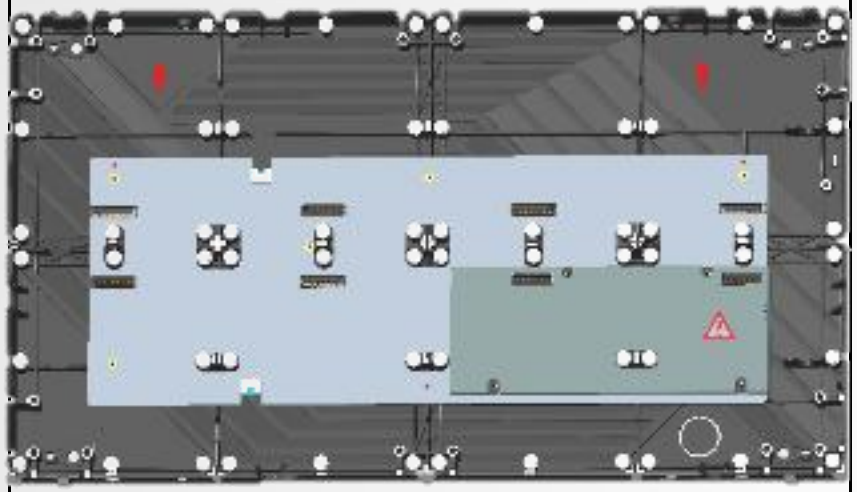
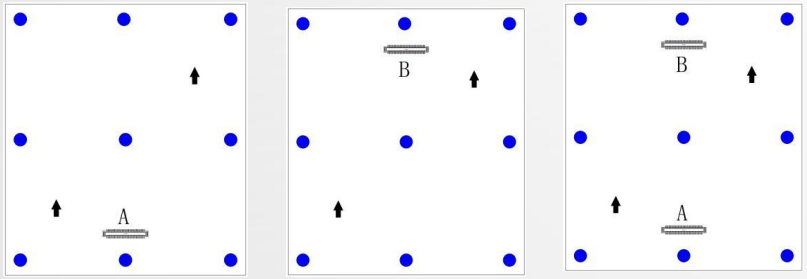
Installation instructions

List

Name	Picture	Explanation
Cabinet		Die-casting aluminum cabinet + three-in-one integrated board; Form a large screen according to the project size. Cabinet Size: 600mm × 337.5mm × 39.75mm 600mm×675mm×39.75mm
Moduels		Module A has the letter "A" painted beside the floating connector. Module B has the letter "B" painted beside the floating connector. Module C has the letter "A/B" painted beside the floating connector. Module C is the spare parts module

Name	Picture	Explanation
Rear connector		Use 6 * 55 screws pass through the cabinet to the connector to fix the cabinet on the 40mm*40mm steel structure.
Front connector		Fix the front of the cabinet with 4*8 screws to ensure the flatness.

Name	Picture	Explanation
6 × 55 screws		Use 6 * 55 screws pass through the cabinet to the connector to fix the cabinet on the 40mm*40mm steel structure.
6 × 16 screws		Lock the left and right cabinets and the upper and lower cabinets.
4 × 8 screws		Fix the front connectors and the ground wire of the power line inside the box.

Name	Picture	Explanation
One pull N power cable		Power cables inside the cabinets.
network cable		Connect the upper and lower net ports between the cabinets.
Main network cable		Connect the controller to the screen .
Main power line		Connect the power distribution cabinet to the one-tow-N power line

Name	Picture	Explanation
Allen wrench 3mm		For locking 4 * 8 screw
Allen wrench 5mm		For locking 6 * 16 and 6 * 55 screws
Hexagon socket head 3mm		Used with electric screwdriver to lock 4 * 8 screw

Name	Picture	Explain
Aviation plug (male)		Connect the power cables .
Aviation plug (female)		Connect the power cables .
Sucker		Suck out the modules during maintenance .
Dust-free gloves		Use it when installing the module to prevent it from getting dirty
Dust-free cloth		Wipe the dirt on the surface of modules .

Installation diagram

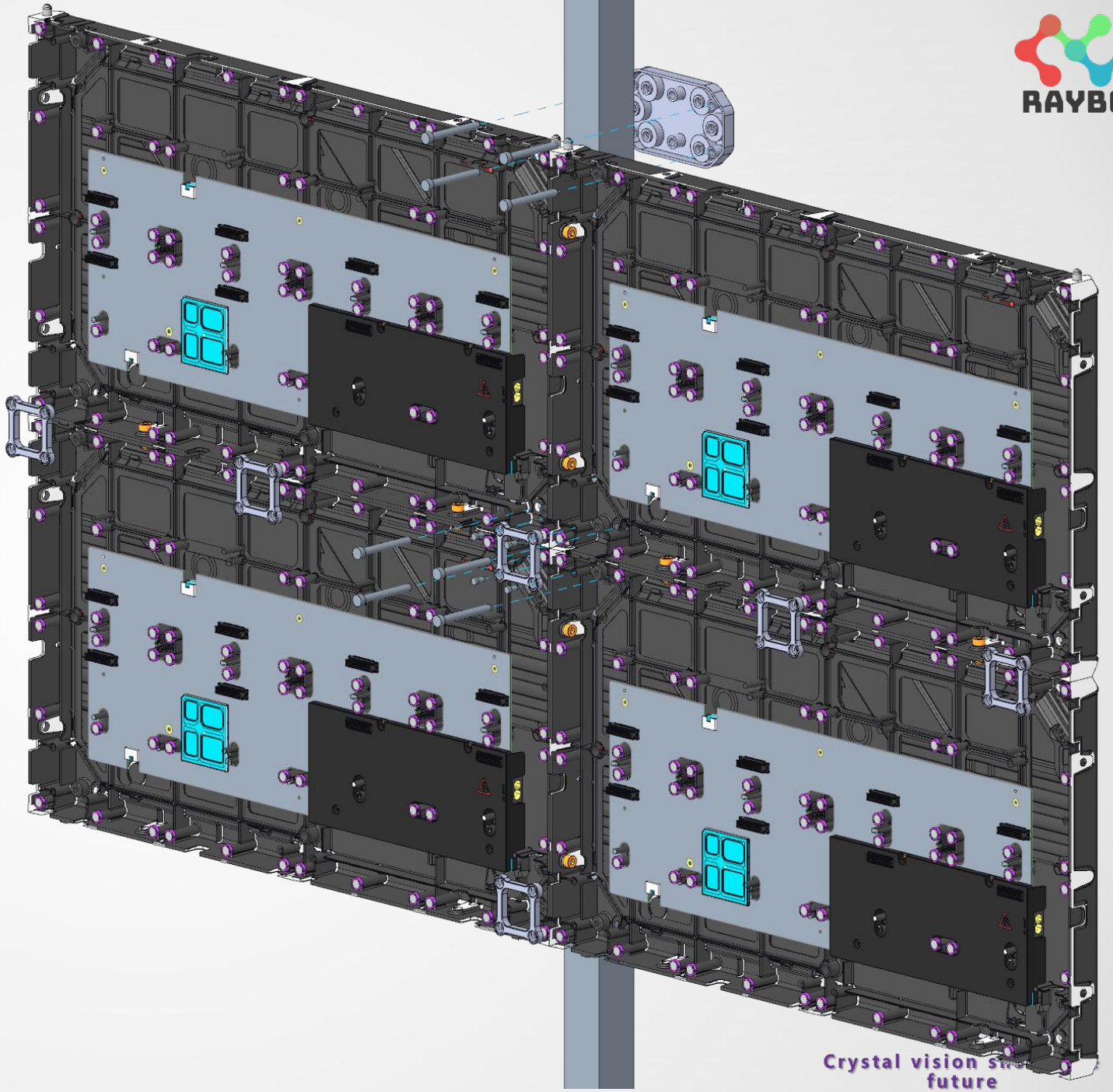
1. Weld the steel structure according to the installation drawing;

2. Install thecabinets from the leftmost side of the bottommost row, and ensure that the X-axis direction and the Y-axis direction form a vertical angle of 90 °. Install a row of cabinets at the bottom, and then install othercabinets upward in turn:

A. Adjust the flatness of the X axis and Y axis of the left and right cabinets, and then lock the screws between the axes;

B. Adjust the flatness between the cabinets in the Z-axis direction, and then tighten the screw to fix the front connector on the cabinets;

C. After the flatness of the cabinets are adjusted, fix the cabinets on the steel structure with the rear connector and M6 × 55 screws.



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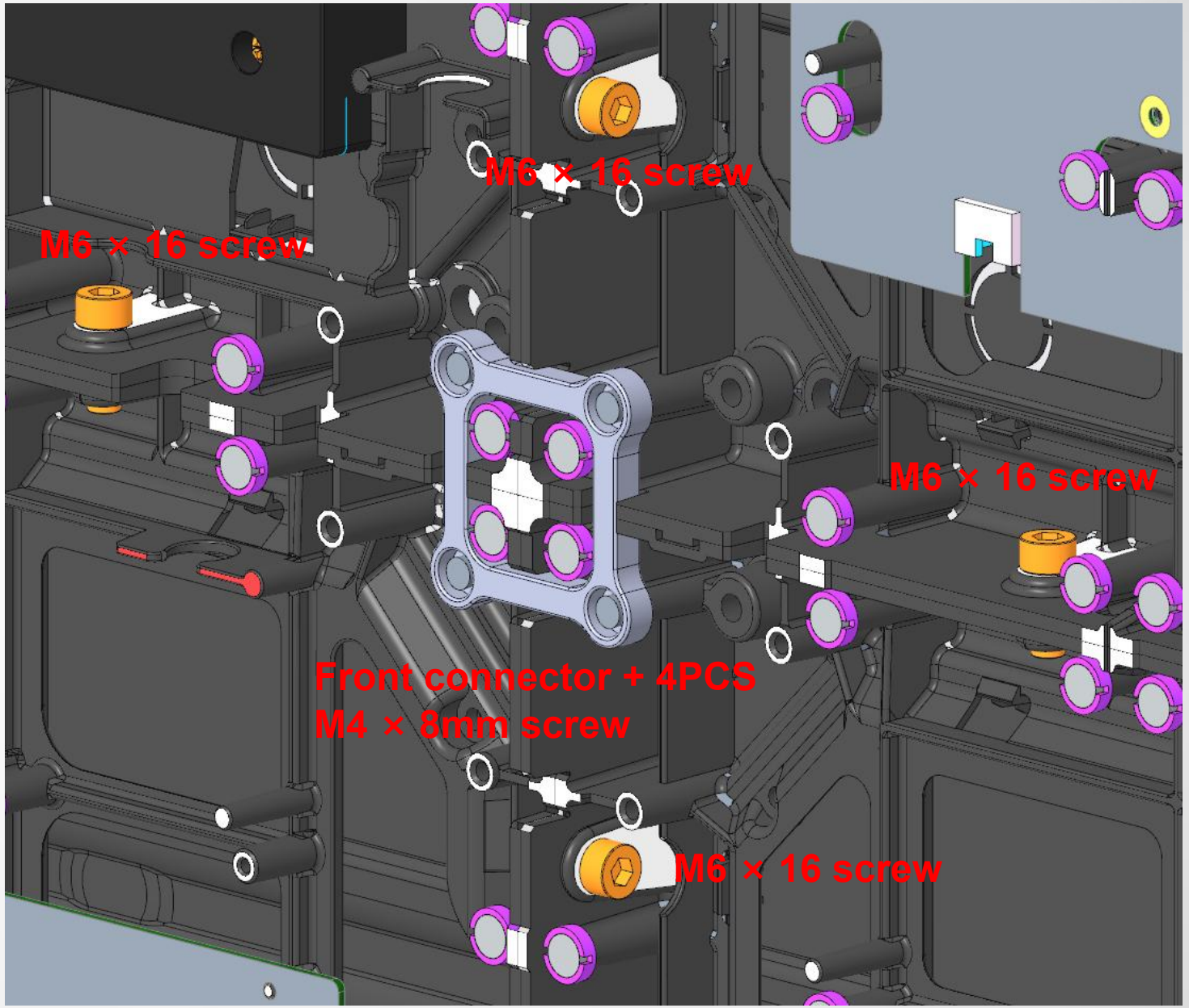
Installation diagram

1. Cabinets assemble:

Cabinets are locked by M6 × 16 screws between axes to control the precision of X-axis and Y-axis of the Cabinets; Tighten the screws after adjusting the flatness of X axis and Y axis;

2. Install the front connector:

The front connector + 4PCS M4 × 8 screws to control the flatness of the Z axis; Tighten the screw after adjusting the Z-axis flatness;

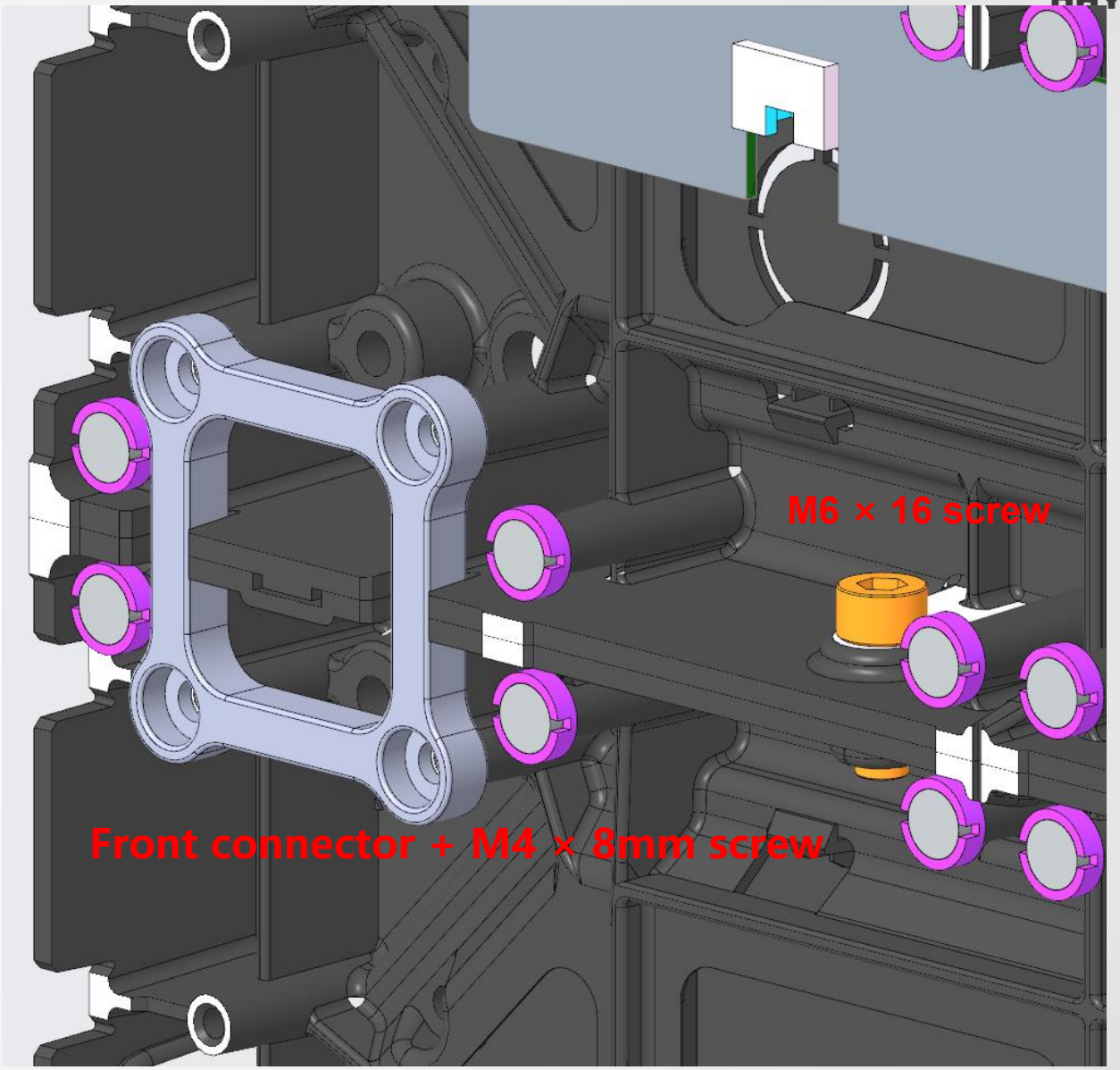


Installation diagram

1. Install the front connectors at the four edges:

The front connector + 4PCS M4 × 8 screws to control the flatness of the Z axis; Tighten the screw after adjusting the Z-axis flatness;

Move the front connector around inward to the correct position of the screw hole, and only lock the two screws .

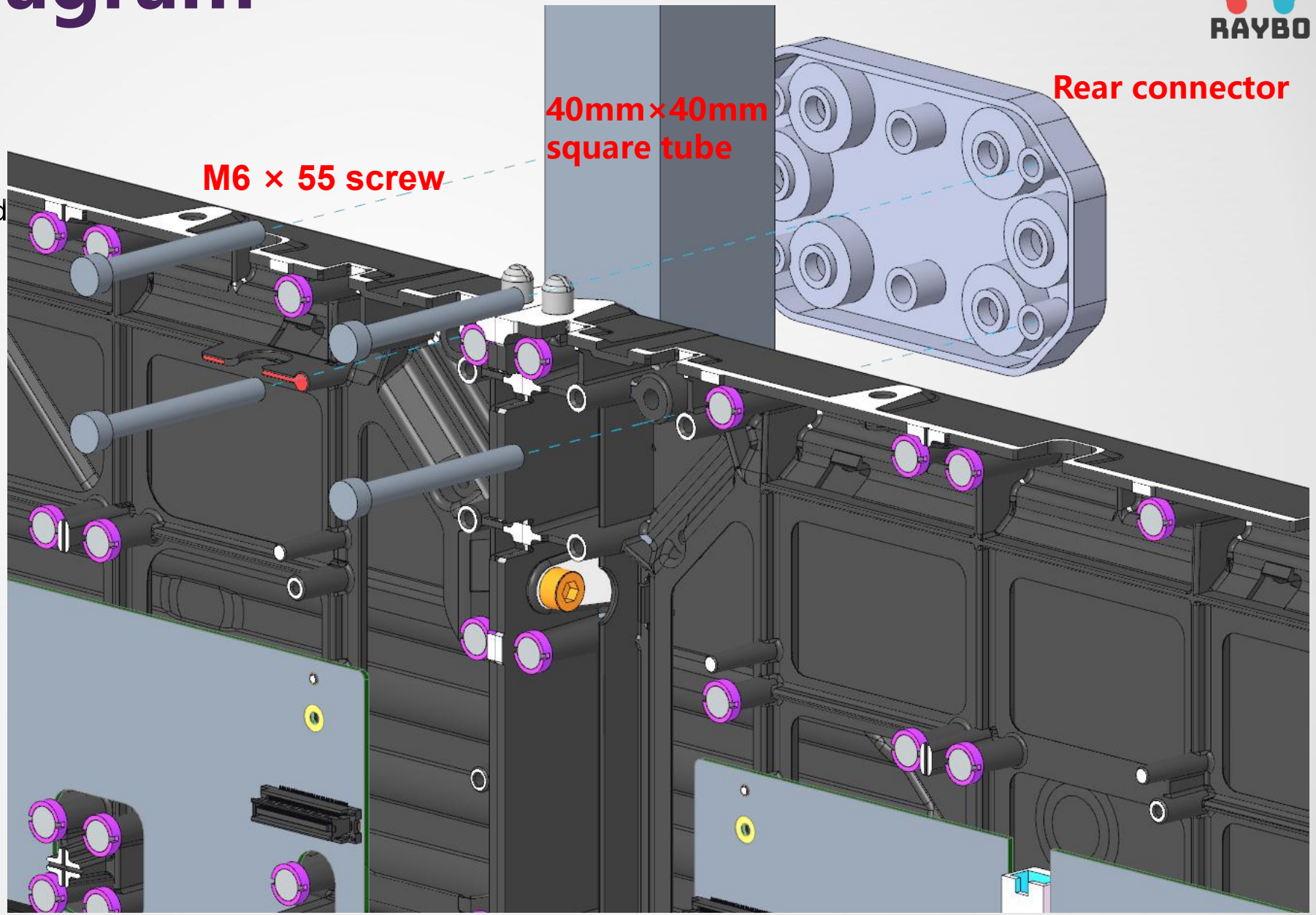


Installation diagram

1. Front installation:
The M6 × 55 screw passes through the through hole of the cabinets to the threaded hole of the rear connector, and is locked by an internal hexagonal wrench for 5mm;

2. Rear-installation:
The M6 × 55 screw passes through the through hole of the connector to the threaded hole of the cabinets, and is locked by an internal hexagonal wrench for 5mm;

3. Move the top/bottom rear connector downward/upward by 1/2 to avoid interference with square tube.



Cabling instruction

1. Network cable connection:

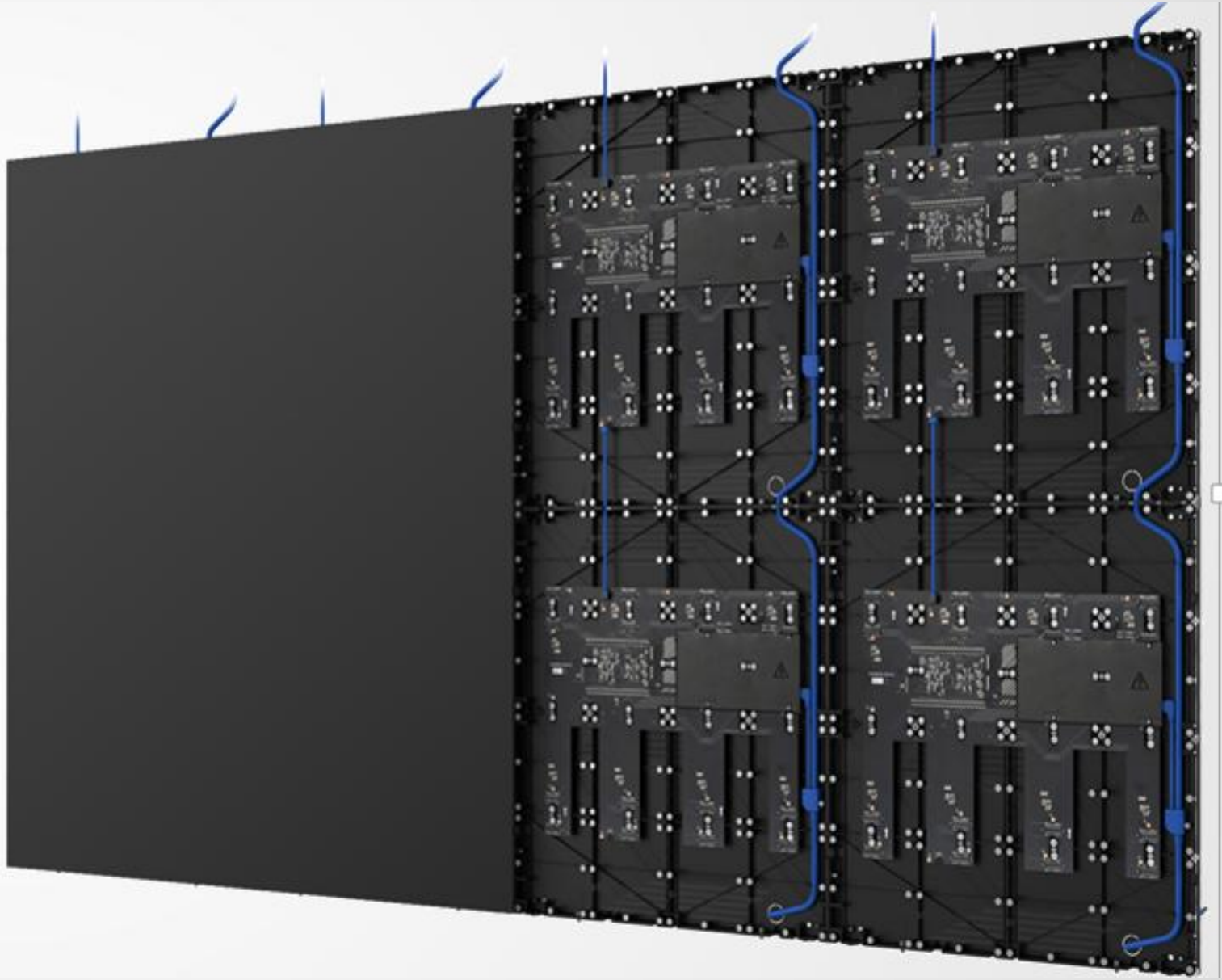
Cascade network cables pass through threading holes of the cabinets, cascaded the upper cabinets and the low cabinet .

2. One-pull N power cable connection:

The 8-shaped plug outputs AC 220V, and the insertion sequence is not divided into positive and negative;

Connect the power cable to the box ⏚ with an M4×8mm screw.

3. Input the Power cable and Signal cable through the hole in the bottom right of the cabinet , led out from the back and respectively connected to the PDC and control system.



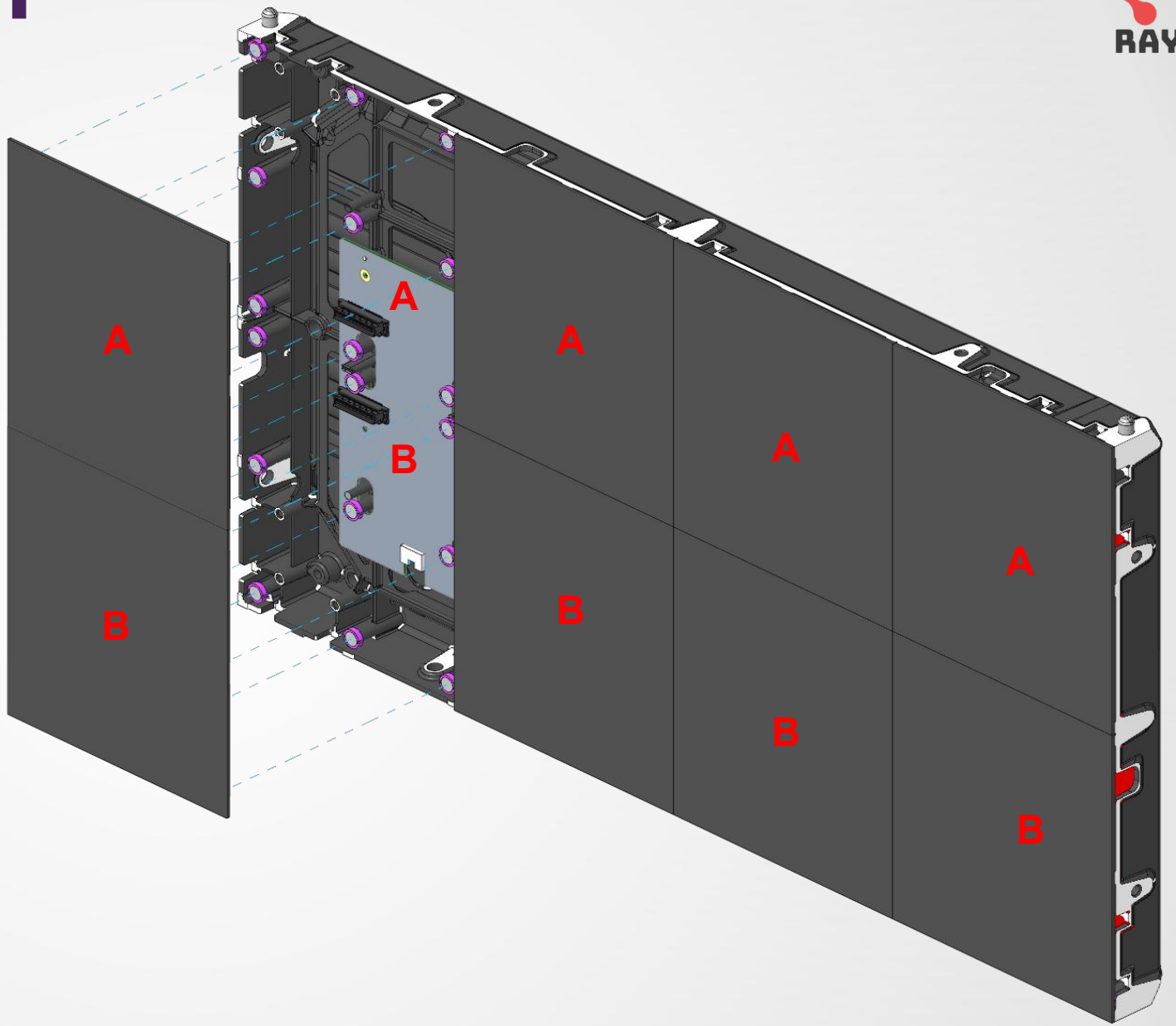
Cable load meter

Pixel	Maximum load cabinets quantity of one network cable	Maximum loaded cabinets quantity of one power cable (3 * 2.5mm² GB wire)Voltage: AC110V	Maximum loaded cabinets quantity of one power cable (3 * 2.5mm² GB wire)Voltage: AC220V
0.62	One 27B cabinet	Ten 27B cabinets	Twenty 27B cabinets
0.78	One 27B cabinet	Ten 27B cabinets	Twenty 27B cabinets
0.93	Two 27B cabinets	Ten 27B cabinets	Twenty 27B cabinets
1.25	Five 27B cabinets / Two 35B cabinets	Ten 27B cabinets / Five 35B cabinets	Twenty 27B cabinets / Ten 35B cabinets
1.56	Seven 27B cabinets / Three 35B cabinets	Ten 27B cabinets / Five 35B cabinets	Twenty 27B cabinets / Ten 35B cabinets
1.87	Eleven 27B cabinets / Five 35B cabinets	Ten 27B cabinets / Five 35B cabinets	Twenty 27B cabinets / Ten 35B cabinets

Installation diagram

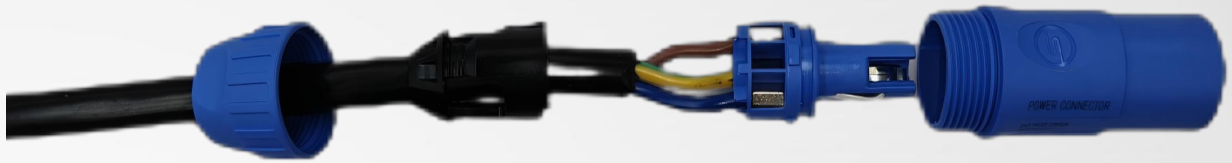
1. There are module A and module B .

2. When the cabinets is installed upward according to the arrow, the upper connector painted “A” beside, the lower connector painted “B” beside; A module to A connector ; B module to B connector.



Aviation plug assembly diagram





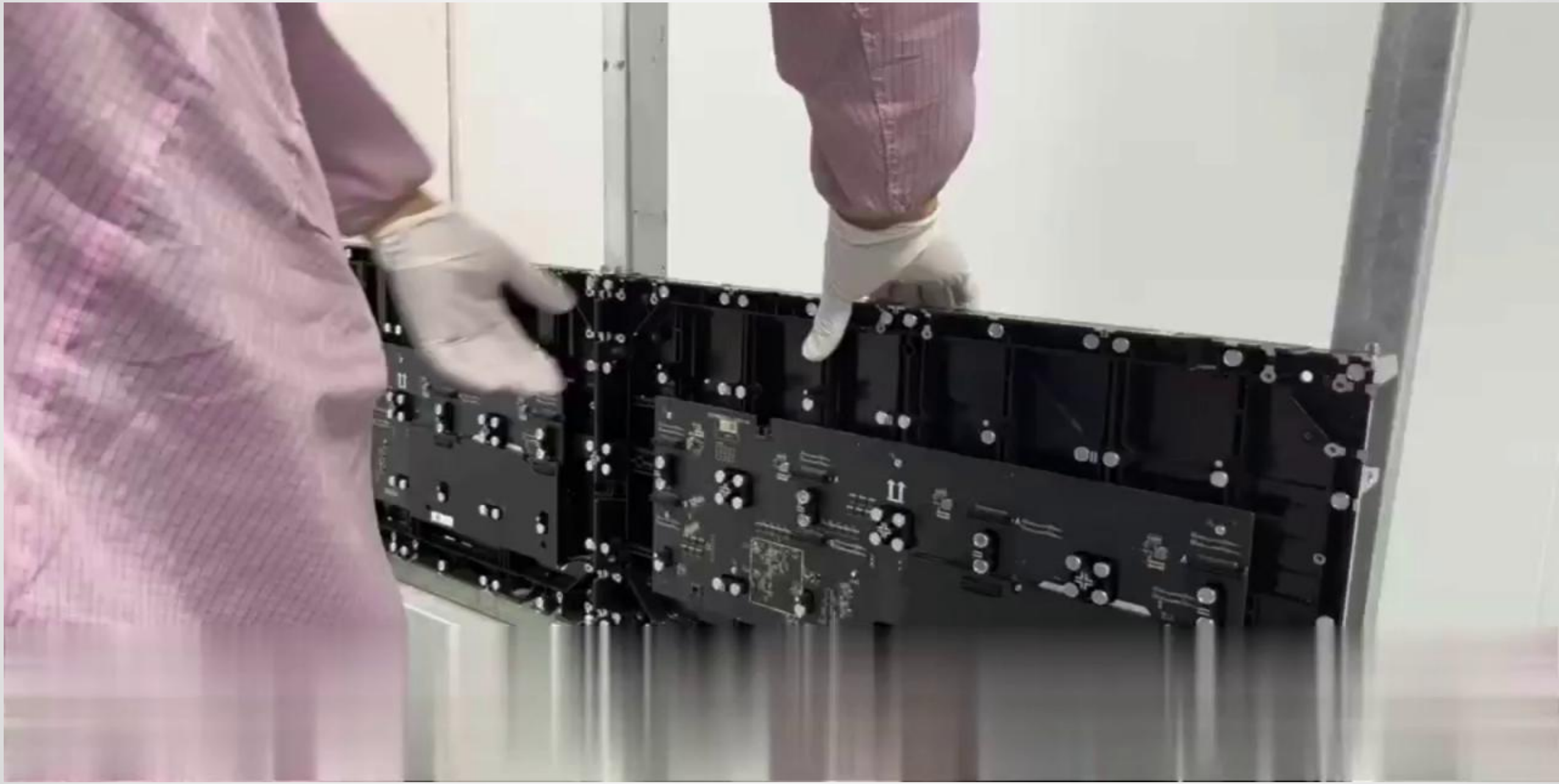
1. Unscrew the male/female end of the aviation plug. From left to right, they are the tail sleeve, the wire clamp, the inner core and the shell;
2. Strip the cable for 20mm, strip out the 8mm conductor, and first pass the cable through the tail sleeve and the clamp; Then press red-> L end, blue-> N end, yellow green-> ground wire, insert the cable conductor part into the inner core terminal, and tighten the screw with 0.5 Nm torque after insertion.
3. The inner core after wiring is pushed into the shell by the clamp, the convex rib of the clamp shall correspond to the convex rib of the inner core, and the two convex ribs shall correspond to the groove of the shell.
4.After the clamp, inner core assembly and housing are assembled, tighten the tail sleeve clockwise with 2.0 Nm torque.





1. that two bulge of the male head are inserted into the two groove of the female head, and the male head is rotated clockwise until the male head fixing buckle is pushed forward, and the butt joint is complete.
2.Pull down the fixing buckle and turn it counterclockwise to disconnect the wiring.

Installation video



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