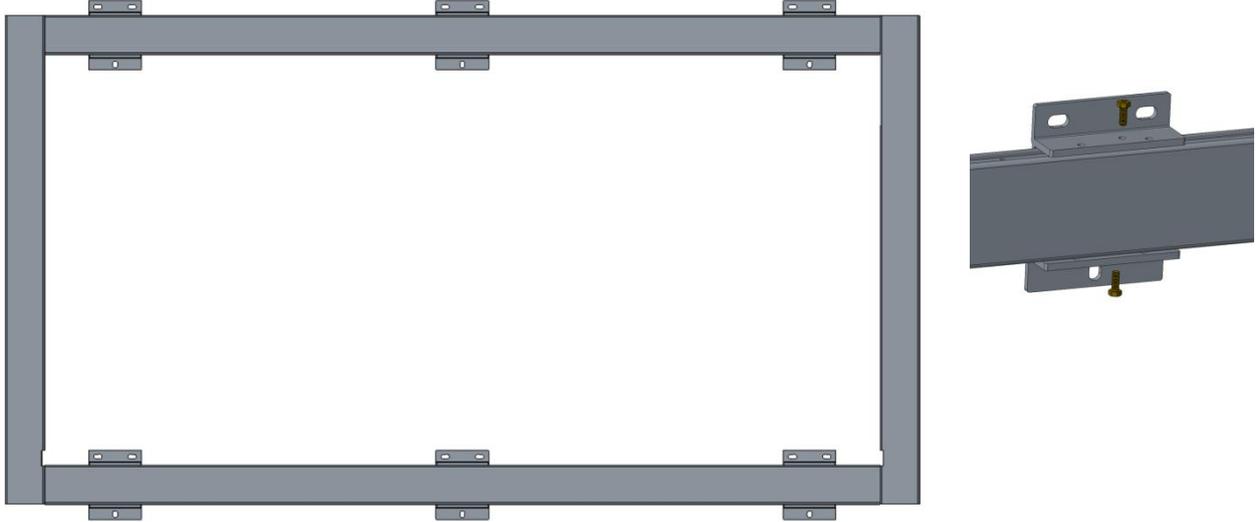
Back bracket fixing angle code  
(each secured with 3 x M8 expansion screws)

(2) After confirming the installation position of the fixed corner code of the back frame and the position of the screen body, holes are punched in the wall to install the fixed corner code (only 4 corner codes can be installed on all sides when the wall has a good load-bearing capacity)



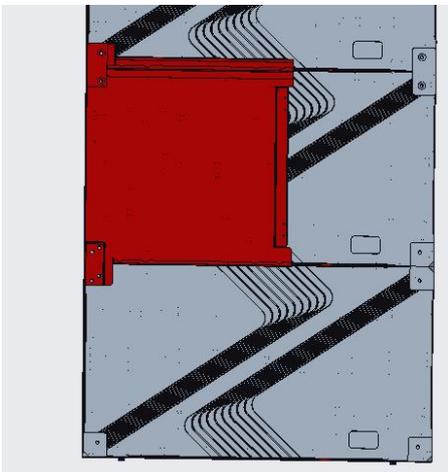
### 2.4.3 Fixed wall bracket

After the corner code has been installed, install the wall bracket and fix it with 2 M6\*16 screws in each position, clamping it at the top and bottom.

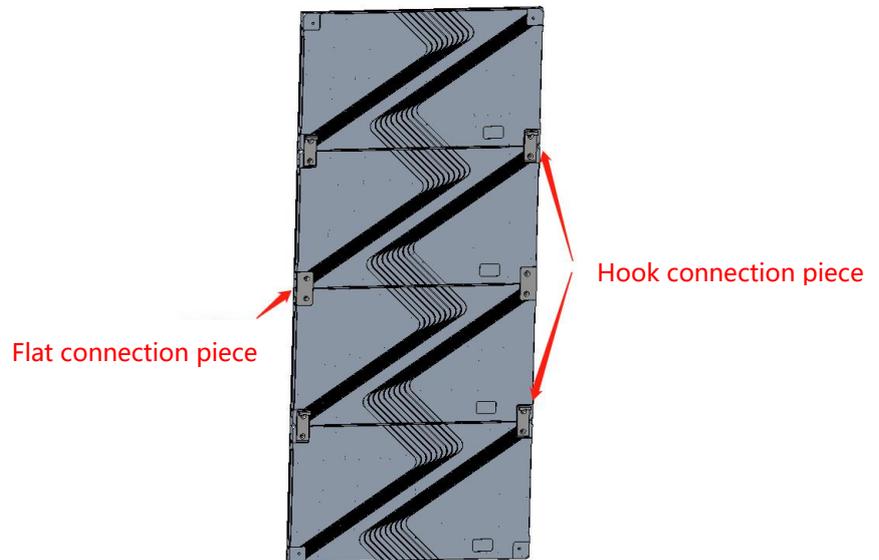


### 2.4.4 Mounting the box

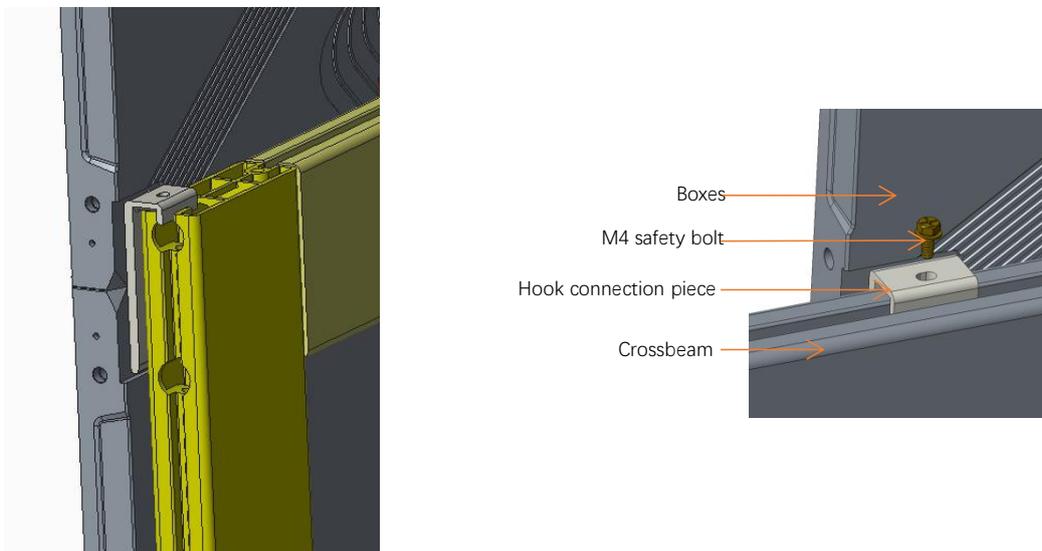
(1) Fix the control box bracket to the rightmost column (front view) box and the penultimate box below with 4 M6 screws



(2) Hang the middle row of boxes first, with the hook connection piece on the back of the box hooked into the groove of the back frame cross member profile. Move the box position so that it is centred and aligned with the marked line on the crossbeam;

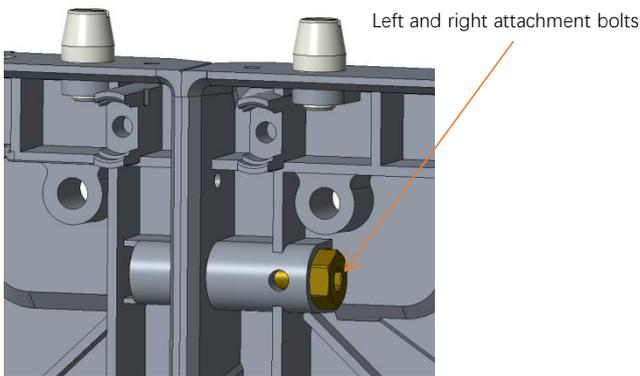


(3) Installation of four M4 security screws after the box has been hung;



Note: The internal structure is based on the actual object.

(4) hang the left and right sides of the box in turn, lock the box on the left and right connecting bolts, the screen body four corner hook connection piece for the flat connection piece;



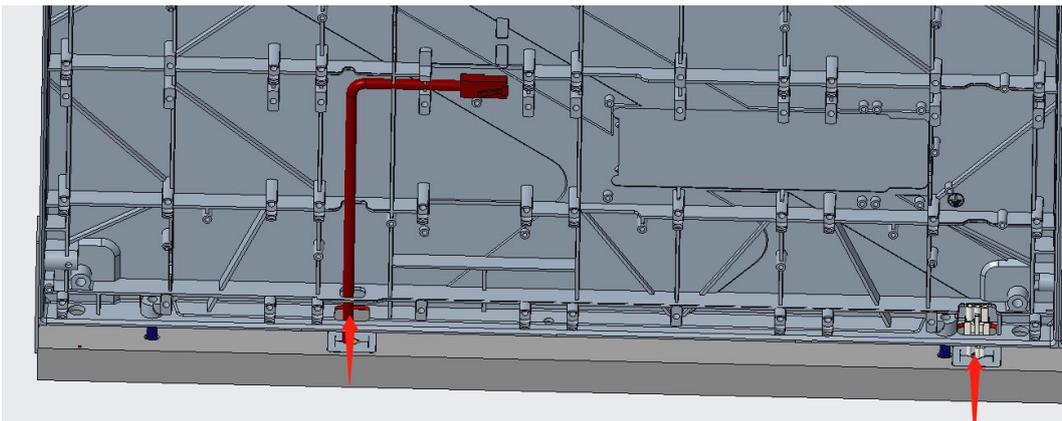
Note: The internal structure is based on the actual object.

#### 2.4.5 Installing the package edge

(1) Install the screen body lower wraparound. Connect the main network cable and main power cable to the lower wraparound. (Note that the short network cable connects to the box near the control box and the long network cable connects to the box further away)



(2) The lower wraparound section is installed with the screen body, after passing the network cable and power cable through the box, lock the fixing screws (8 M6 flat head screws) of the lower wraparound and the box body;

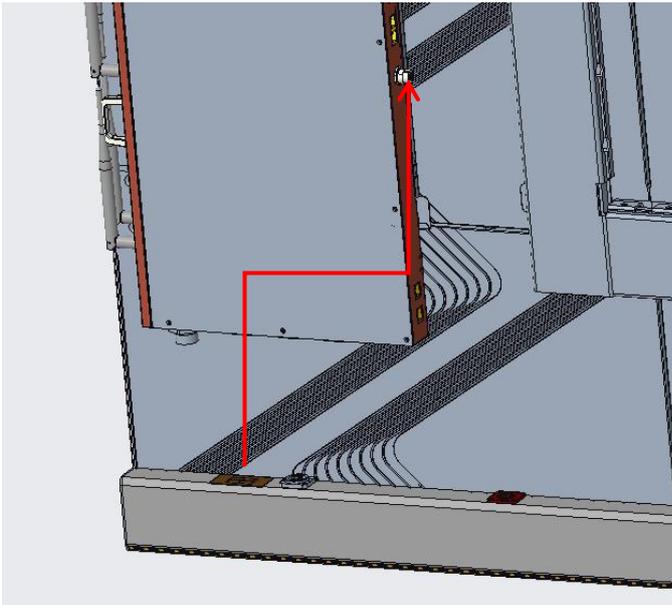


Note: The internal structure is based on the actual object.

(3) Connect the lower wrap-around network cable and the power cable to the interface inside the box in a fixed way

(4) Install the left, right and top wraps, using circlip springs to catch the pin screws on the wraps and press down



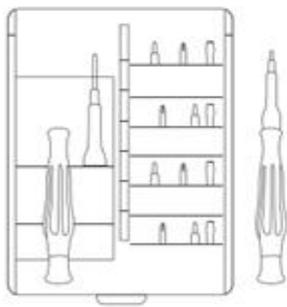


(3) Assemble the control box by following the control box slide

### 3. Product maintenance

#### 3.1 Tool preparation

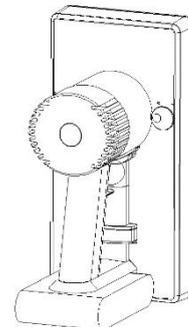
Prepare tools such as a pre-module maintenance tool, Phillips screwdriver and a multimeter.



Screwdrivers



Multimeter

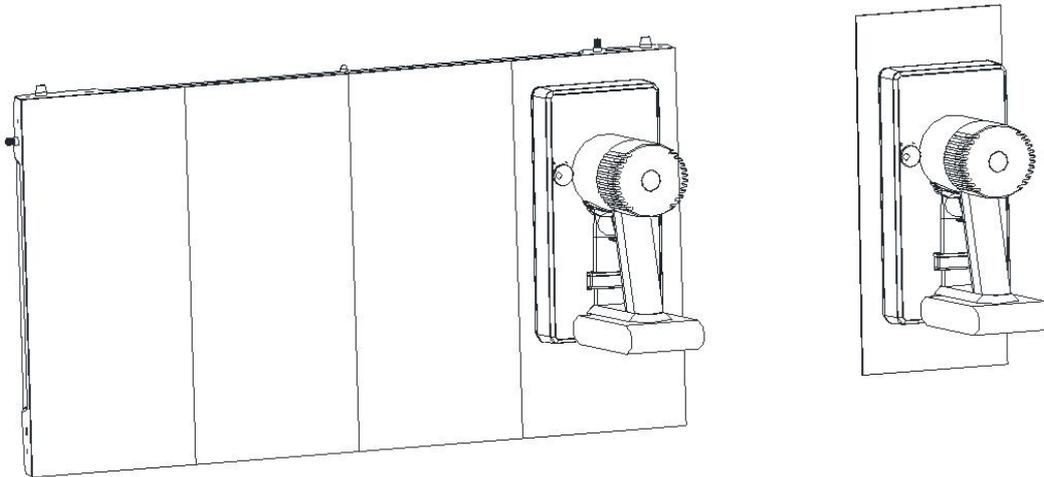


Pre-module maintenance tools

#### 3.2 Case accessory replacement guide

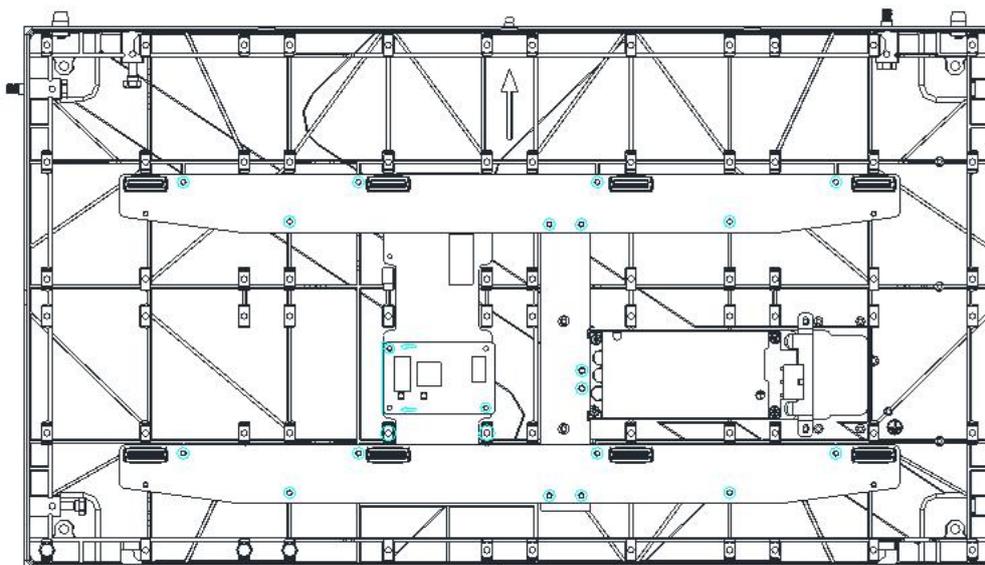
### 3.2.1 Module maintenance

Press the front maintenance tool button, close to the module, suck out the module, hold the module in your hand and release the front maintenance tool button.



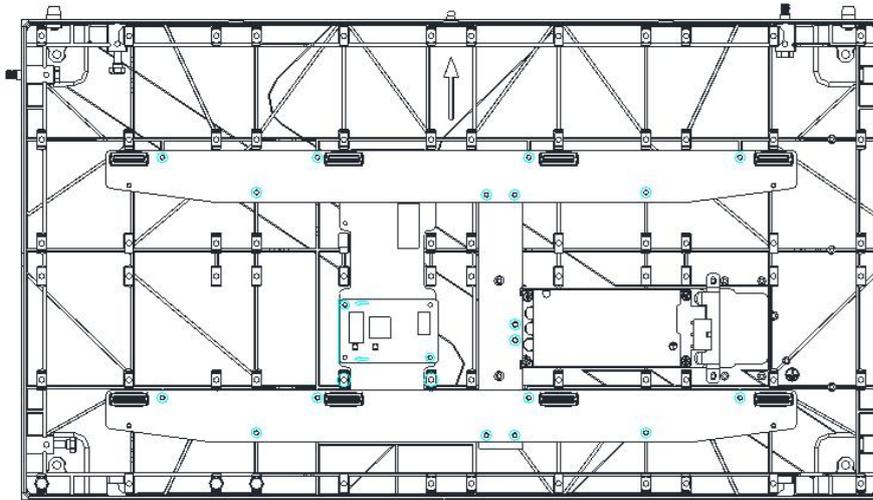
### 3.2.2 Adapter plate maintenance

First remove the 4 modules from the case with the front maintenance tool and put them in place, then remove the adapter plate fixing screws with a Phillips screwdriver and the adapter plate can be removed from the case.

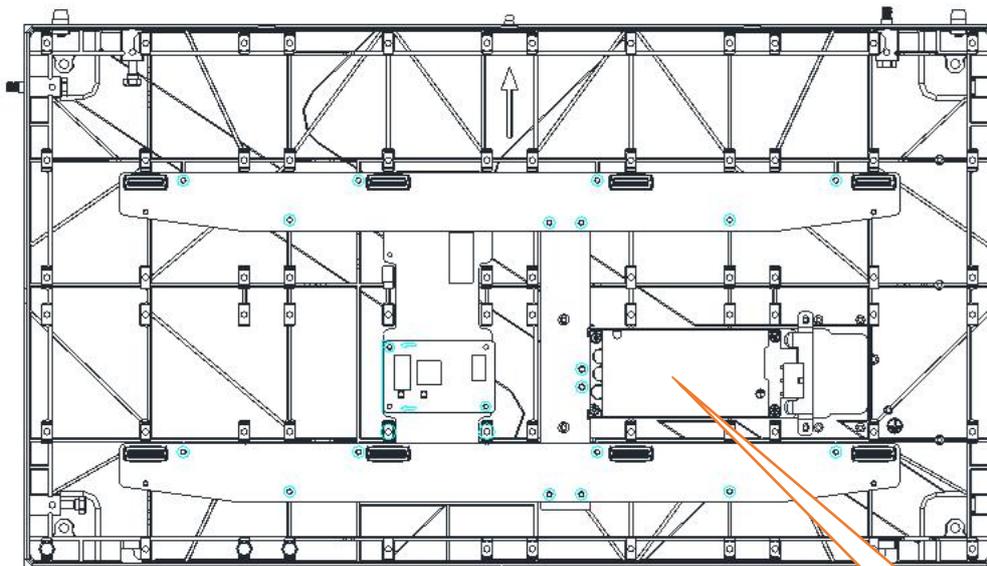


### 3.2.3 Receiver card maintenance

Receiving Cards



### 3.2.4 Pre-power maintenance



Power supply

## 3.3 Maintenance instructions

When the cause of a fault cannot be determined on site or if you do not understand how to renew a part, please contact Abyssin!