



Indoor Fixed LED Display Unit

Installation Guide

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The symbols that may be found in this document are defined as follows.

Symbol	Description
 Danger	Indicates a hazardous situation which, if not avoided, will or could result in death or serious injury.
 Caution	Indicates a potentially hazardous situation which, if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results.
 Note	Provides additional information to emphasize or supplement important points of the main text.

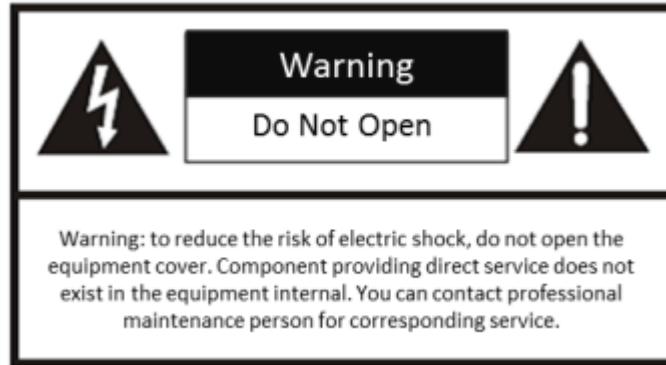
Safety Instruction

For safety concerns, the device has been strictly tested before shipment. However, incorrect installation or usage may lead to hazardous results such as electric shock and fire. To ensure the service life and best performance of the device, please read the notice and plate signs carefully and follow the safety instructions. Keep this guide properly for later use.

Caution

- To ensure safety, the installation parts and the wall should support four times the weight of the device.
- Install the device no more than 5 mm away from the wall or other metal racks in case of lamp board drop resulting in electric shock.
- Please set the brightness of the LED display within 500 nits to avoid power overload.
- The device may generate radio interference in indoor environment. Necessary precautions may be required.
- To reduce the risk of fire or electric shock, please do not expose the device to rain or humid environment.
- Electric discharge may last for a short period of time after the power is shut down. Please wait two minutes after the power is shut down before operating the device.
- To avoid the risk of electric shock, please do not operate when the power is on.
- Please do not plug and unplug the power cable when the power is on.
- Ensure the correct wire sequence of the terminals connected to the AC power supply.
- Do not place anything containing liquid on the device to avoid the risk of fire or electric shock caused by liquid-splashing.
- The device is only suitable for installation on the concrete or non-flammable surfaces, to prevent molten material from dripping to the bottom during fire caused by internal failure.
- Keep 90 degrees when moving and using the device.

- After installation, there should be no openings around the LED module. The bottom bracket under the wire outlet position should completely cover the bottom hole only to let the wire out, to prevent the molten material from dripping to the bottom during fire caused by internal failure.



Warning

- In the use of the product, you must be in strict compliance with the electrical safety regulations of the nation and region.
- Disconnect the power plug before maintenance.
- Make sure the power supply is well-grounded.
- The protective grounding of the device should be reliably connected to the building protective grounding.
- To reduce the risk of electric shock, install protective shield on the exposed connector after installing LED screen.
- Disconnect the power plug before installing the protective shield.
- A disconnecting device should be provided on the outside of the equipment. A single device is recommended for AC 220 V / 230 V / 240 V, 6 A circuit breakers. When multiple devices are superimposed, a suitable circuit breaker should be selected according to the total rated current, but it must not exceed the building equipped circuit specifications.
- To prevent injury, the device must be securely fixed to the ground, wall, ceiling, or steel frame. The all-in-one rack should be fixed to the ground with expansion screws.
- The supporting rack can only be used with the device. Using it with other devices may cause instability and injury.
- The device can only be used with the supporting rack. Using it with other equipment (such as a cart, shelf, or handling device) may cause instability and injury.
- Please strictly follow the installation method in this guide.
- The external wire connection between device and hazardous electronic terminals should be operated by professionals.
- This is a class A product and may cause radio interference in which case the user may be required to take adequate measures.

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Chapter 1 Product Introduction

1.1 Overview

Indoor fixed LED display unit (hereinafter referred to as the device, the product, or the LED) is a high-precision product delivering clear and vivid images. It is featured by wide color gamut, stable performance, long service life, strong environmental adaption, cost effective and little cost to use. The device is applicable to scenes, such as radio and television stations, meeting room display, video security, information display, etc.

1.2 Product Components

An LED control system includes sending and receiving cards. The sending card packages images and sends them to the receiving card. The receiving card unpackages and processes the images, and then displays the images on the LED display unit.

The center distance between two pixels is called pixel pitch. The smaller pixel pitch results in higher pixel density per unit area, higher resolution and higher cost. For example, P1.2 indicates 1.2 mm pixel pitch.

Our products are rack-mount system, so the installation process mainly involves rack installation and cabinet installation. The following sections describe how to install the rack and cabinet in details.

Chapter 2 Rack Installation

2.1 About Rack

There are three types of racks for installing our full-color LED products: wall-mounted rack, ultrathin rack and all-in-one rack. The wall-mounted rack is used for installing front-maintenance cabinets only. The ultrathin rack and all-in-one rack can be used for installing front-maintenance cabinets and back-maintenance cabinets. The rack models vary depending on the project scale and installation environment, so the rack illustrations in this manual are for reference only.

2.2 Install the Rack

2.2.1 Precautions

- Installation personnel must wear protective gear.
- Take safety measures when working at heights.
- Make sure that the rack is mounted vertically to the flat ground without tilting or twisting.
- Check that all structural parts and fasteners are fully mounted without missing.
- After all the accessories are mounted, clean all the debris in the rack and avoid metal debris being remained.

2.2.2 Install the Wall-Mounted Rack

The wall-mounted rack is used for installing front-maintenance cabinets only.

Install the Base Frame

Steps

1. Use header corners to connect aluminum extrusion rods from bottom to top.

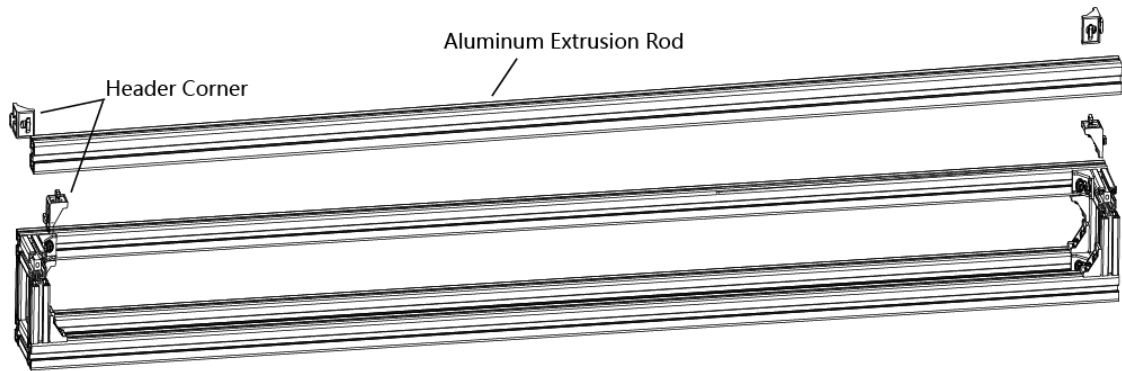


Figure 2-1 Assemble the Base Frame

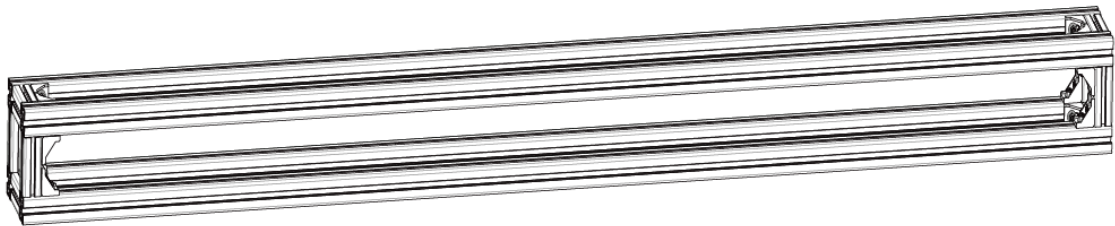


Figure 2-2 Base Frame Assembled

2. Use expansion bolts, T-Shaped bolts and fixing plates to fix the base frame onto the wall.

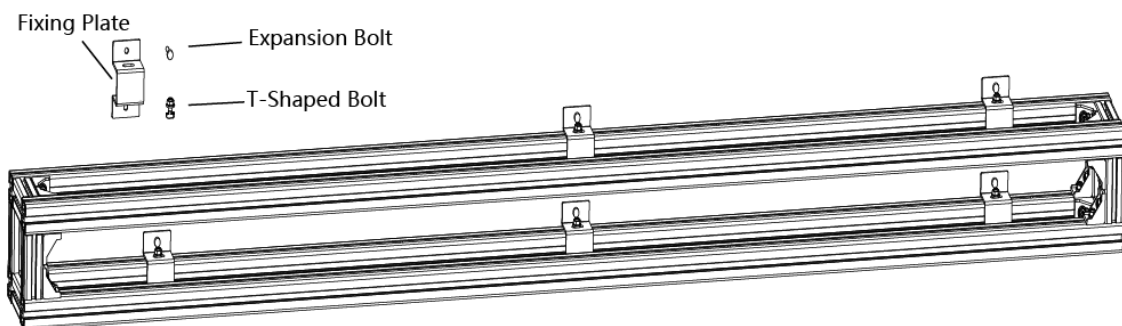


Figure 2-3 Fix the Base Frame onto the Wall

Install the Rack Frame

Steps

1. Use the header corners to connect aluminum extrusion rods to the base frame from left to right.

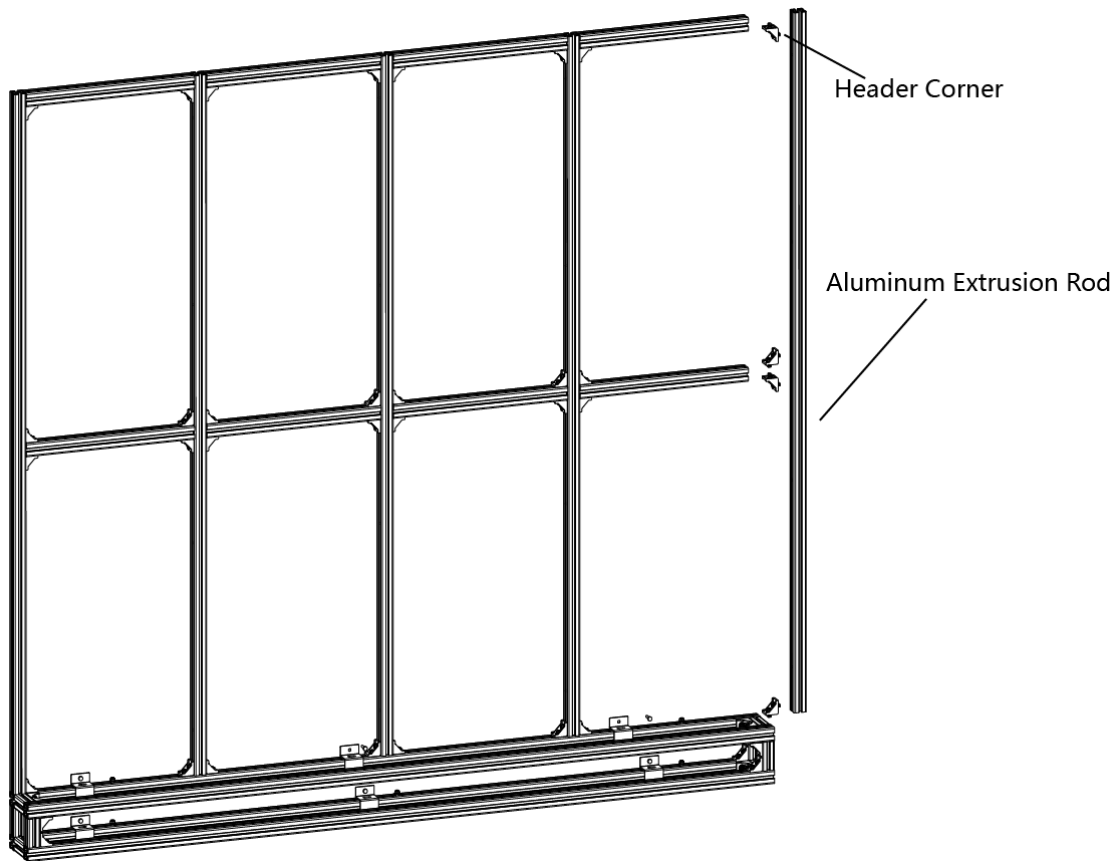


Figure 2-4 Assemble the Rack Frame

2. Use expansion bolts, T-Shaped bolts and fixing plates to fix the rack frame onto the wall.

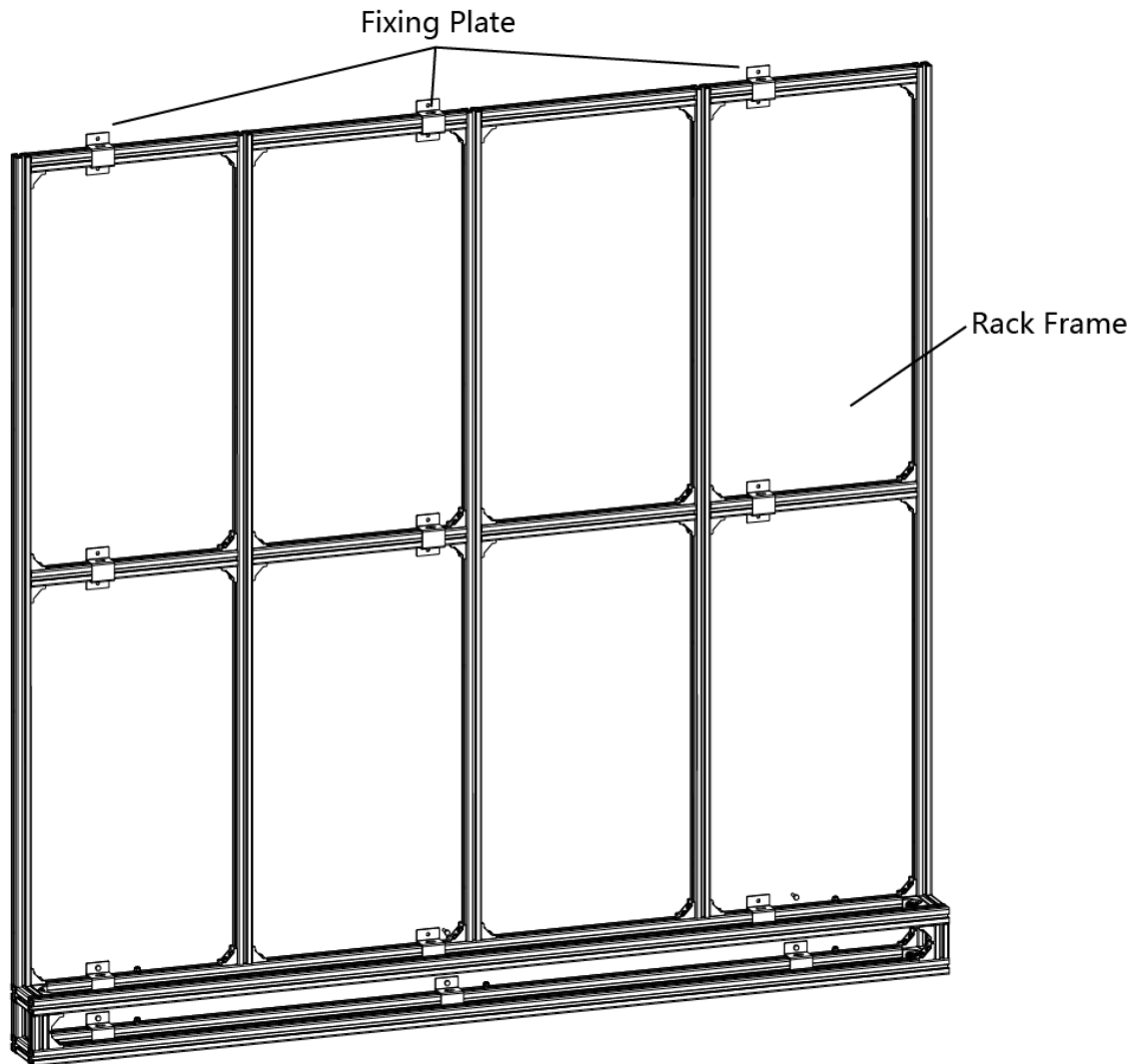


Figure 2-5 Fix the Rack Frame onto the Wall

Install Cabinets into the Rack Frame

After base frame and rack frame are well installed, perform the following steps to install the cabinets into the rack frame:

Steps

1. Install the mounting screws through the holes on the front of the cabinet and lock with the floating nuts on the bracket frame.

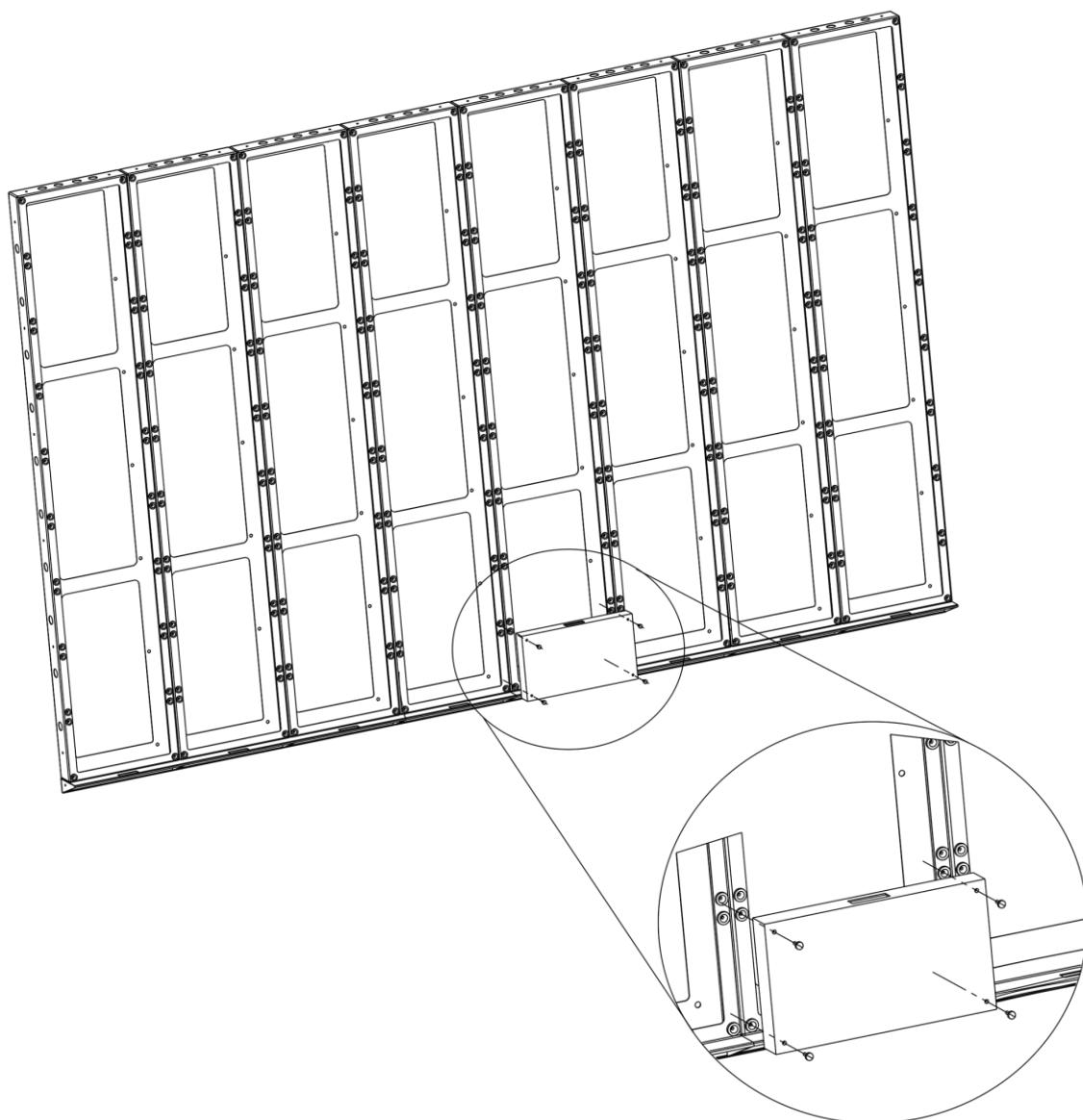


Figure 2-6 Fix the Screen

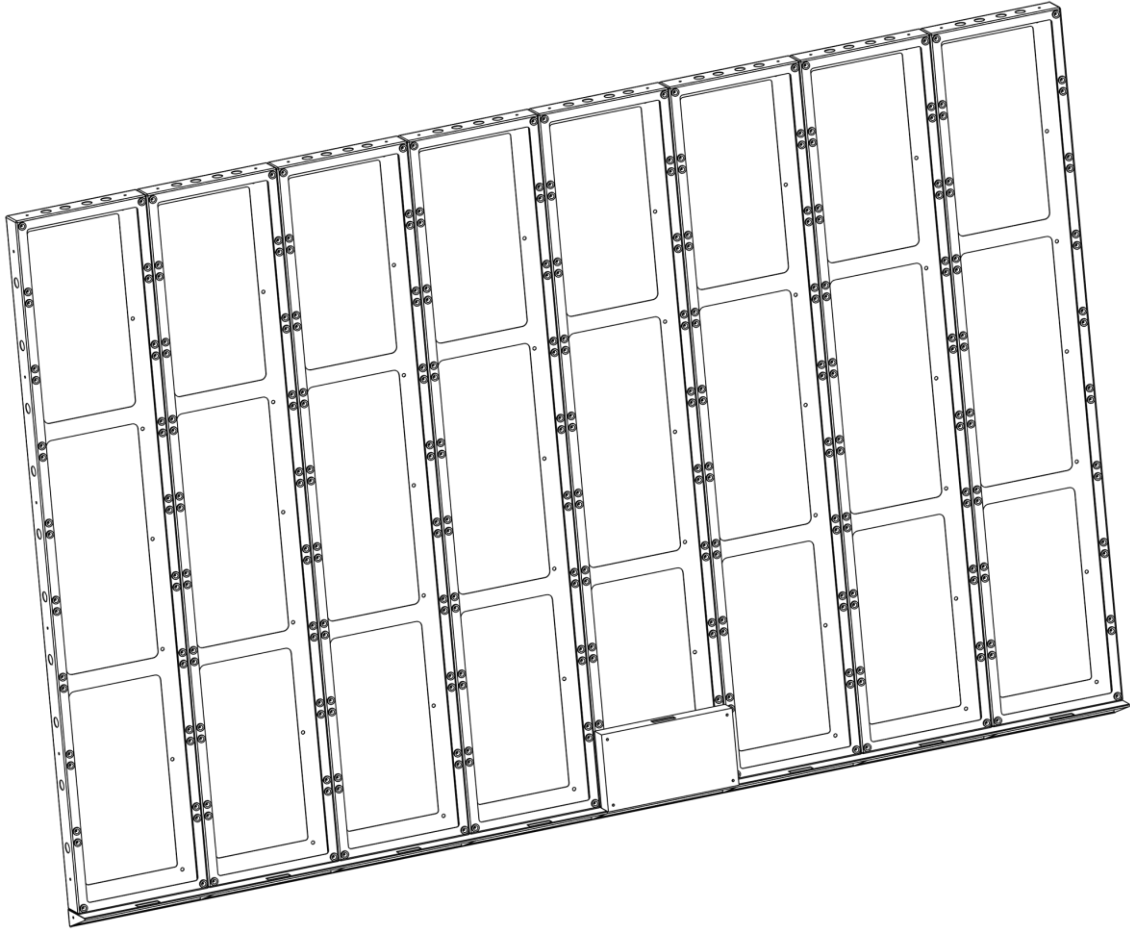


Figure 2-7 Screen Fixed

2. Install the cabinets from the center to both sides until cabinets of the first row installed.

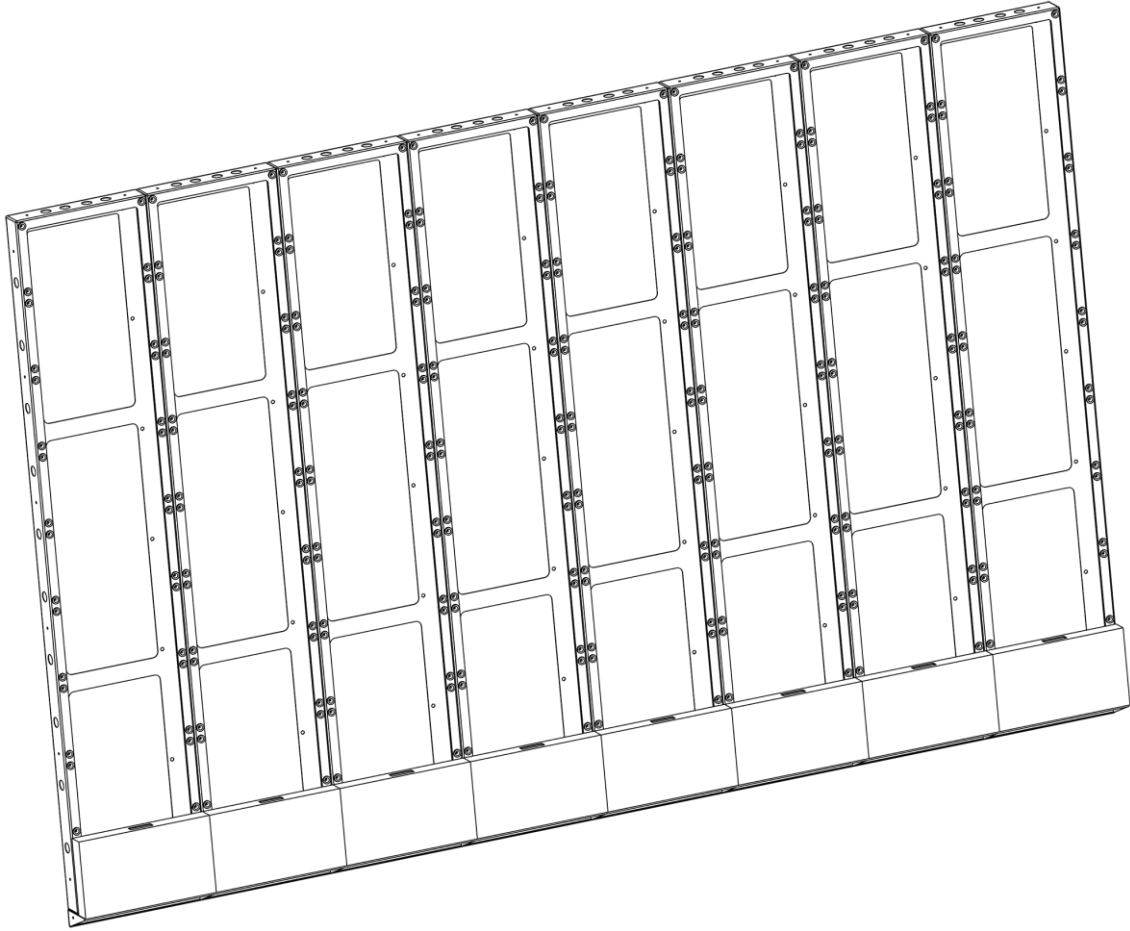


Figure 2-8 Screens Fixed

3. Repeat the above steps to install the other cabinets in the above rows.
4. Use a level to measure and ensure that the cabinets are flat and vertical.

Note

- Do not fix the screws between the connectors and cabinets too tight for future adjustment.
 - In normal cases, lock out LED lamp boards after they are adjusted horizontally and vertically because the boards will probably be moved during the installation of other lamp boards.
 - Ensure that the screen is flat and without evident gap. Otherwise, make some adjustments.
-

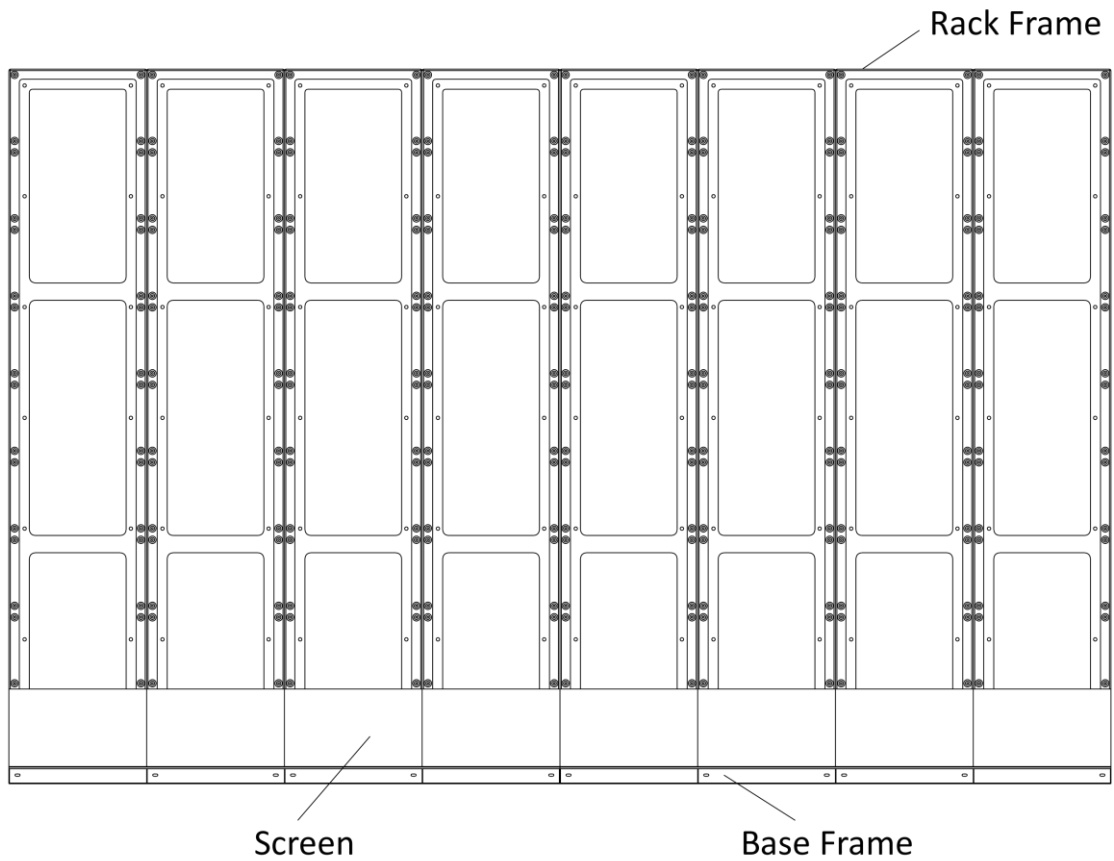


Figure 2-9 Screens of the First Row Fixed

Note

- For details about cabinet stitching, see ***Stitch Cabinet Frames***.
 - For details about lamp boards maintenance, see ***Maintain the Lamp Boards***.
-

5. Repeat the above steps to install the other cabinets.

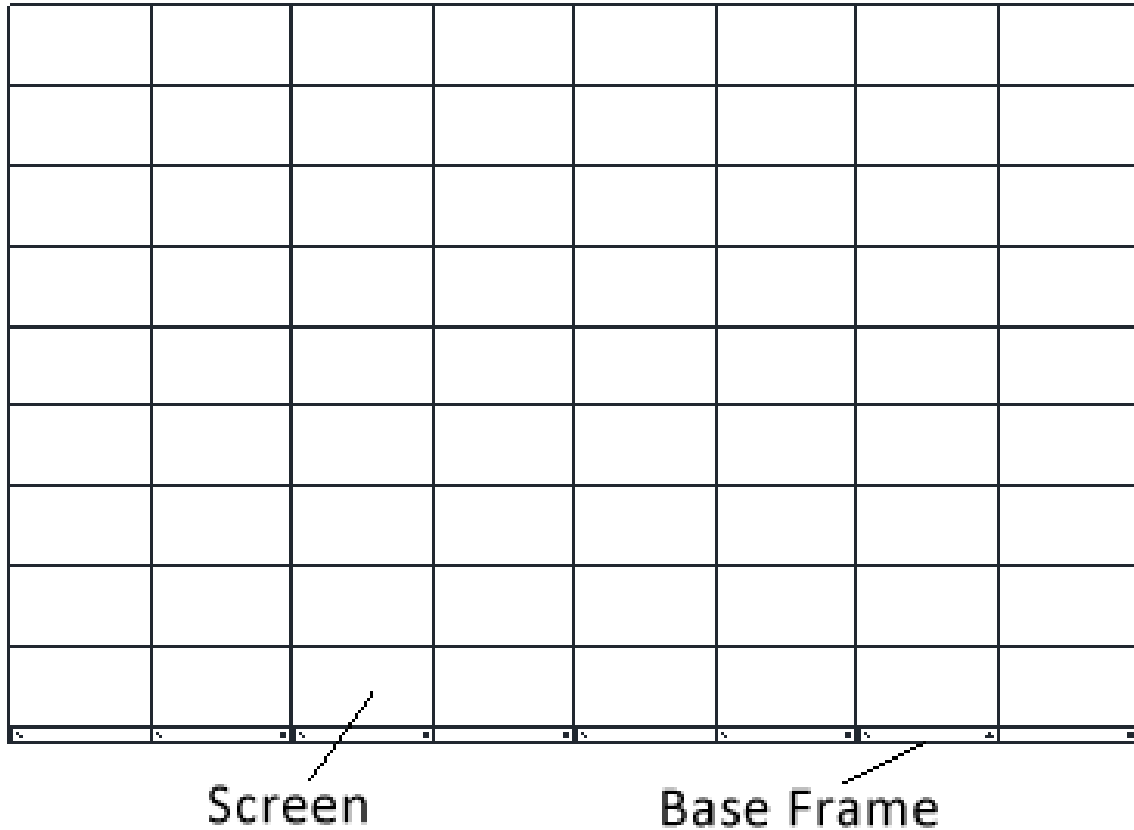


Figure 2-10 Screen Installation Finished

Note

- Install the device no more than 5 mm away from the wall or other metal racks in case of lamp board drop resulting in electric shock.
 - After installation, there should be no openings around the LED module. The bottom bracket under the wire outlet position should completely cover the bottom hole only to let the wire out, to prevent the molten material from dripping to the bottom during fire caused by internal failure.
 - To ensure safety, the installation parts and the wall should support four times the weight of the device.
-

2.2.3 Install the Ultrathin Rack

The ultrathin racks are used for mounting front-maintenance products and rear-maintenance

products.

Install the Bottom Chassis

Steps

1. Use header corners to connect aluminum extrusion rods from bottom to top.

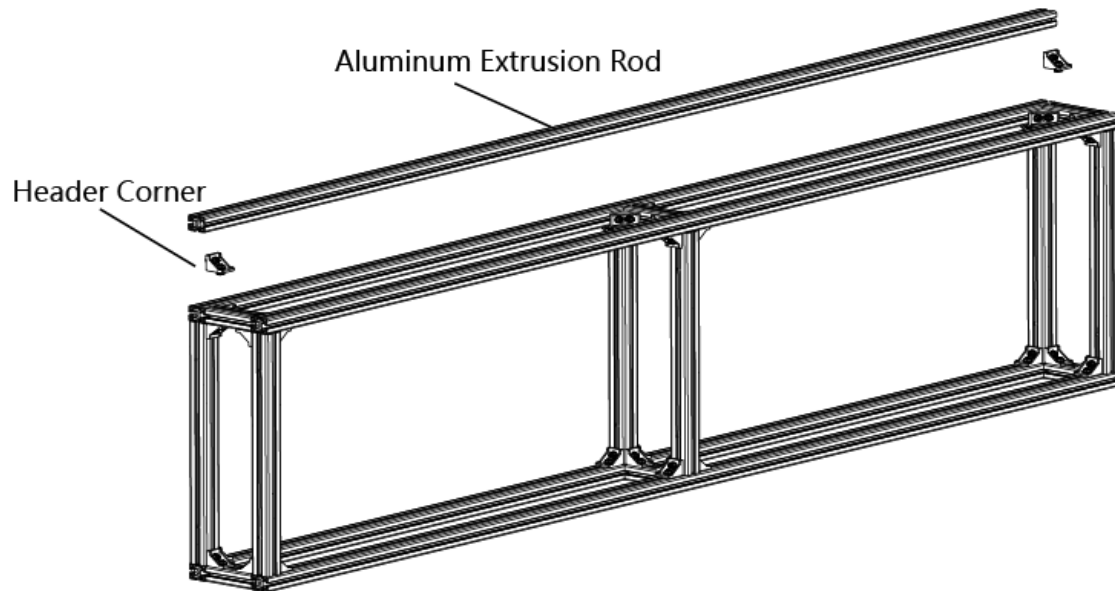


Figure 2-11 Assemble the Base Frame Unit

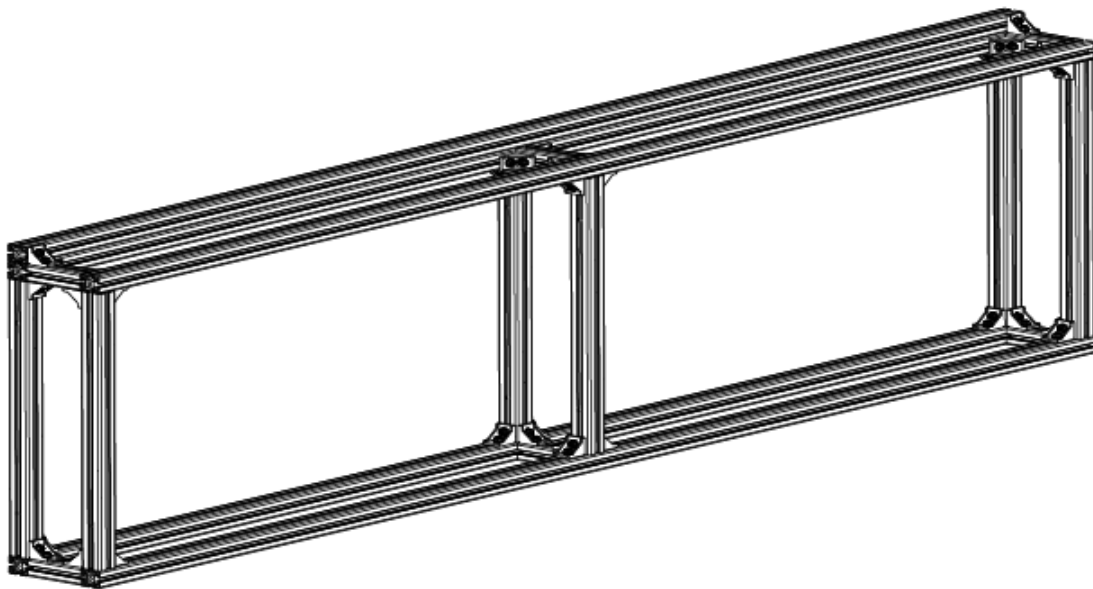


Figure 2-12 Base Frame Unit Assembled

2. Use wedge-locking collector bolts to connect the base frame units.

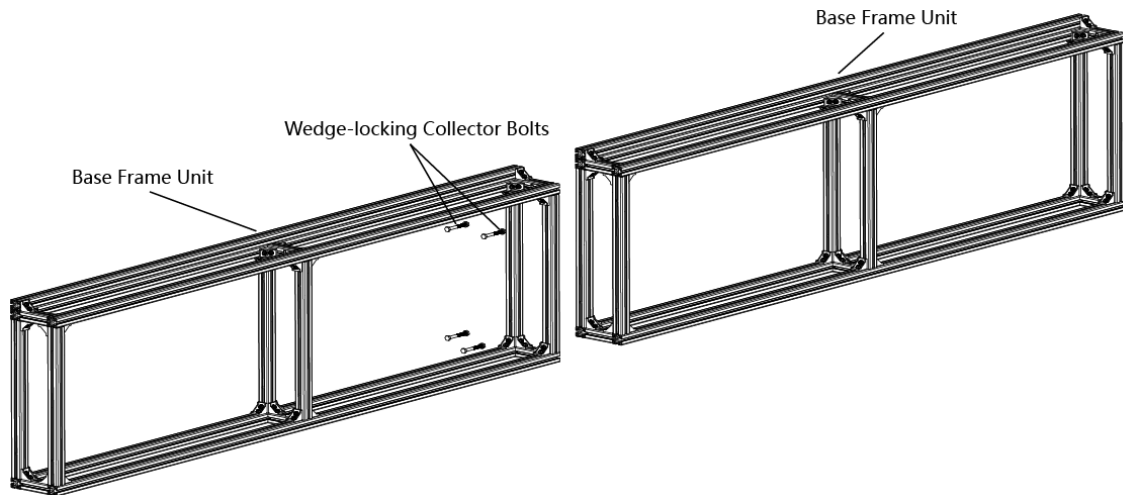


Figure 2-13 Connect the Base Frame Units

3. Position the anchor bolts into the base frame and tighten the bolts.

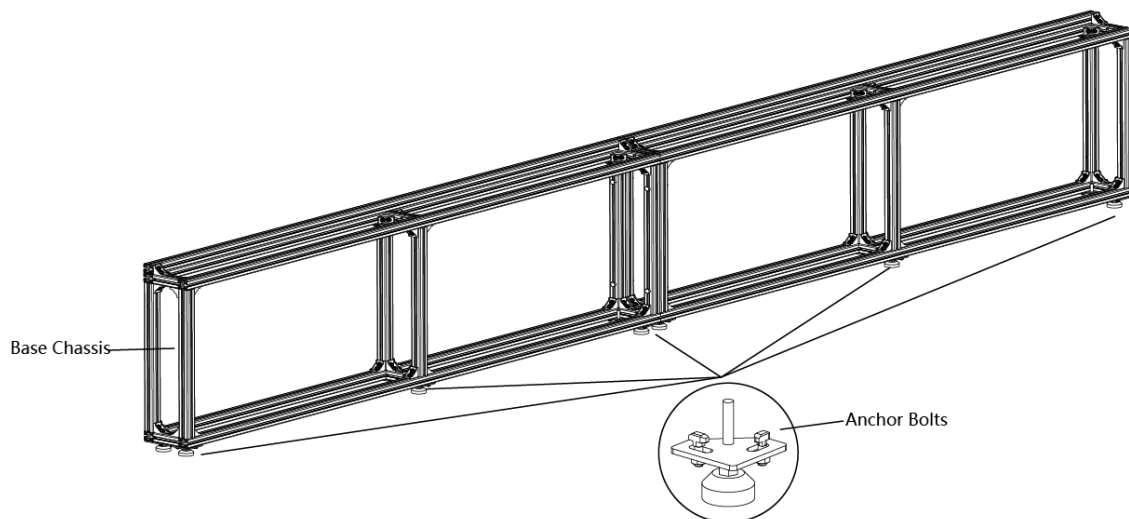


Figure 2-14 Assemble the Base Frame

4. Level the bottom chassis and then tighten the bolts.

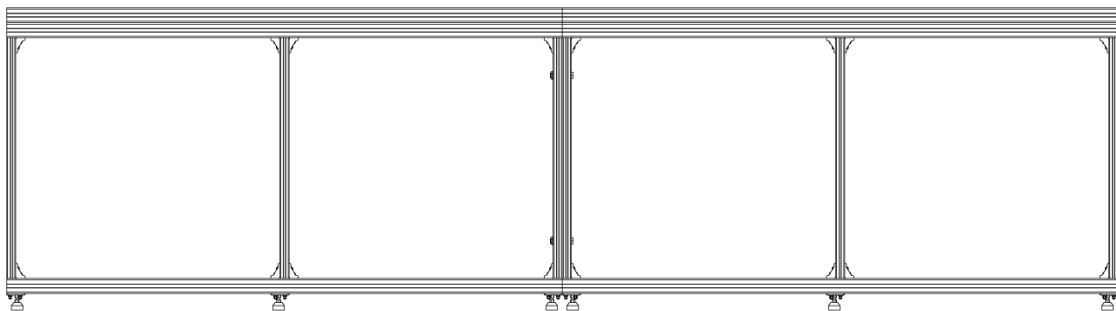


Figure 2-15 Levelled Bottom Chassis

Install the Rack Frame

Steps

1. Use header corners to connect aluminum extrusion rods from bottom to top.

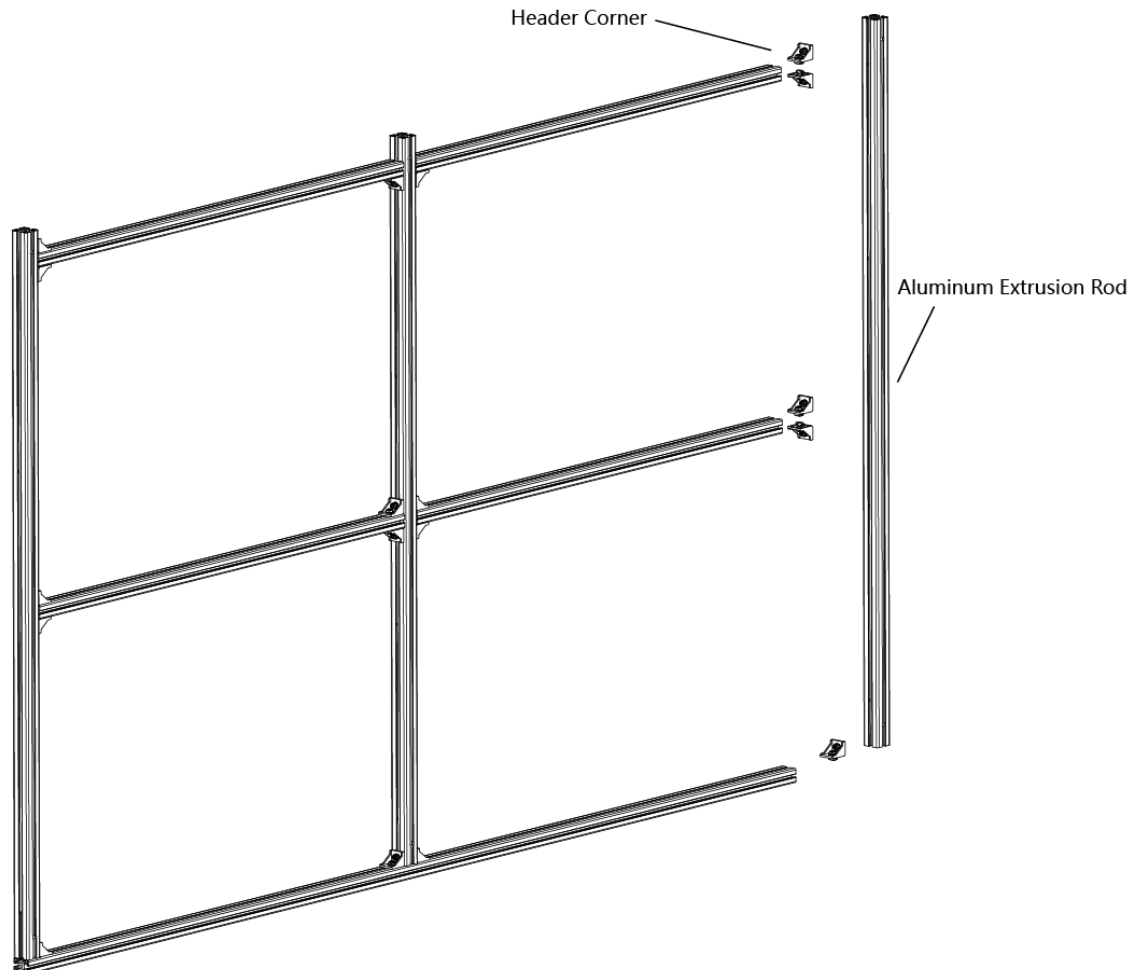


Figure 2-16 Assemble the Rack Frame Unit

2. Use wedge-locking collector bolts to connect the rack frame units.

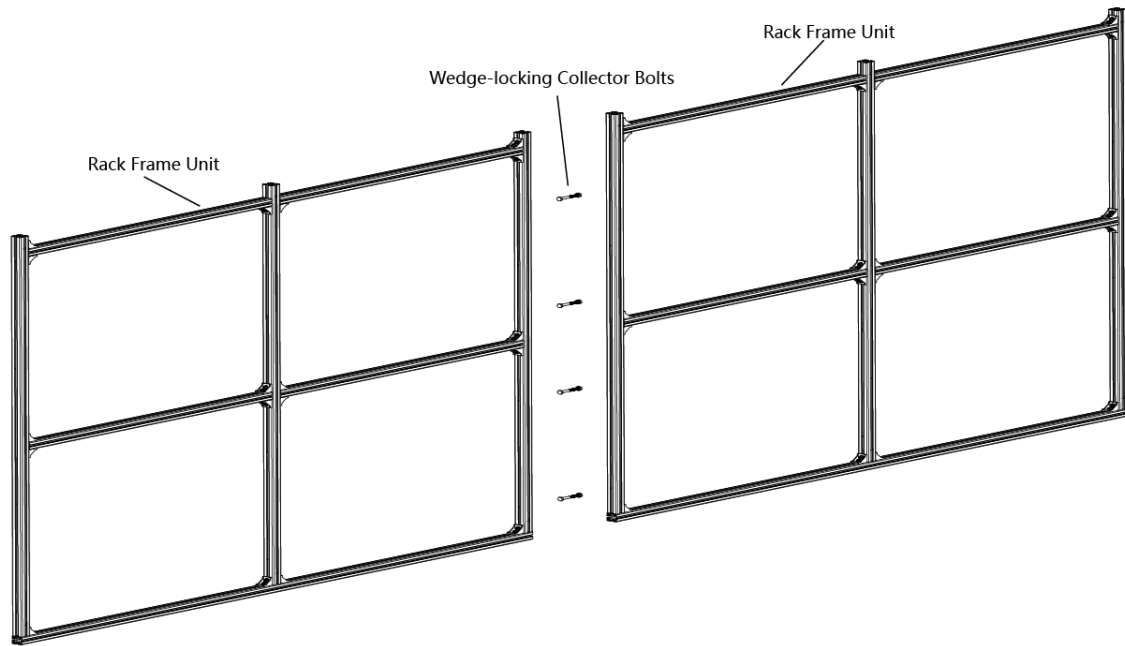


Figure 2-17 Connect the Rack Frame Units

3. Align the rack frame to the base chassis and use wedge-locking collector bolts to fix the frames.

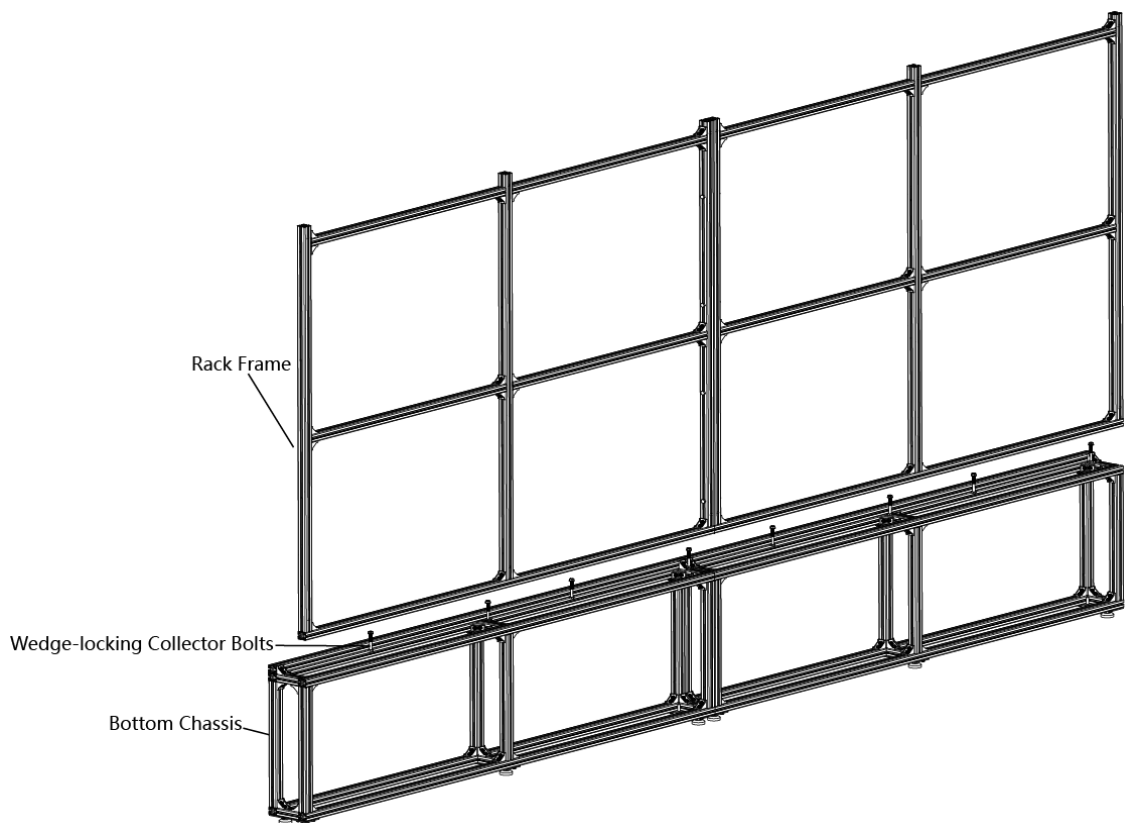


Figure 2-18 Align the Rack Frame to the Base Chassis

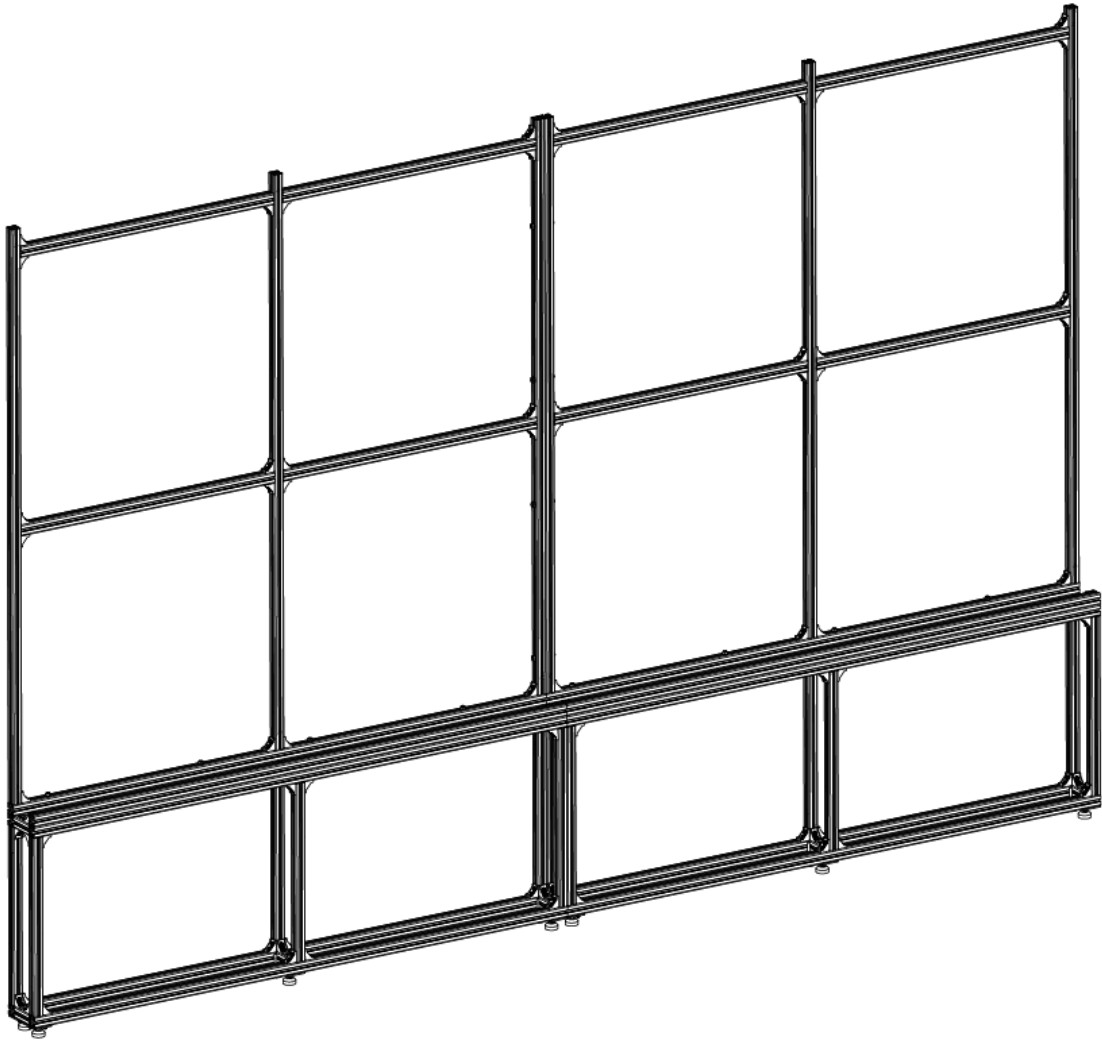


Figure 2-19 Frames Aligned

Install the Rear Pulling Rods (for Large-scale Project)

Steps

1. Use the wedge-locking collector bolts to fix the rear pulling rods into the rack frame.

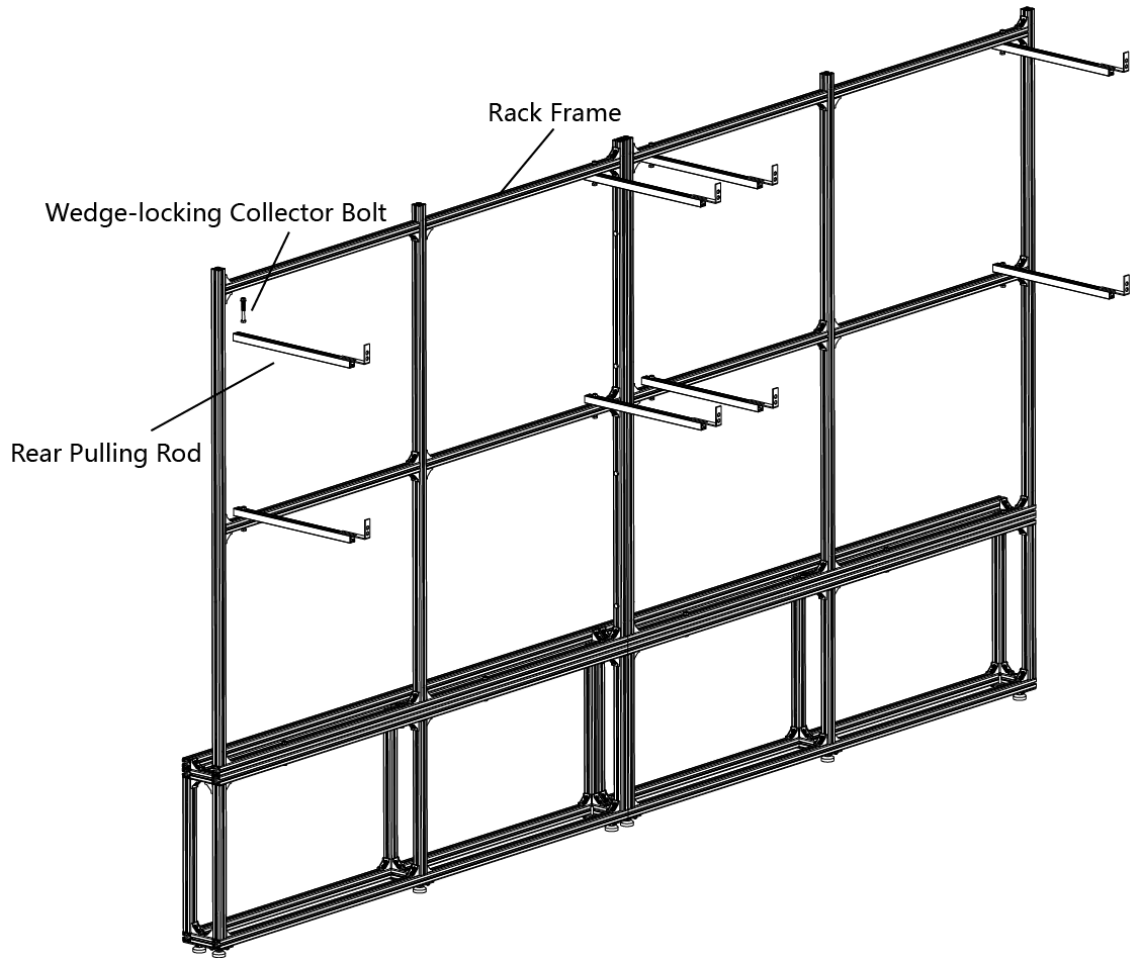


Figure 2-20 Fix the Rear Pulling Rods into the Rack frame

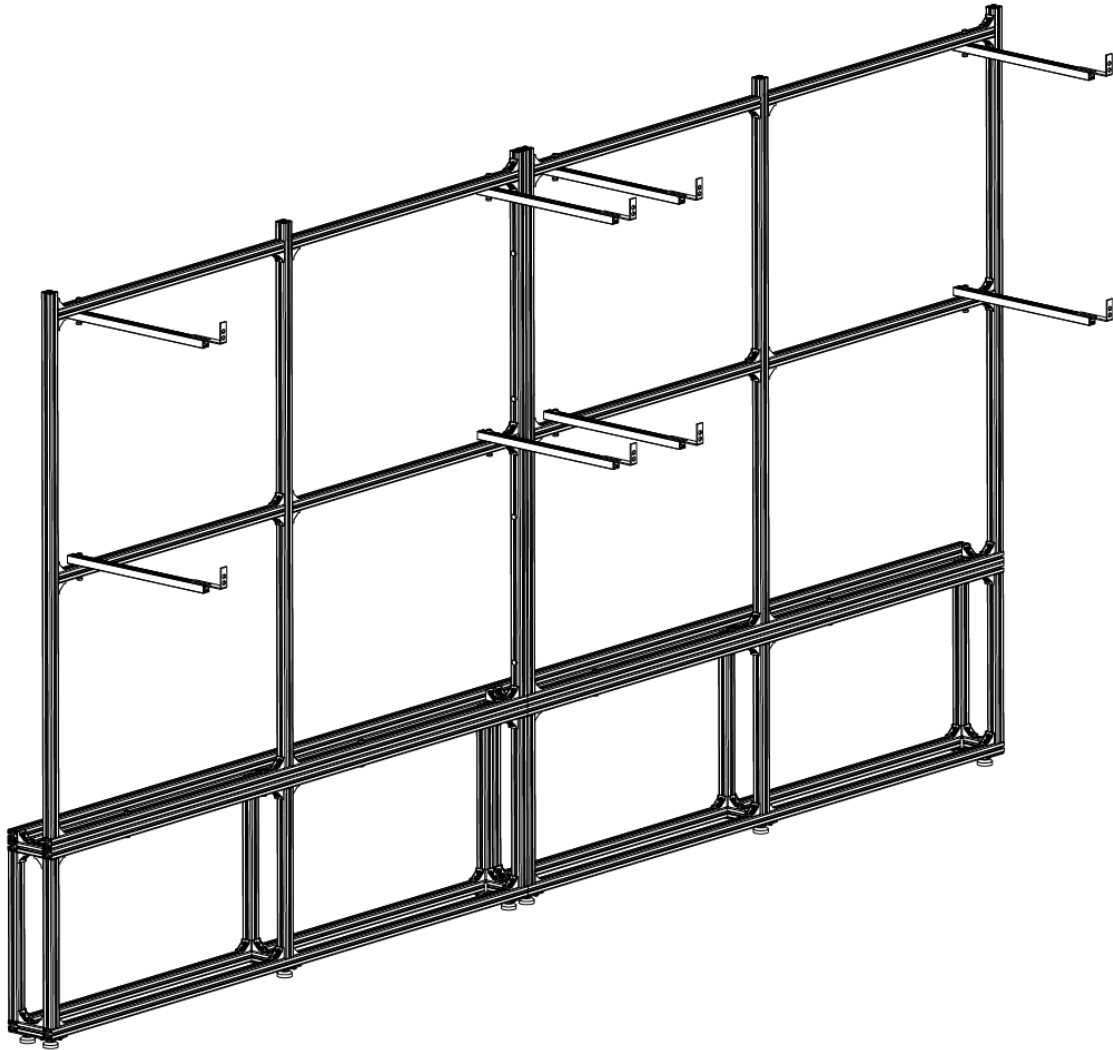


Figure 2-21 Rear Pulling Rods Fixed

2. Use the expansion bolts to fix the rear pulling rods onto the bearing wall.

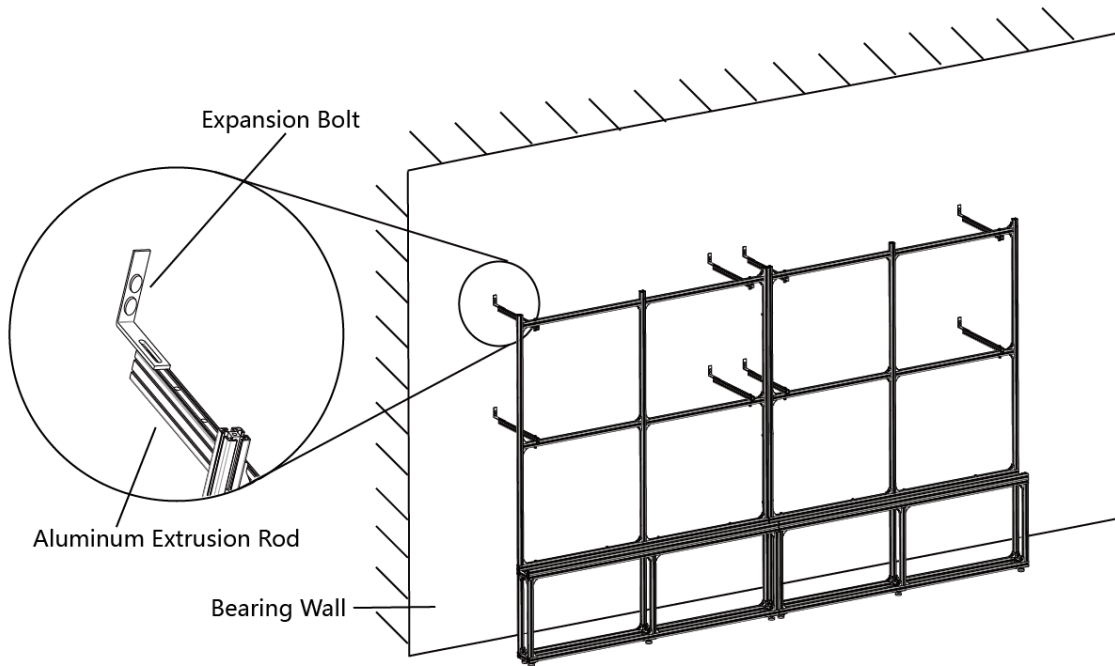


Figure 2-22 Fix the Rear Pulling Rods onto the Bearing Wall

Install the Connectors

The connectors are divided into two parts: customized front joint piece which is used to connect the screens, and back connecting component which is used to connect the rack frame. The following figures list three types of connectors and the positions where the connectors used respectively.

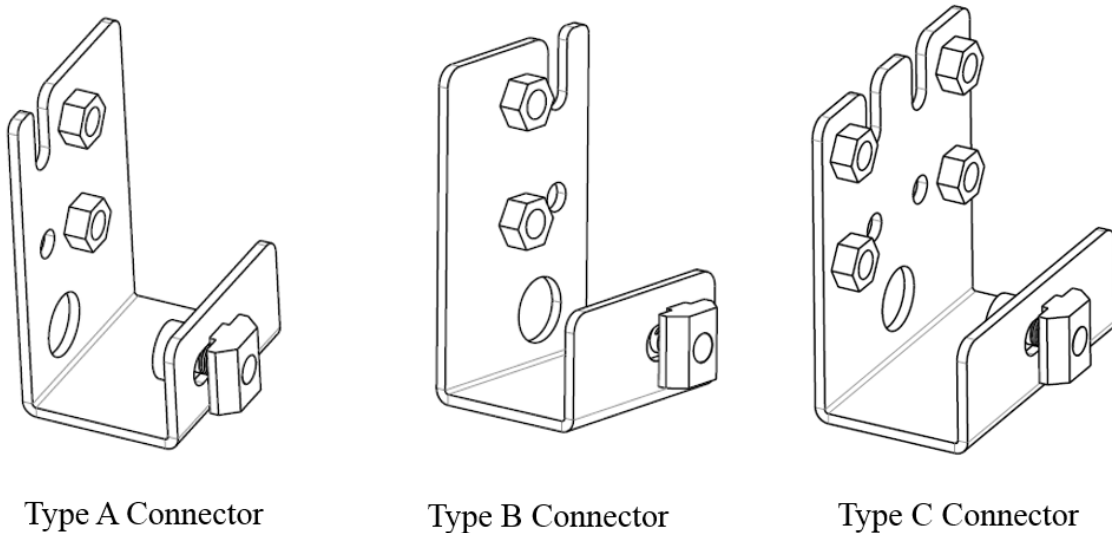


Figure 2-23 Connectors

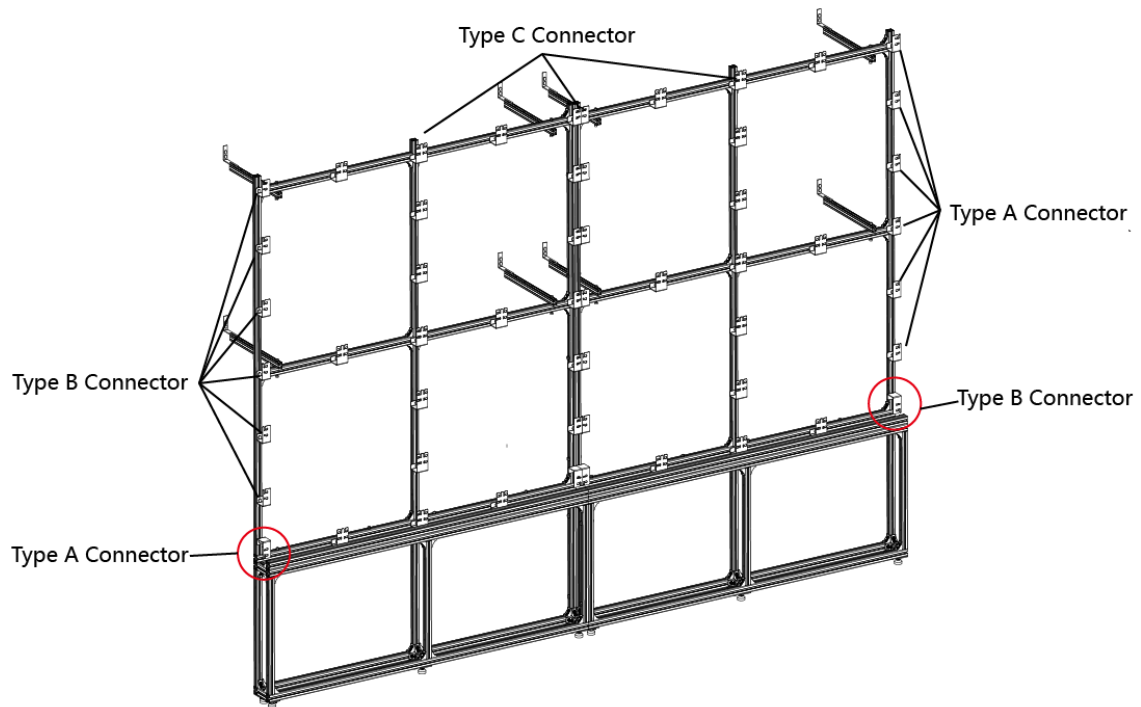


Figure 2-24 Connectors Installed

Note

Please pay attention to the types of outermost connectors between rack frame and bottom chassis.

Steps

1. Twist the hexagonal screws into the T-Shaped nuts.
2. Insert the T-Shaped nuts into the slots of aluminum extrusion rods, and move the connectors to the suitable place.

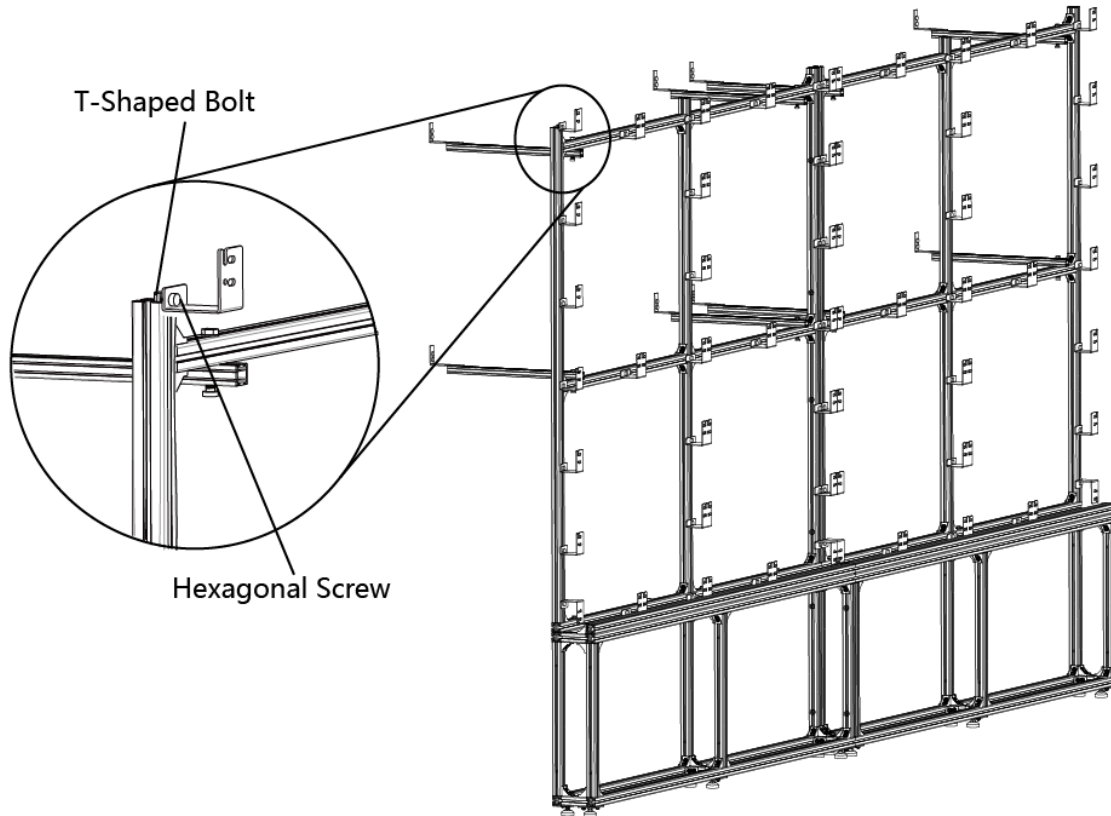


Figure 2-25 Install the Connectors

3. Secure the connectors to the rack frame with screws.

Install Cabinets into the Rack Frame

After the bottom chassis, rack frame and connectors are well installed, perform the following steps to install the cabinets into the rack frame:

Steps

1. Install the first cabinet from the lower middle part. Level and secure the cabinet to the connectors on the rack frame. For screens do not have connectors near the rear, use joint pieces to fix the screen.

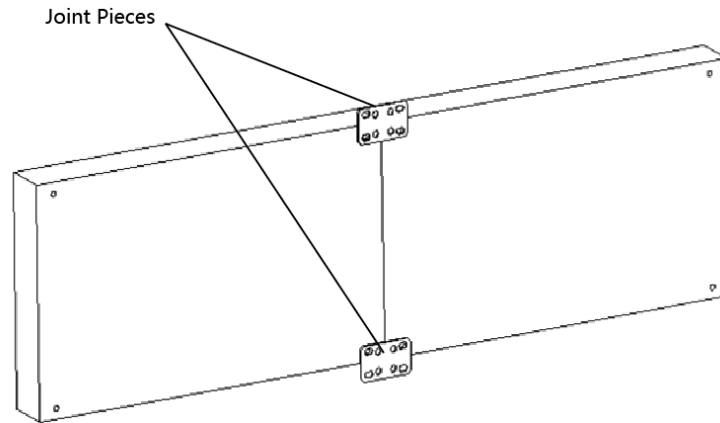


Figure 2-26 Fix the Screen with Joint Pieces

Note

- Install the cabinets from the bottom to the top, from the middle to the sides.
 - Do not fix the screws between the connectors and cabinets too tight for future adjustment.
 - In normal cases, lock out LED lamp boards after they are adjusted horizontally and vertically because the boards will probably be moved during the installation of other lamp boards.
 - Ensure that the screen is flat and without evident gap. Otherwise, make some adjustments.
-

2. Repeat the above steps to install the other cabinets in the lowest row.

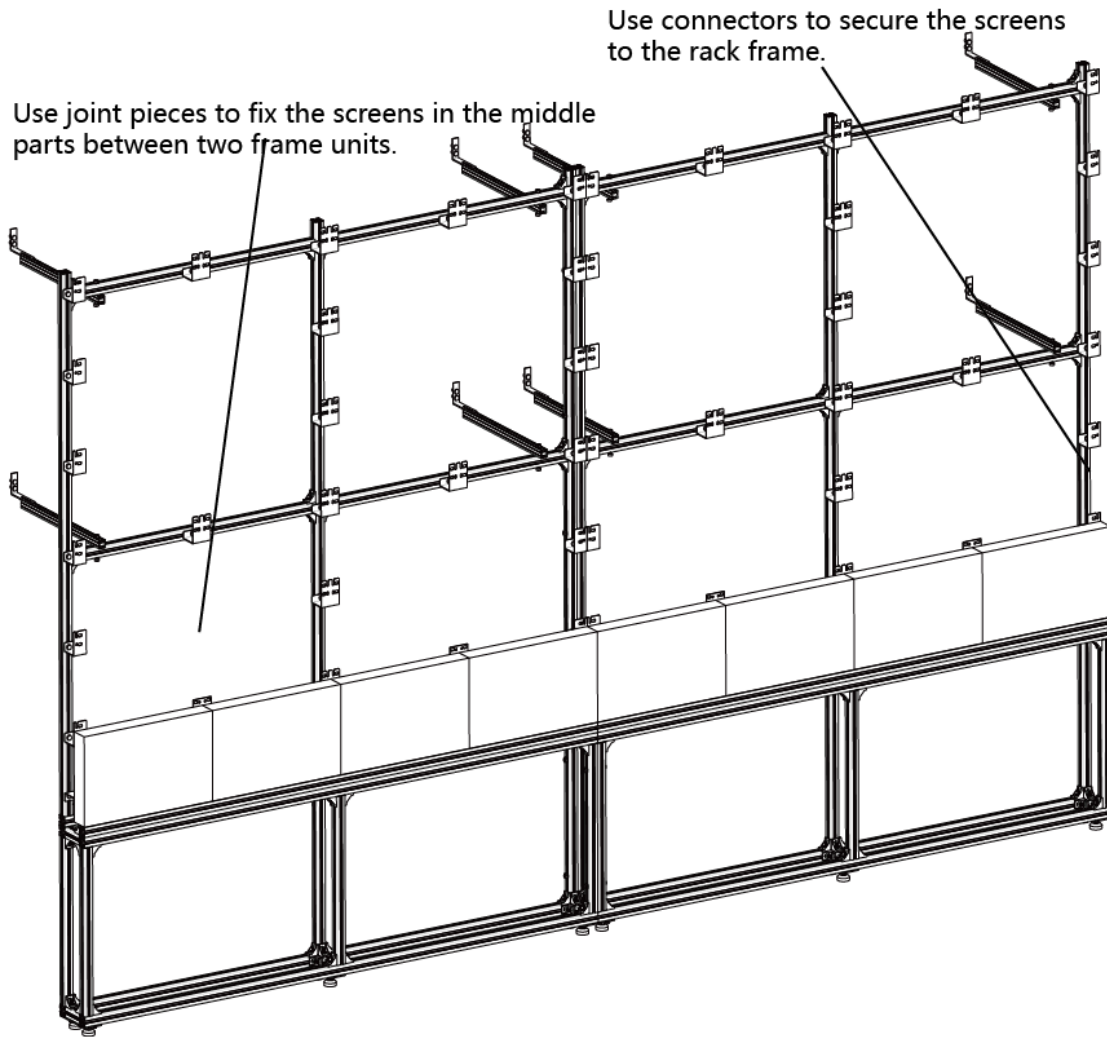


Figure 2-27 Fix the Screens

3. Use a level to measure and ensure that the cabinets are flat and vertical.

Note

When there is a deviation in height, simply place a thin iron sheet under the bottom. Do not try to resolve the deviation by hitting the cabinets on the top because it will result in larger deviation later.

4. Repeat the above steps to complete the installation of other cabinets.

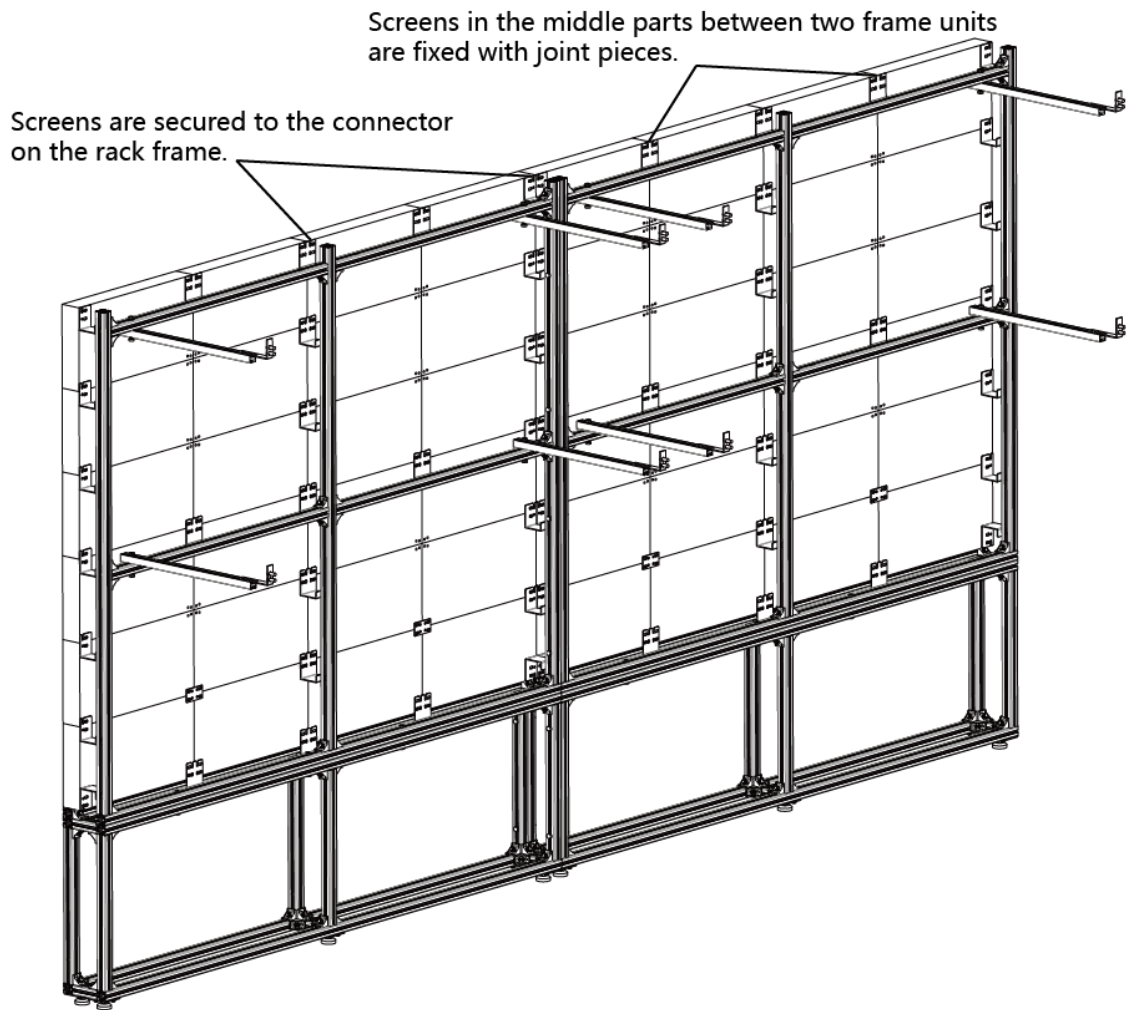


Figure 2-28 Screens Fixed

5. Ensure that all the cabinets are flat and vertical and the seams between the cabinets are even. Then tighten the screws to complete the installation.

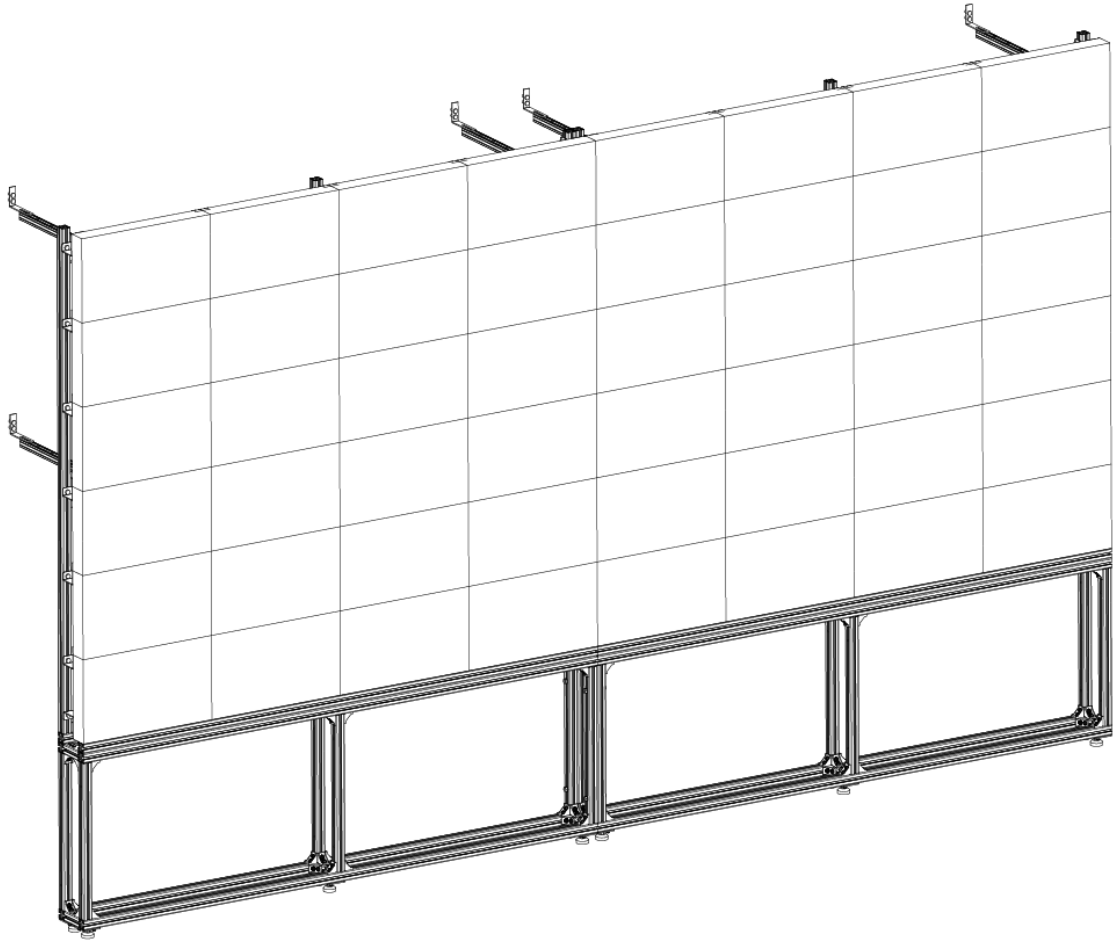


Figure 2-29 Screen Installation Finished

Note

- For details about cabinet stitching, see [***Stitch Cabinet Frames***](#).
 - For details about lamp boards maintenance, see [***Maintain the Lamp Boards***](#).
-

2.2.4 Install the All-in-One Rack

The all-in-one racks are used for mounting front-maintenance products and rear-maintenance products.

Install the Bottom Chassis

Steps

1. Use header corners to connect aluminum extrusion rods.

Note

It is recommended to assemble the base frame units from bottom to top.

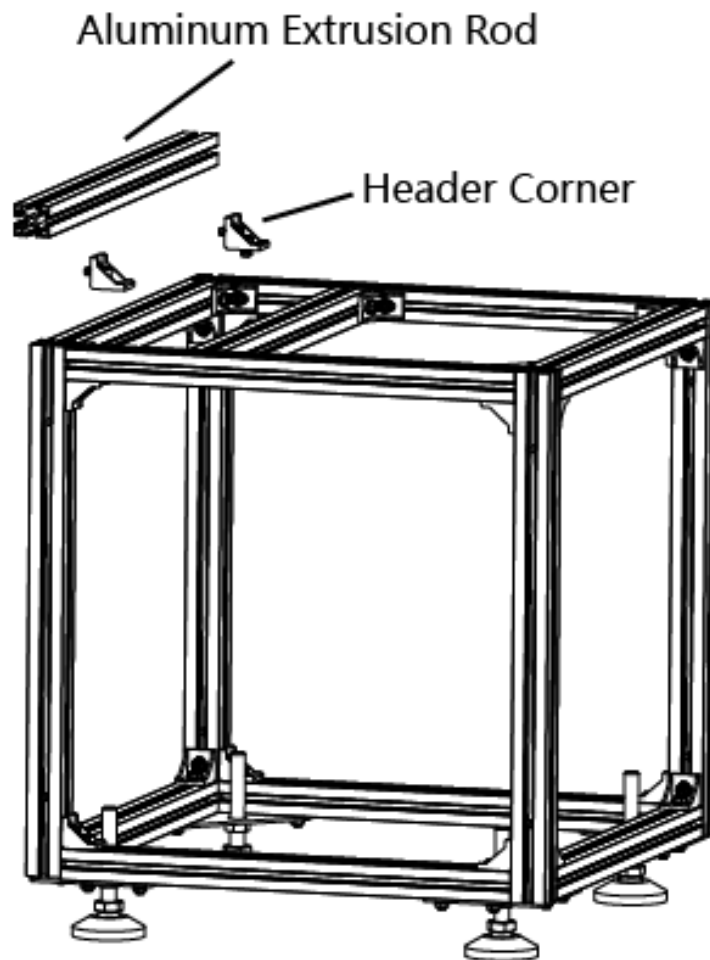


Figure 2-30 Assemble the Base Frame Unit

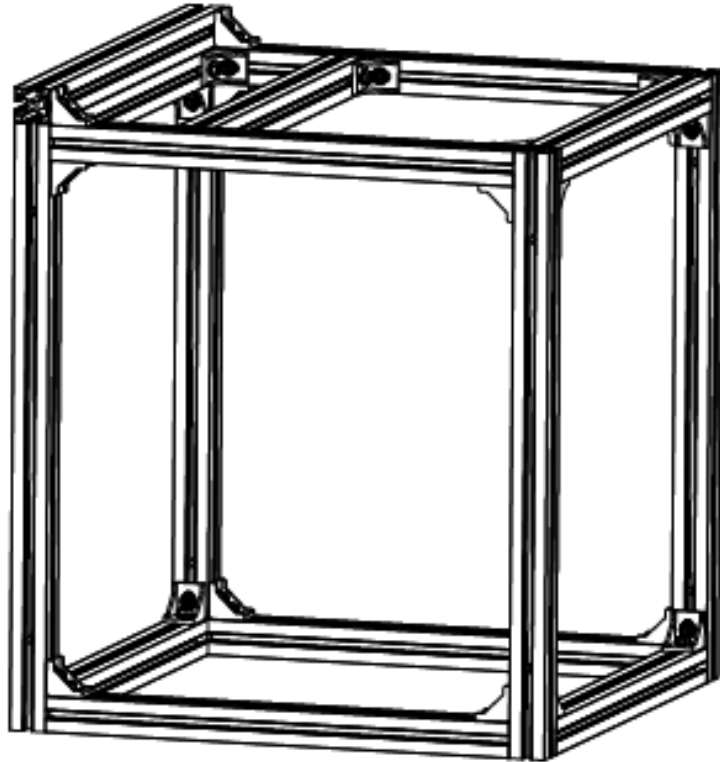


Figure 2-31 Base Frame Unit Assembled

2. Use wedge-locking collector bolts to connect the base frame units.

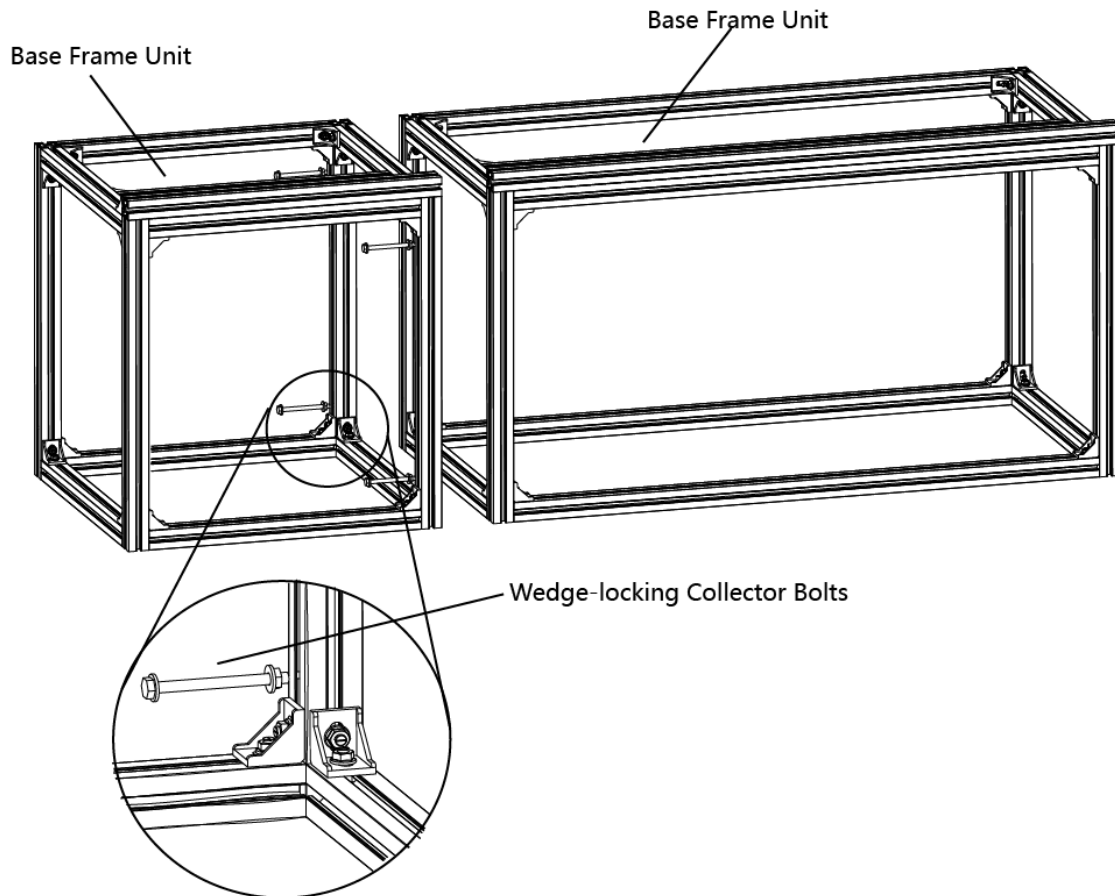


Figure 2-32 Connect the Base Frame Units

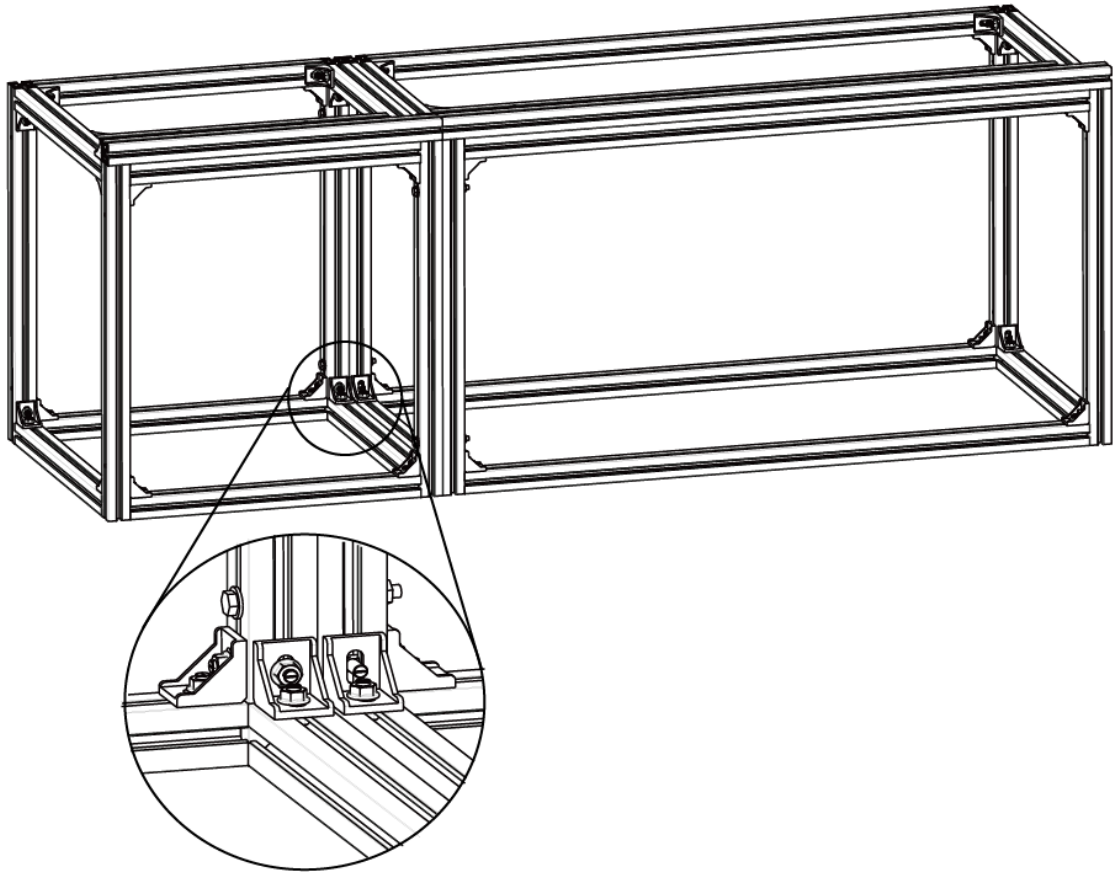


Figure 2-33 Base Frame Units Connected

3. Repeat the above steps to connect the other base frame units.

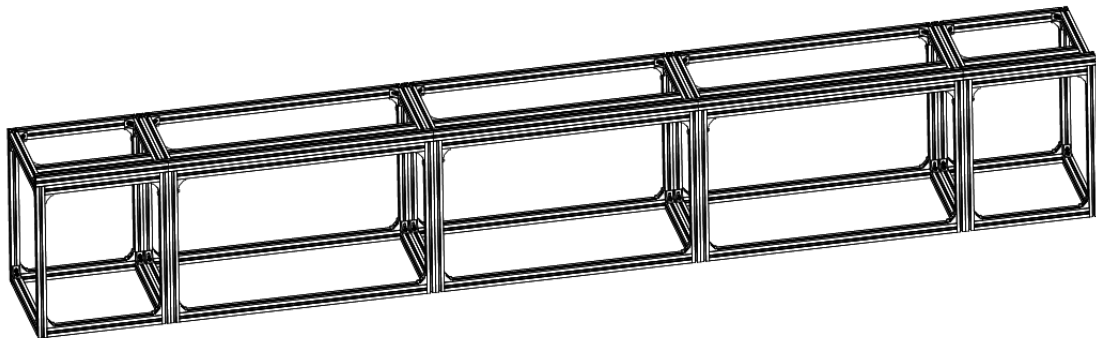


Figure 2-34 Base Frame

4. Position the anchor bolts into the base frame and tighten the bolts.

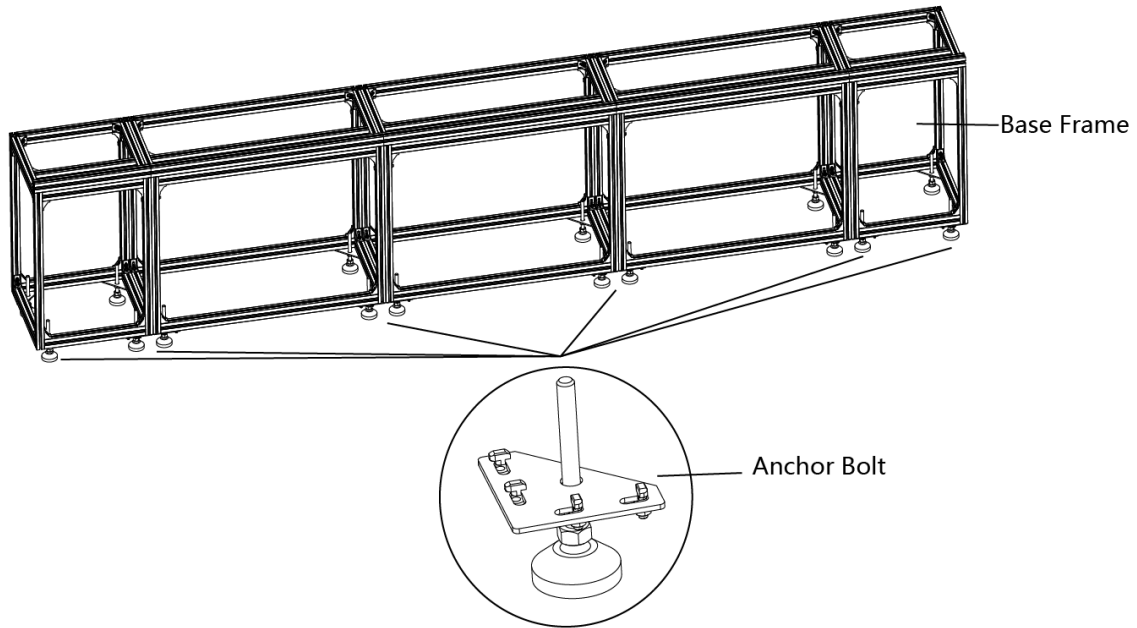


Figure 2-35 Assemble the Base Frame

5. Level the bottom chassis and then tighten the bolts.

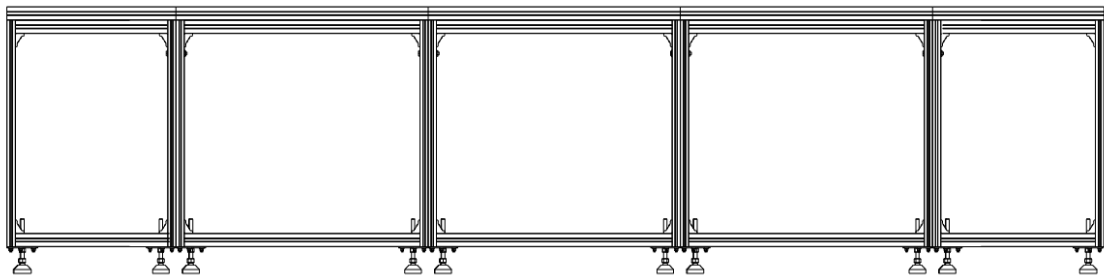


Figure 2-36 Levelled Bottom Chassis

Install the Rack Frame

Steps

1. Use header corners to connect aluminum extrusion rods.

Note

It is recommended to assemble the rack frame units from bottom to top.

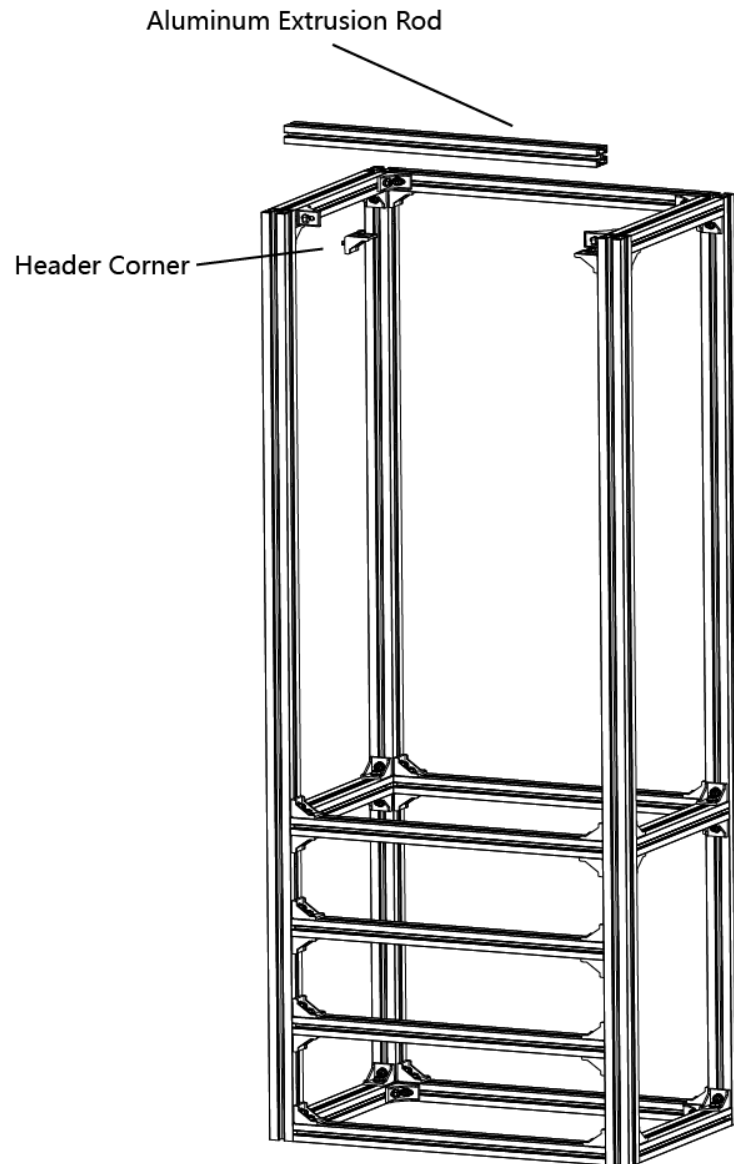


Figure 2-37 Assemble the Rack Frame Unit

2. Use wedge-locking collector bolts to connect the rack frame units.

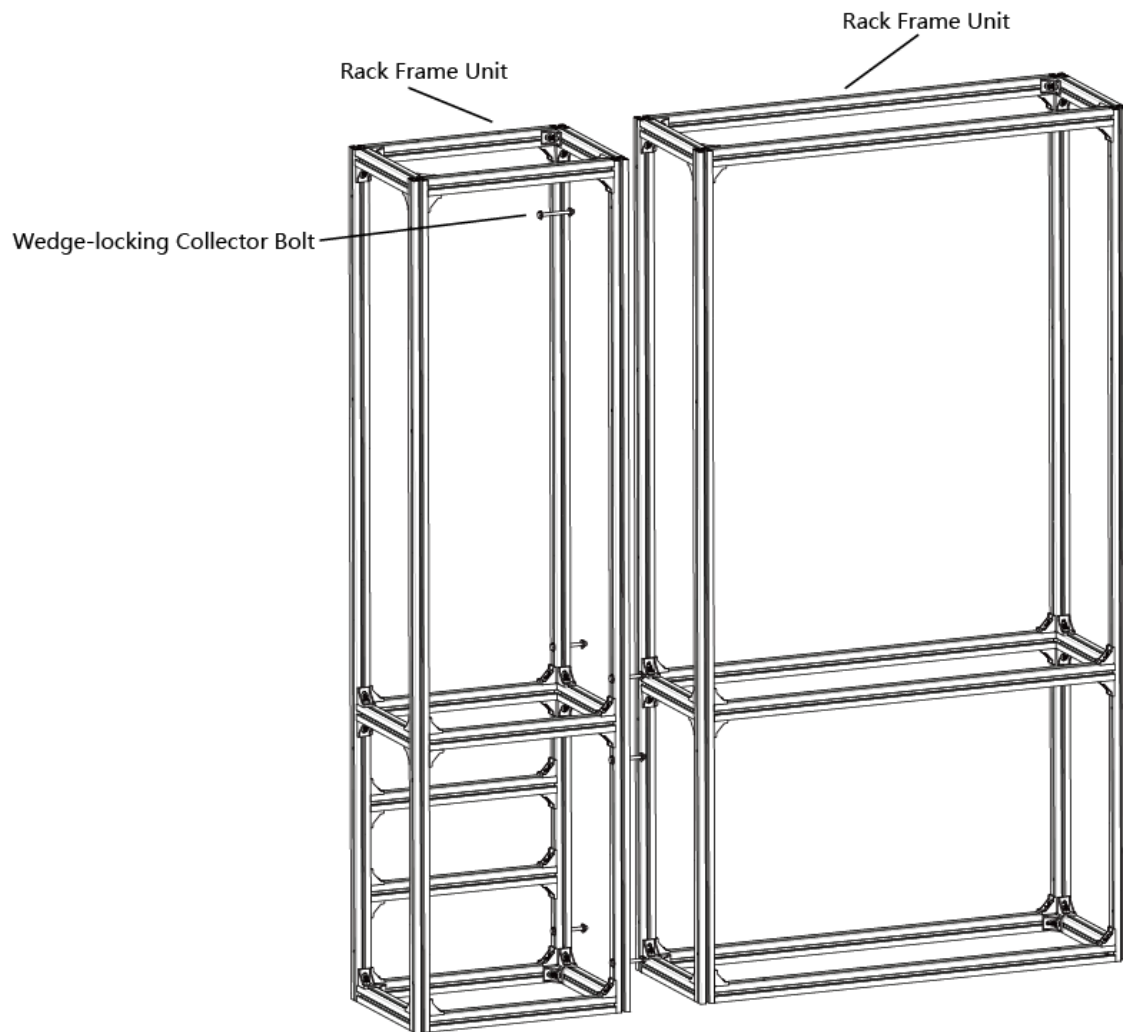


Figure 2-38 Connect the Rack Frame Units

3. Repeat the above steps to connect the other rack frame units.

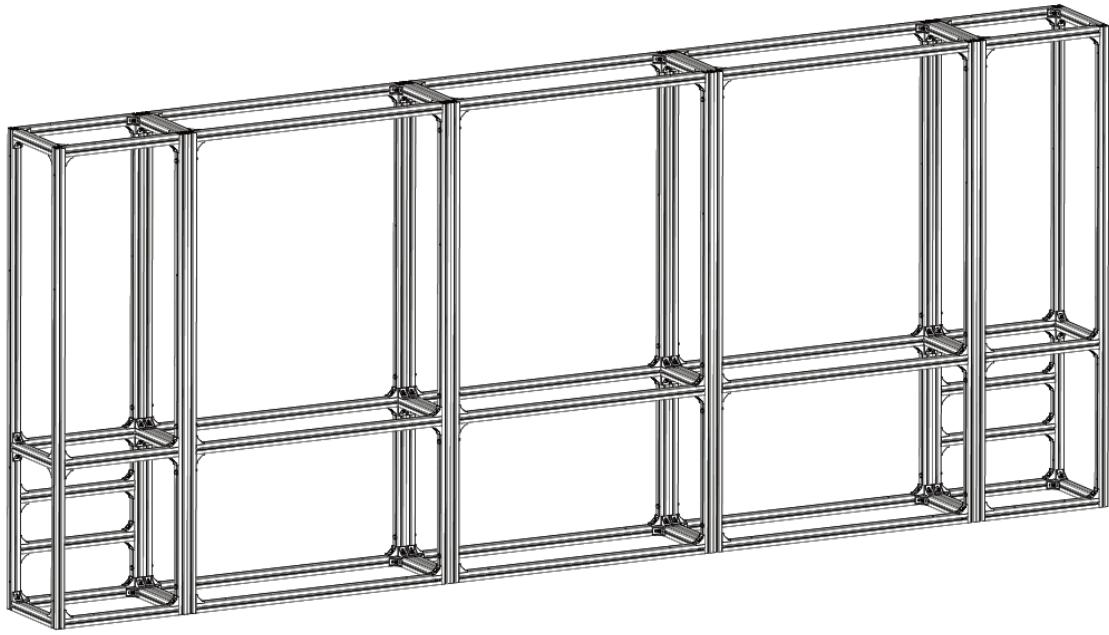


Figure 2-39 Rack Frame

4. Align the rack frame to the base chassis and use wedge-locking collector bolts to fix the frames.

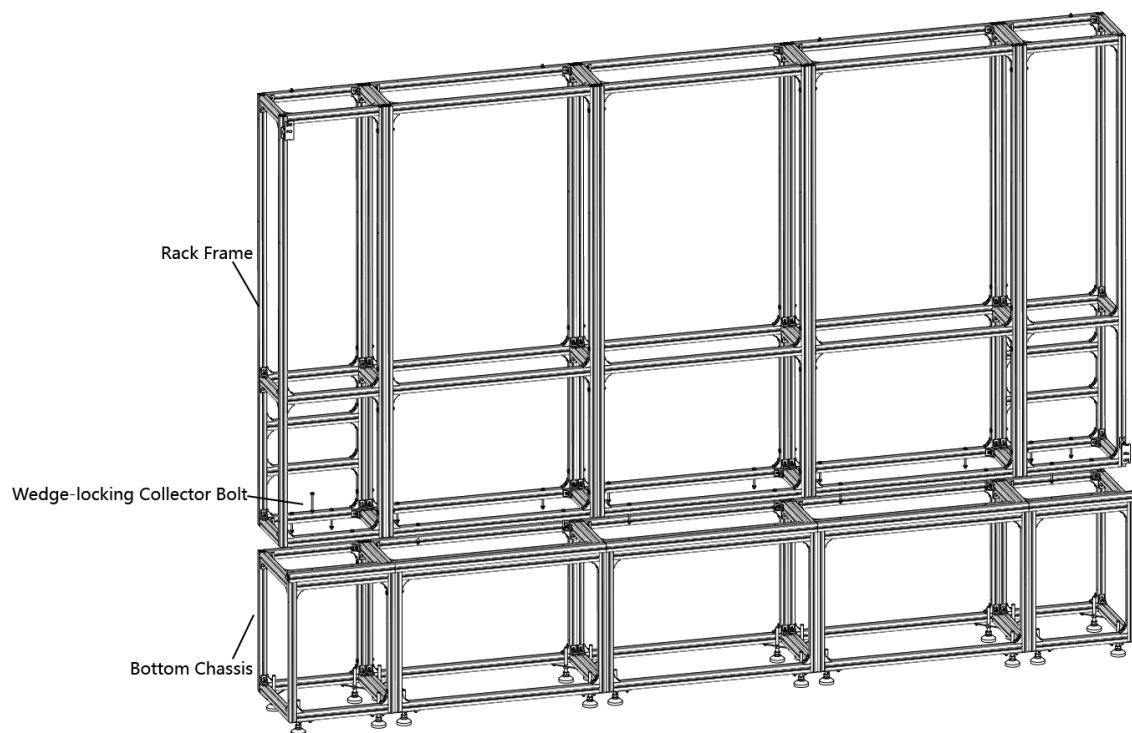


Figure 2-40 Align the Rack Frame to the Base Chassis

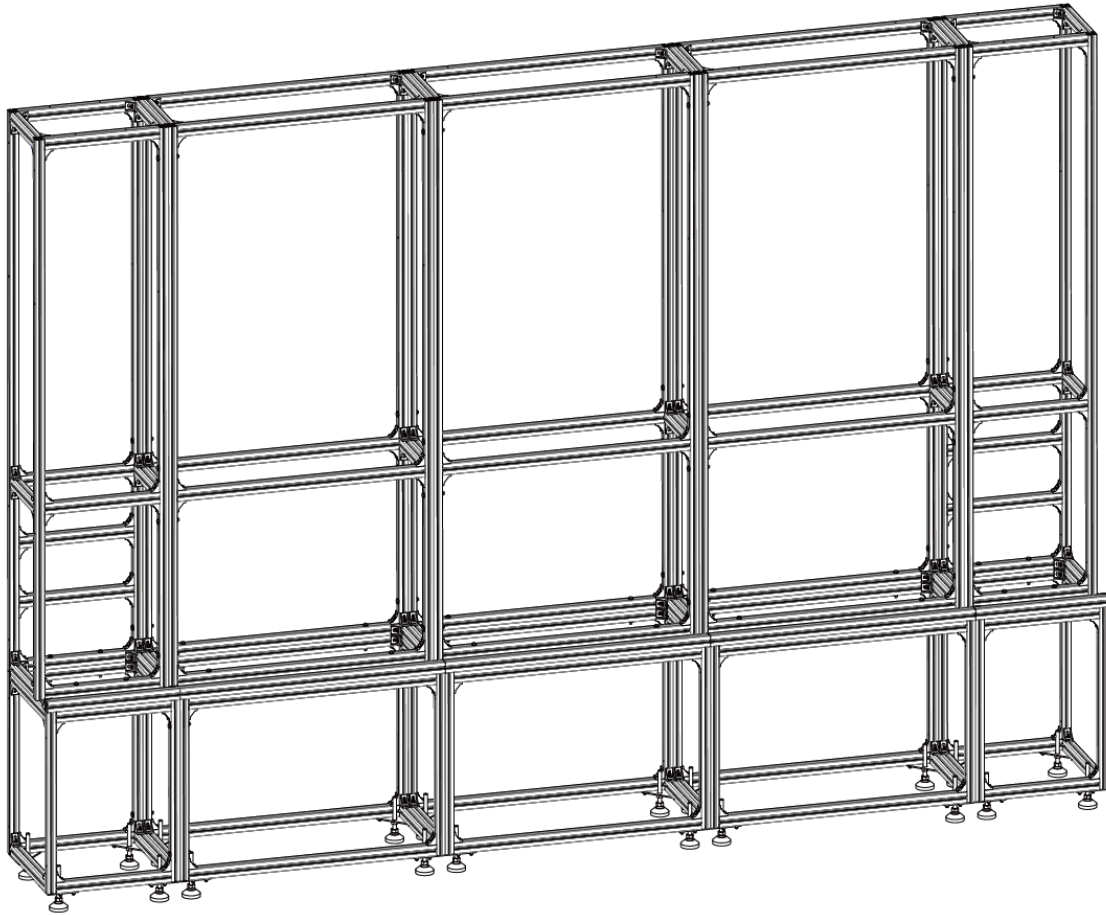


Figure 2-41 Frames Aligned

Install the Rear Pulling Rods (for Large-scale Project)

Steps

1. Use the wedge-locking collector bolts to fix the rear pulling rods into the rack frame.

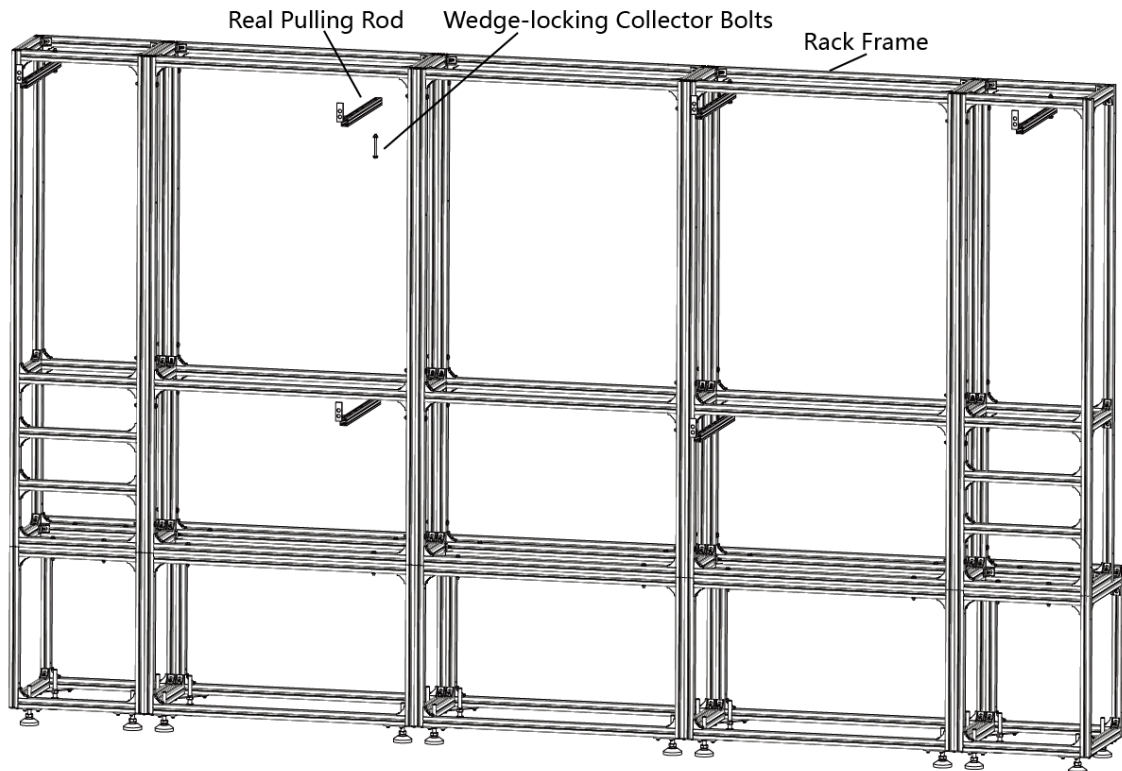


Figure 2-42 Fix the Rear Pulling Rods into the Rack Frame

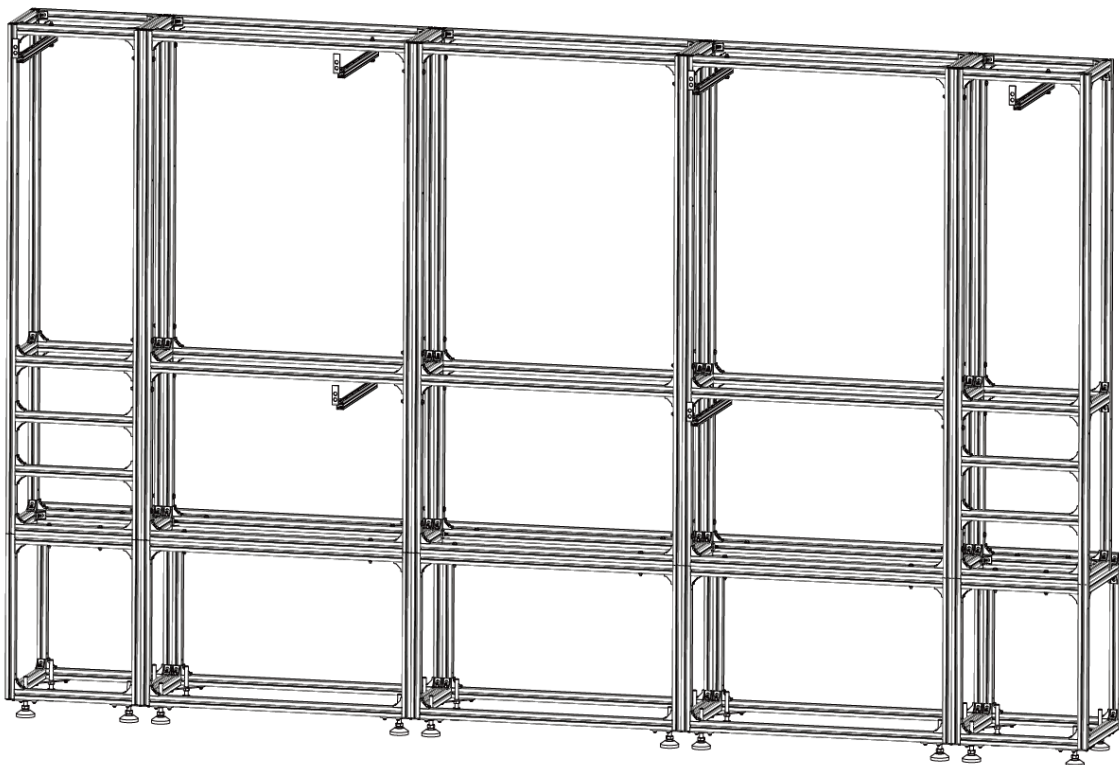


Figure 2-43 Rear Pulling Rods Fixed

2. Use the expansion bolts to fix the rear pulling rods onto the bearing wall.

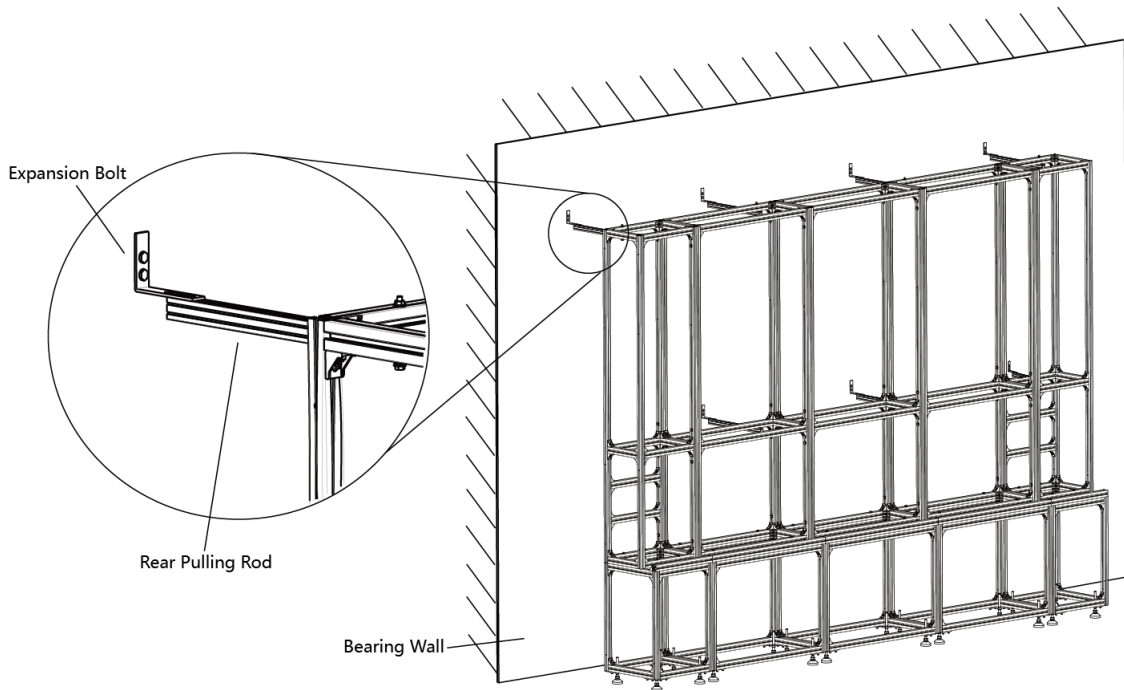


Figure 2-44 Fix the Rear Pulling Rods onto the Bearing Wall

Install the Connectors

The connectors are divided into two parts: customized front joint piece which is used to connect the screens, and back connecting component which is used to connect the rack frame. The following figures list three types of connectors and the positions where the connectors used respectively.

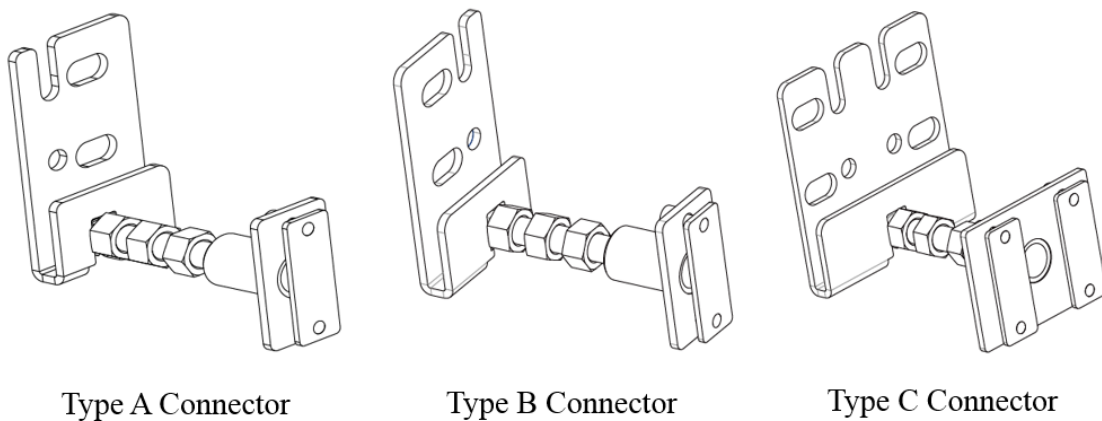


Figure 2-45 Connectors

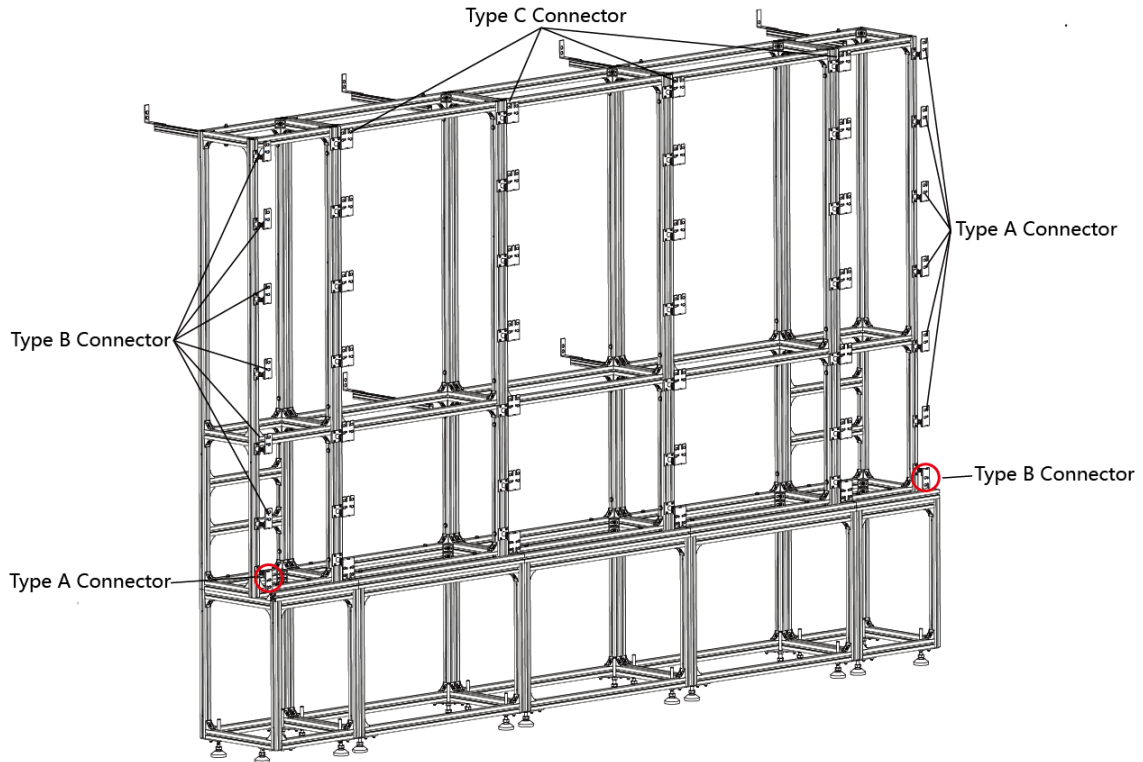


Figure 2-46 Connectors Installed

Note

Please pay attention to the types of outermost connectors between rack frame and bottom chassis.

Steps

1. Twist the hexagonal screws into the screw thread plates.
2. Insert the screw thread plates into the slots of aluminum extrusion rods, and move the connectors to the suitable place.

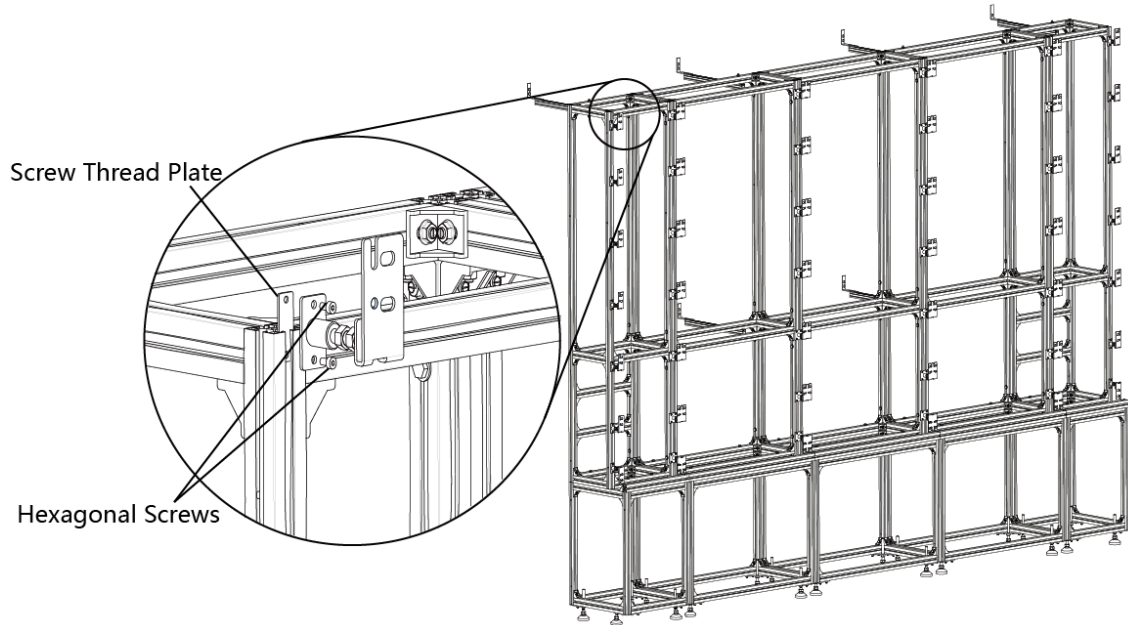


Figure 2-47 Install the Connectors

3. Secure the connectors to the rack frame with screws.

Install Cabinets into the Rack Frame

After the bottom chassis, rack frame and connectors are well installed, perform the following steps to install the cabinets into the rack frame:

Steps

1. Install the first cabinet from the lower middle part. Level and secure the cabinet to the connectors on the rack frame. For the screens do not have connectors near the rear, use joint pieces to fix the screen.

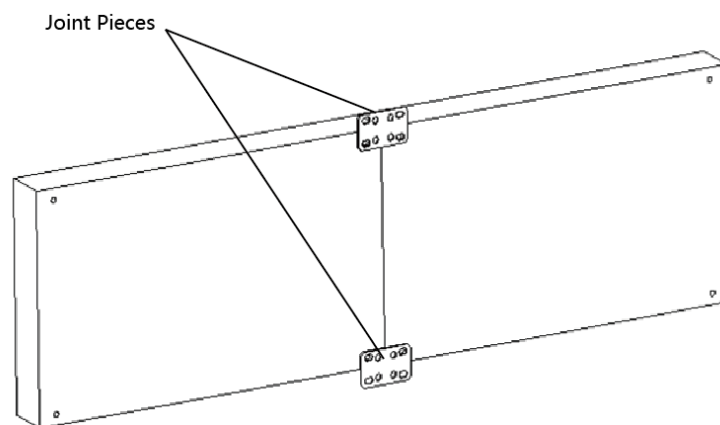


Figure 2-48 Fix the Screen with Joint Pieces

Note

- Install the cabinets from the bottom to the top, from the middle to the sides.
 - Do not fix the screws between the connectors and cabinets too tight for future adjustment.
 - In normal cases, lock out LED lamp boards after they are adjusted horizontally and vertically because the boards will probably be moved during the installation of other lamp boards.
 - Ensure that the screen is flat and without evident gap. Otherwise, make some adjustments.
-

2. Repeat the above steps to install the other cabinets in the lowest row.

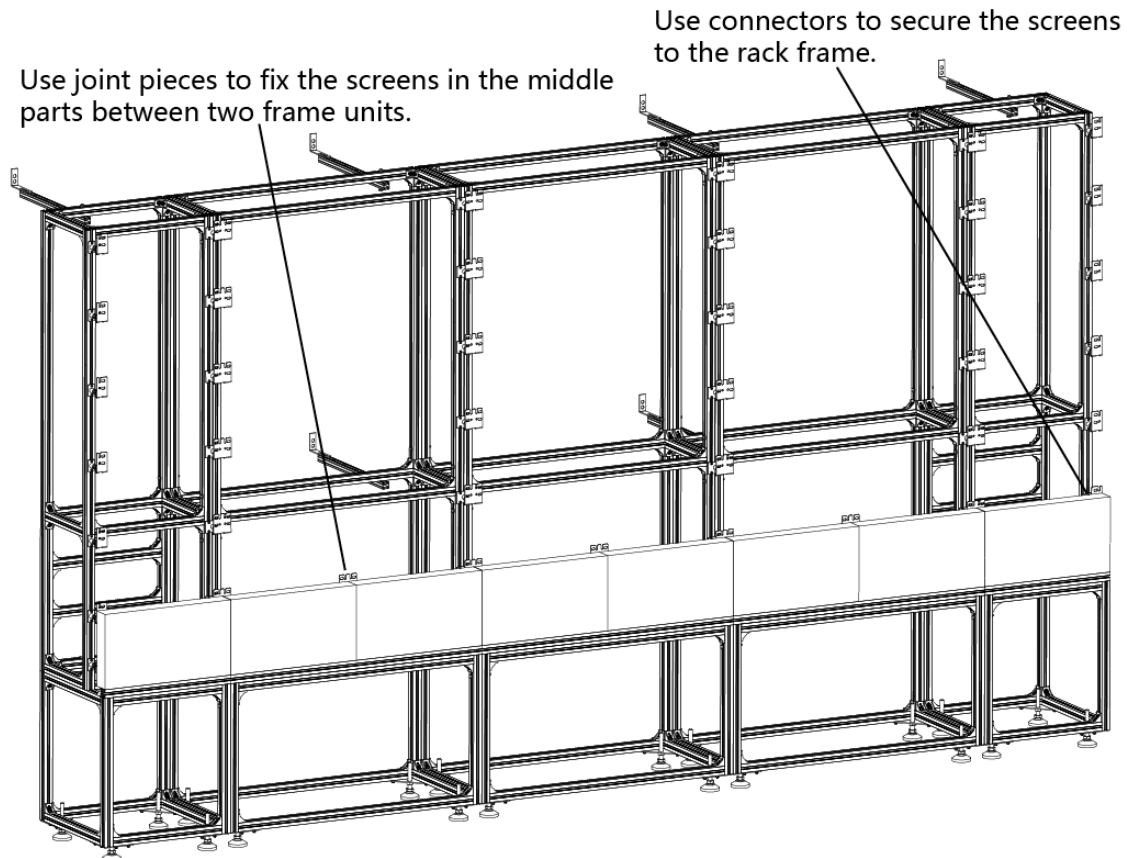


Figure 2-49 Fix the Screens

3. Use a level to measure and ensure that the cabinets are flat and vertical.

Note

When there is a deviation in height, simply place a thin iron sheet under the bottom. Do not try to resolve the deviation by hitting the cabinets on the top because it will result in larger deviation later.

4. Repeat the above steps to complete the installation of other cabinets.

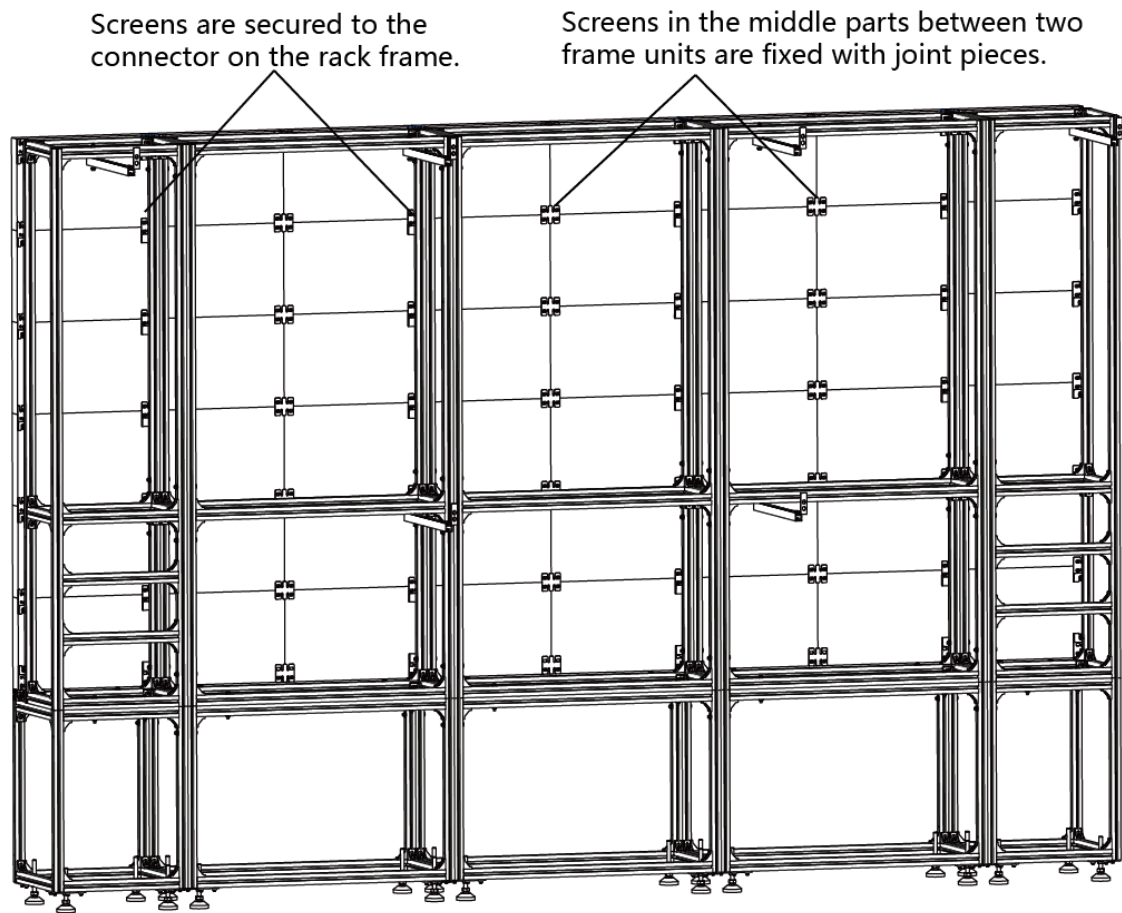


Figure 2-50 Screens Fixed

5. Ensure that all the cabinets are flat and vertical and the seams between the cabinets are even. Then tighten the anchor bolts to complete the installation.

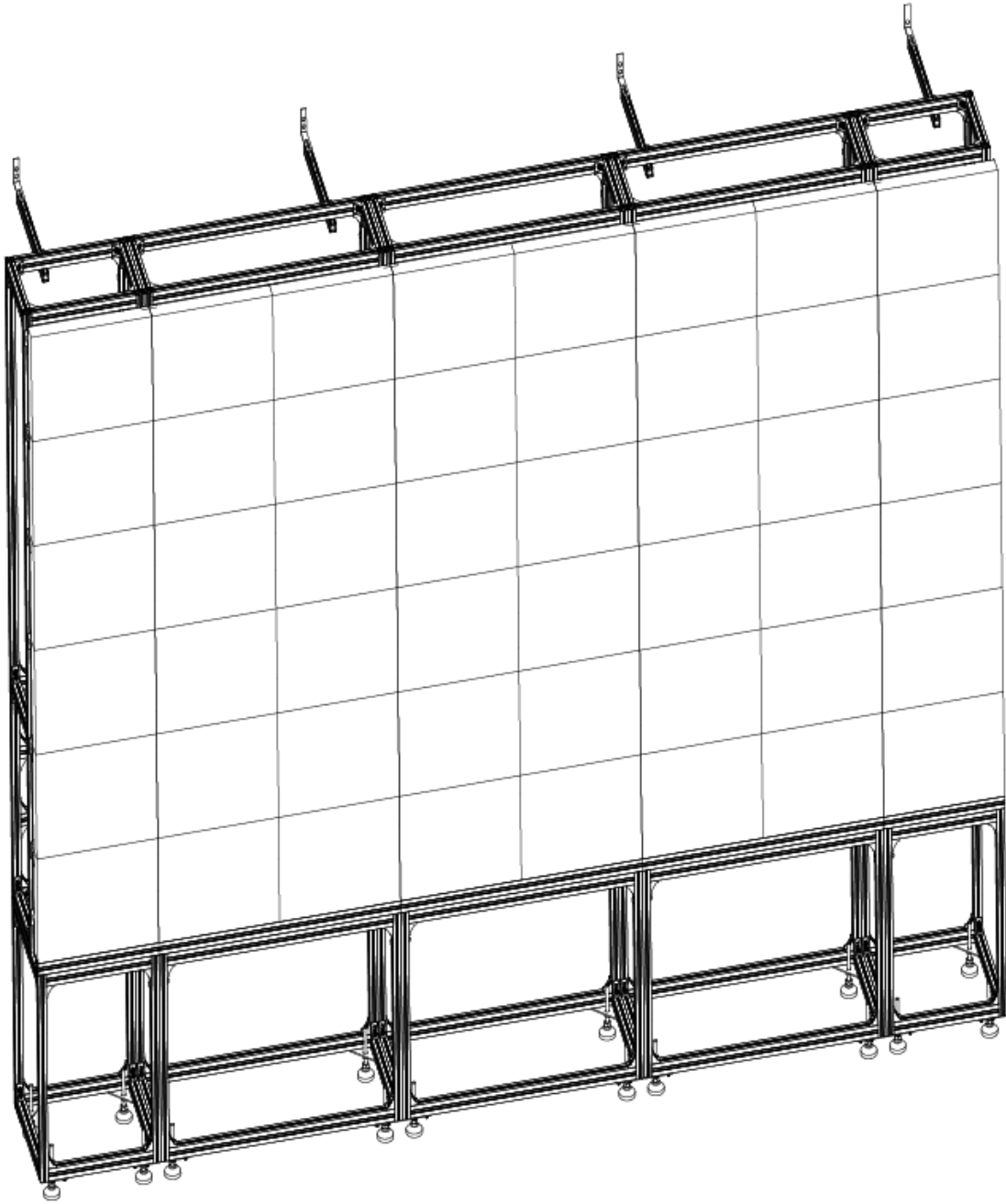


Figure 2-51 Screen Installation Finished

 Note

- For details about cabinet stitching, see ***Stitch Cabinet Frames***.
 - For details about lamp boards maintenance, see ***Maintain the Lamp Boards***.
-

Install the Cover Plates and Door Plates for Bottom Chassis

Steps

1. Use T-Shaped bolts to install the front cover plates and lateral cover plates for bottom chassis respectively.

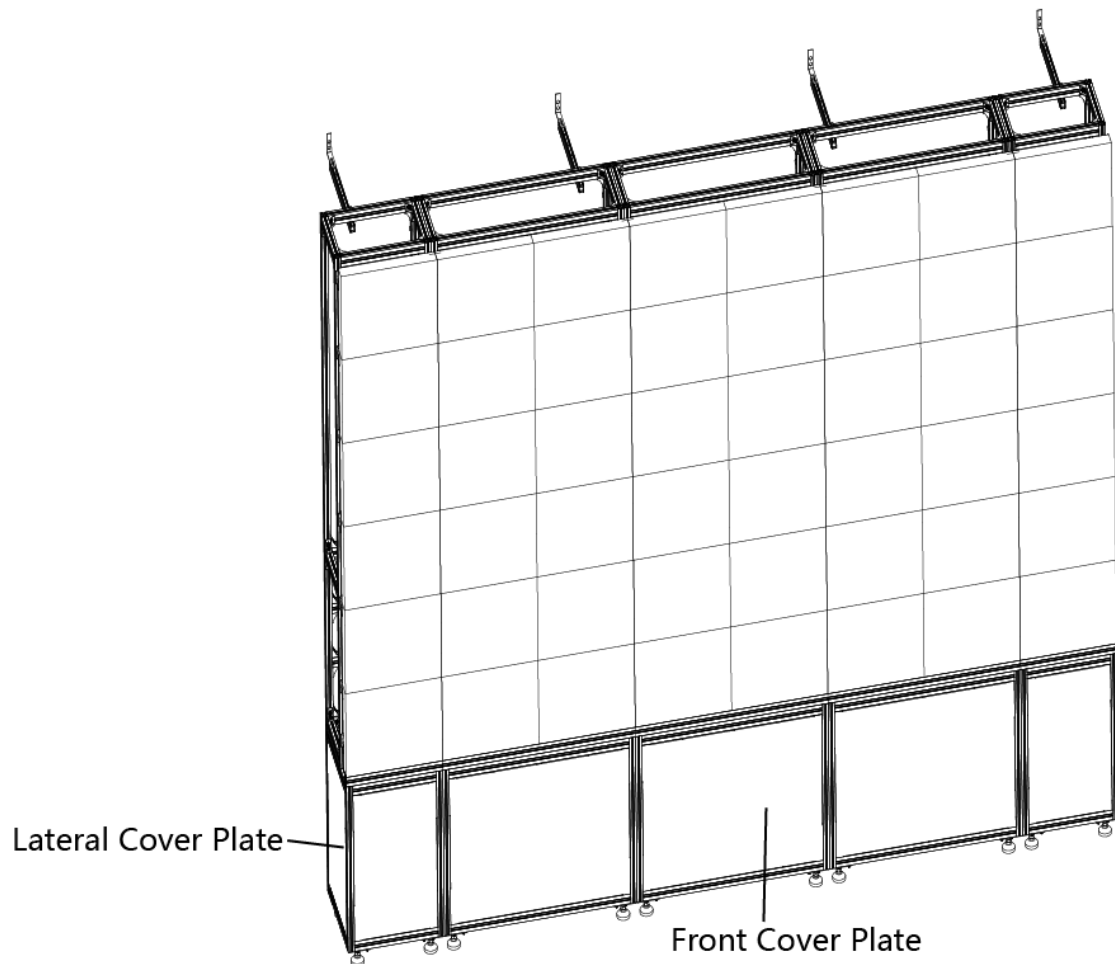


Figure 2-52 Install the Cover Plates

2. Use T-shaped bolts or door hinge to install the door plates including upper fixing plates, lower fixing plates, left door plates and right door plates.

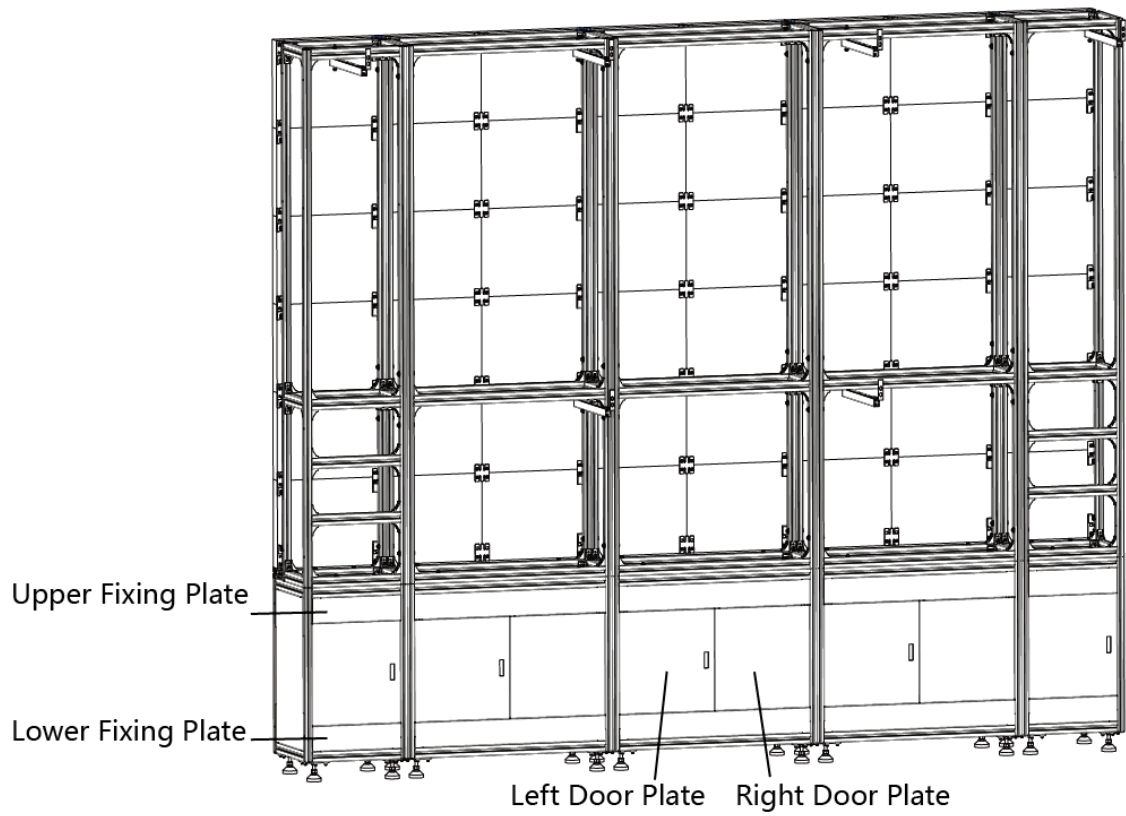


Figure 2-53 Install the Door Plates

Chapter 3 Cabinet Installation

3.1 Introduction

3.1.1 About the Cabinet

A cabinet is a basic unit for LED engineering installation in which LED modules are neatly mounted on a metal sheet (cast aluminum) box, with a built-in independent receiving card and switching power supply, an engineering installation structure, and independent display.

3.1.2 Load Capability of the Cabinet

Load Capability of Network Interfaces

The load capability of a single network interface of the sending card is limited. You can calculate the max load of a single network interface by the following formula.

$$\text{Max Load of a Network Interface} = \text{Pixel Capacity of a Network Interface} / \text{Cabinet Resolution}$$

Example

If equipped with a sending card of 650,000 pixels, the max load of a single network interface for a P1.2 cabinet of 480 × 270 resolution is 5 cabinets.

Note

You can choose sending cards of different pixels and cabinets of different resolution, and calculate the load capability by the formula.

Load Capability of Power Cords

The load capability of a single power cord is limited. You can calculate the max load of a single power cord by the following formula.

$$\text{Max Load of a Single Power cord} = \text{Power of the Cord} / \text{Power of the Cabinet}$$

Note

You can choose power cords and cabinets of different specifications, and calculate the load capability by the formula.

3.1.3 Cabinet Overview

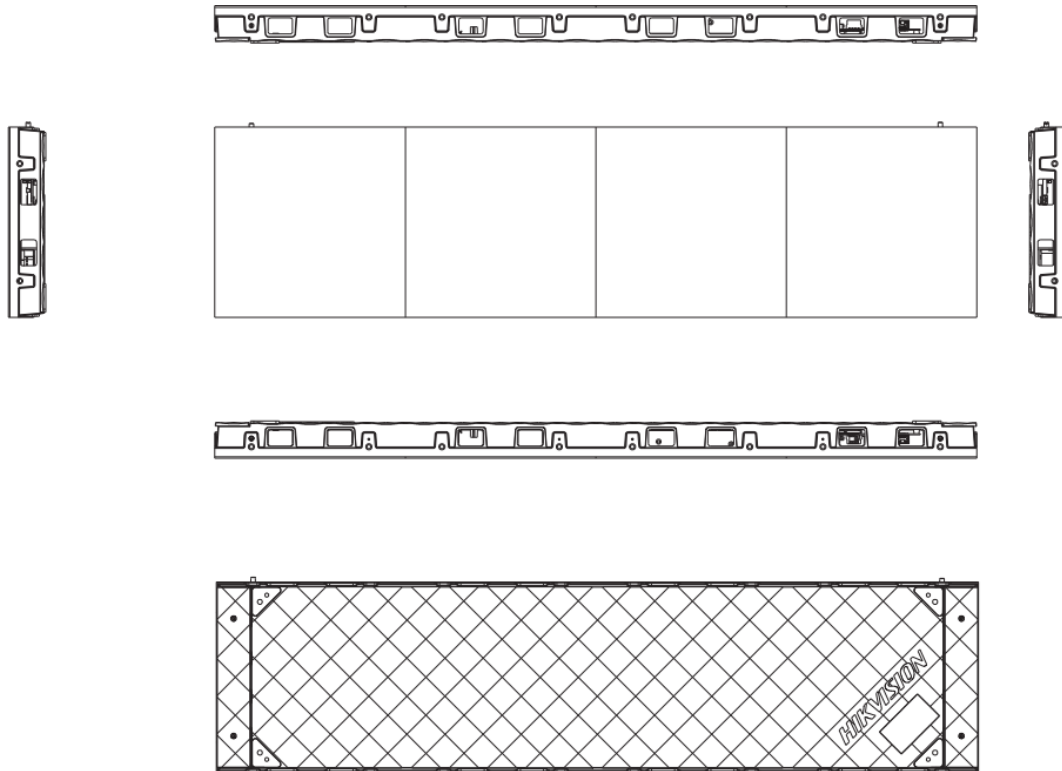


Figure 3-1 Cabinet Overview 1

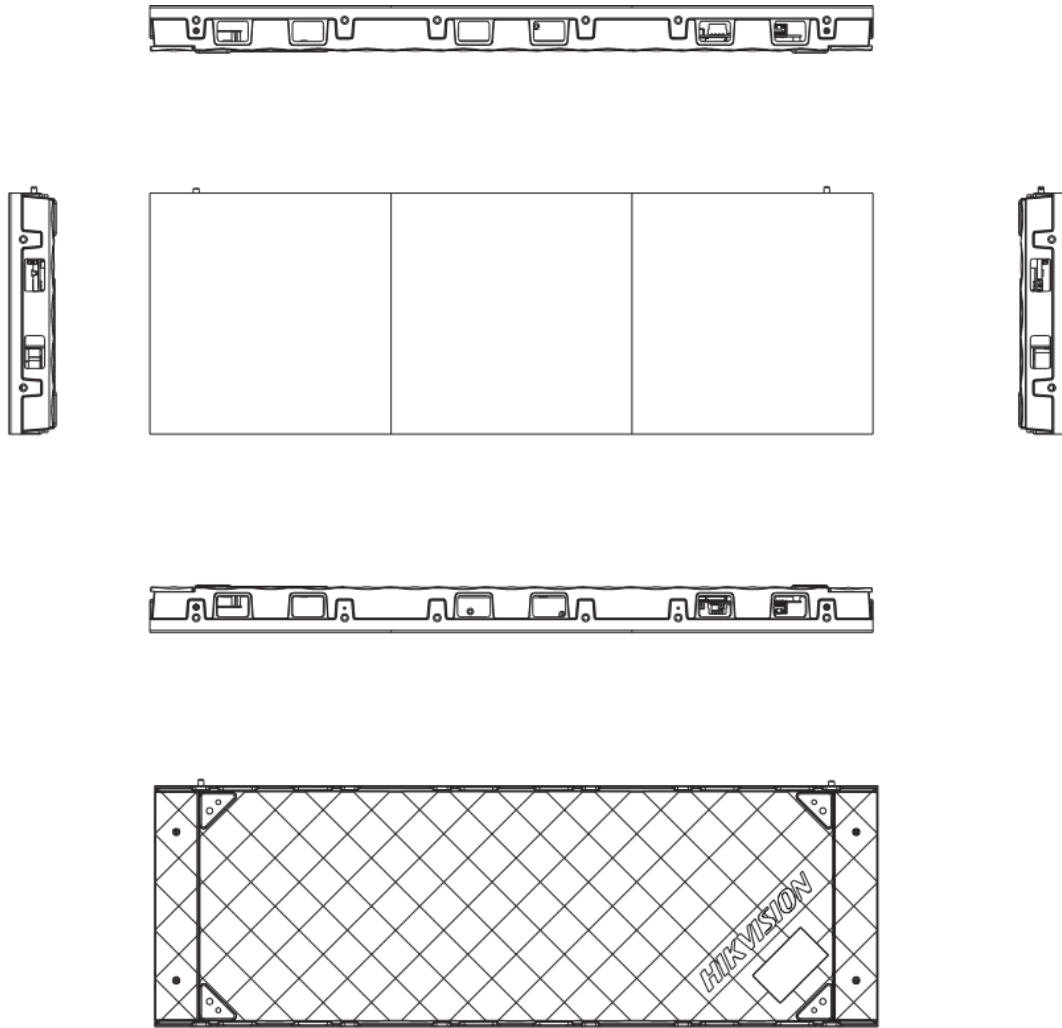


Figure 3-2 Cabinet Overview 2

Note

The actual device prevails.

3.2 Install the Cabinets

3.2.1 Precautions

Read the following precaution tips before you install the LED screens:

- Install the LED screens after the decoration construction is completed.
- Avoid humid or high-pH environment to prevent damage to the LED lamps.
- Do not expose the device to rain or humid environment to reduce the risk of fire or electric shock.

- Electric discharge may last for a short period of time after the power is shut down. Please wait two minutes after the power is shut down to operate the device.
- Only use the original power cord delivered with the device. Contact authorized dealer to purchase power cord with same specifications.
- Please do not frequently plug and unplug the power cord when the power is on.

3.2.2 Stitch Cabinet Frames

Cabinet Frame Locating

Align two cabinet frames with the locating studs, locating holes, and installation holes. Single cabinet frame is equipped with two locating studs, two locating holes, two sets of horizontal installation holes, and several sets of vertical installation holes.

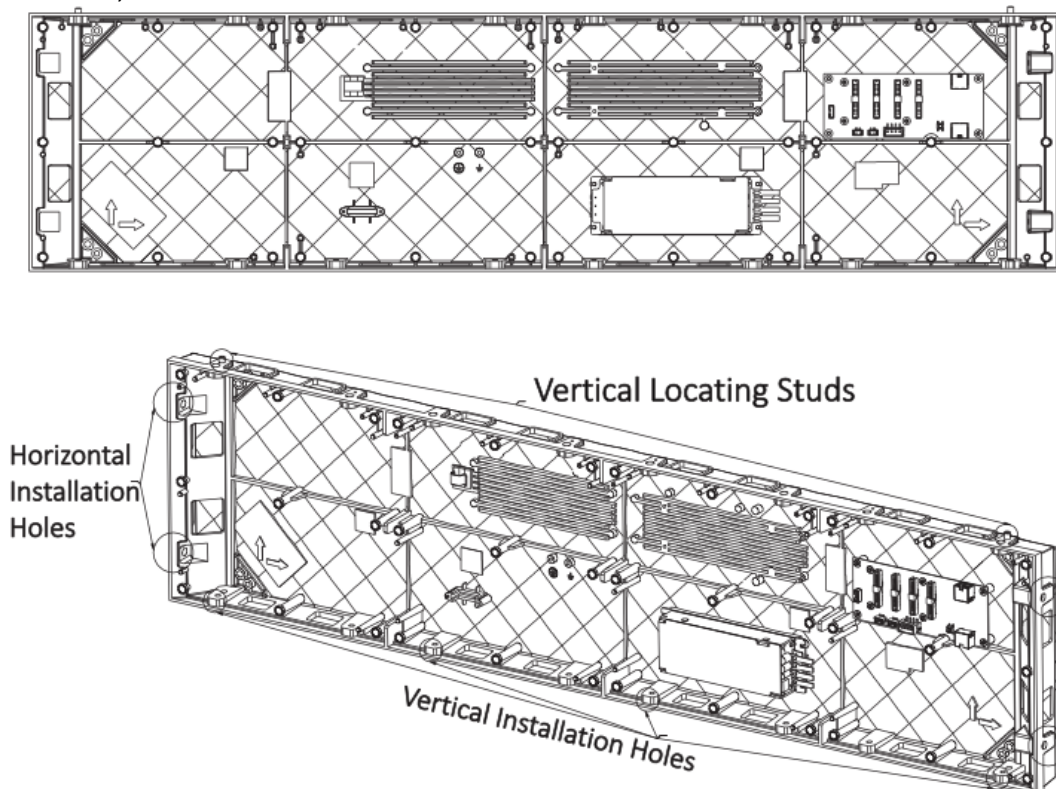


Figure 3-3 Locate Studs and Installation Holes

Stitch Cabinet Frames Horizontally

Steps

1. Align the installation holes in the horizontal direction of the two adjacent cabinet frames, and adjust the cabinet frames to the relative height.

2. Insert the M6 step screws from right to left into the installation holes.

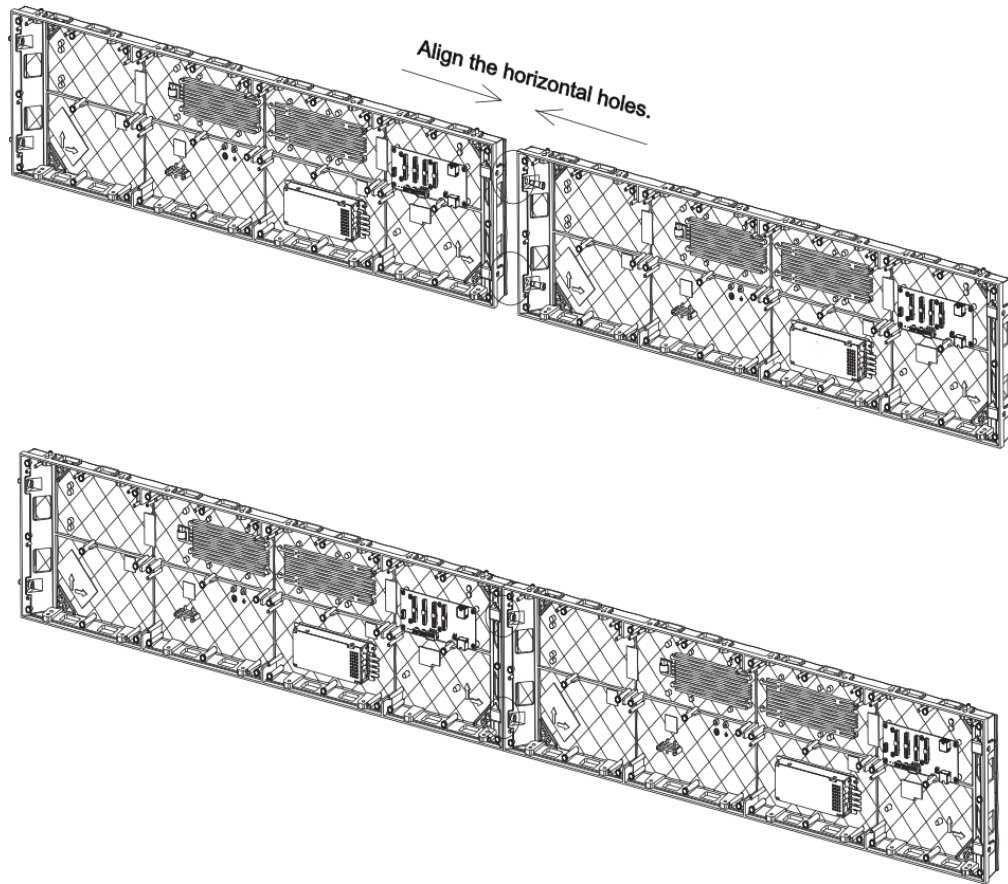


Figure 3-4 Align the Cabinet Horizontally

Stitch Cabinet Frames Vertically

Steps

1. Align the locating studs in the vertical direction of the two adjacent cabinet frames to the locating holes, and adjust the cabinet frames vertically against each other.
2. Fix the cabinet frames down to up with the M6 screws.

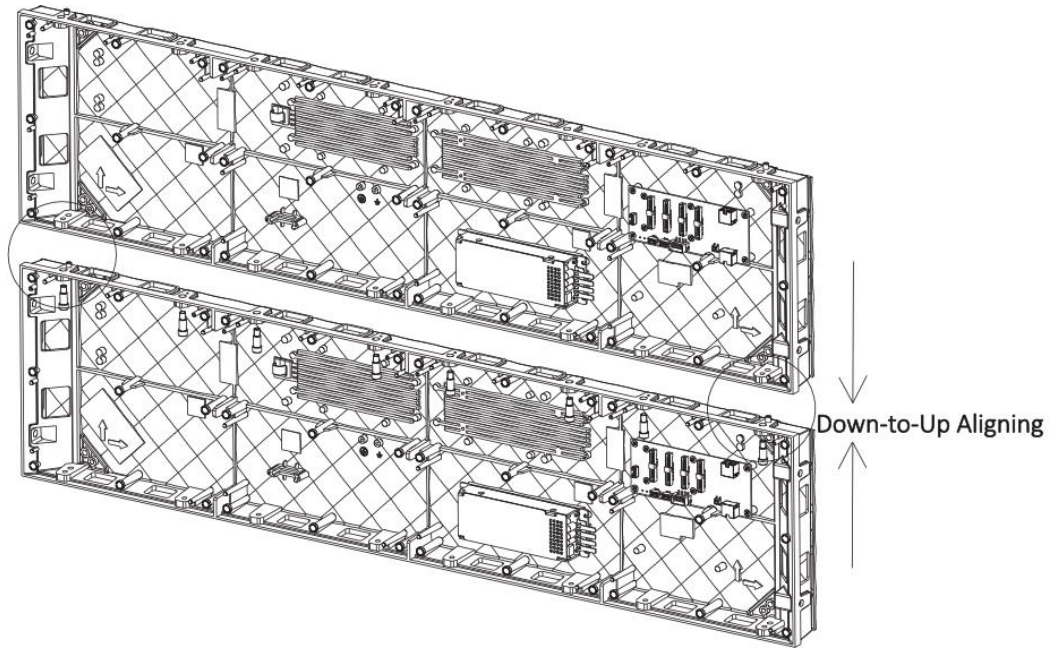


Figure 3-5 Align the Cabinet Vertically

Note

The cabinets support special-shaped stitching vertically. You can stitch them through the reserved vertical installation holes according to the actual conditions.

3.3 Connect the Power Cords and Network Cables

3.3.1 Connect the Power Cords

Internal Power Cord Connection

Pull the power cords through the cable holes between cabinets. Connect one end of the cord to POWER IN interface, and the other end to POWER OUT interface.

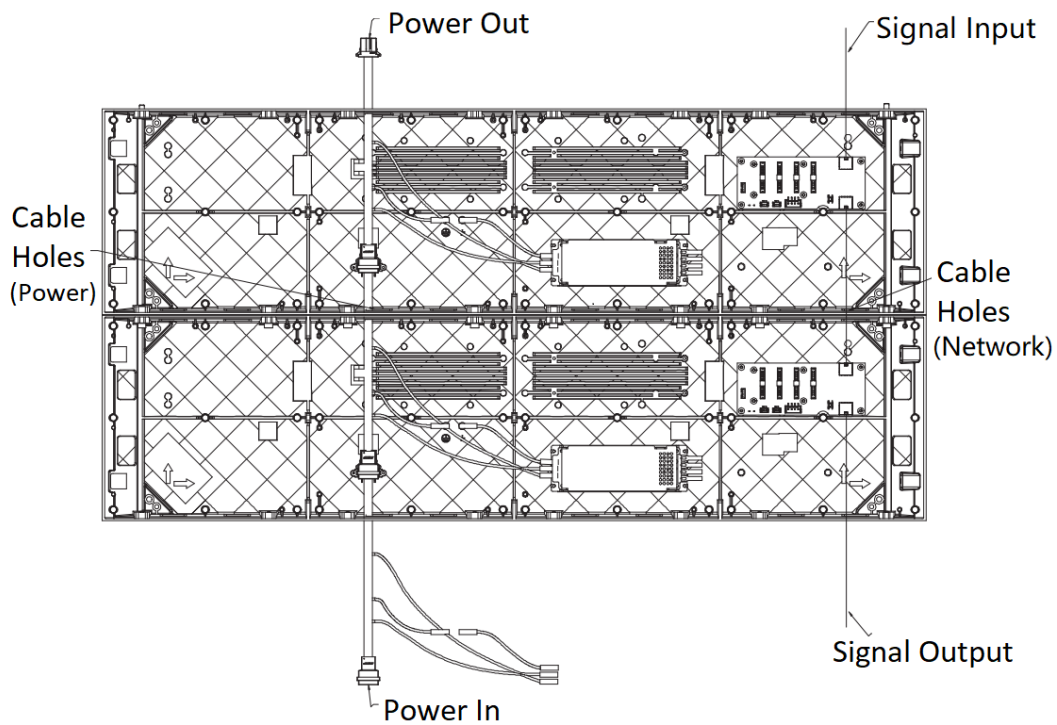


Figure 3-6 Internal Power Cord Connection

External Power Cord Connection

Steps

1. Pull the power cord through the reserved hole on the bottom of the cabinet, and connect to the external power supply.
2. If the actual number of cabinets exceeds the max load of the power cord, remove the cover plates of the cable holes on the left or right sides of the overloaded cabinets and pull the power cords through the holes to connect to external power supply.

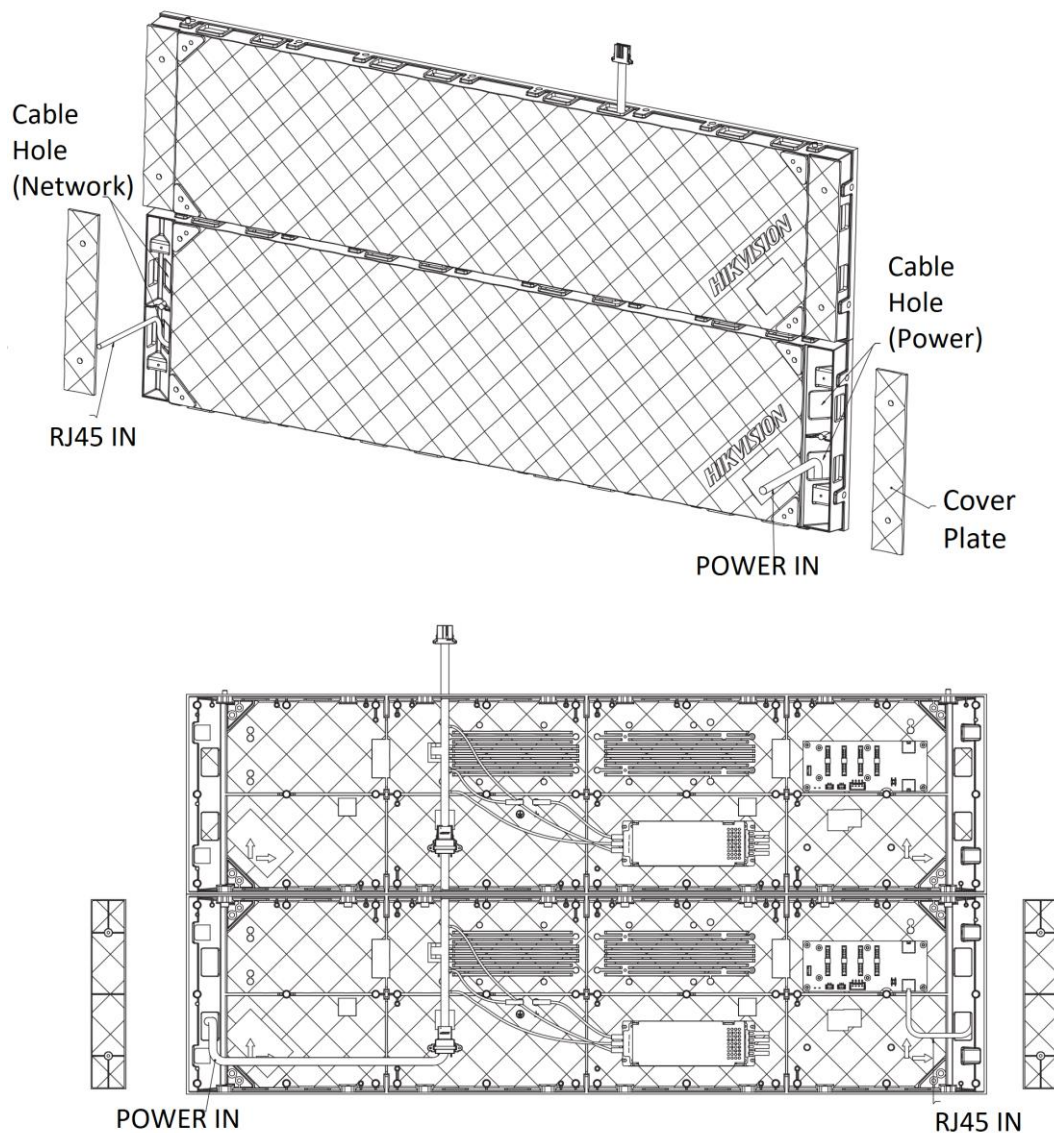


Figure 3-7 External Power Connection

3.3.2 Connect the Network Cables

The load capability of a single network interface is limited.

- If the actual number of cabinets is within the maximum load, connect a single network cable to the cabinets in the same column.
- If the actual number of cabinets exceeds the maximum load, extra network cables are needed.

Note

The max loads of different screen types are different. For the formula to calculate the load capability, see **Load Capability of the Cabinet**.

Within the Maximum Load

Take 17×4 cabinets with 1×4 P2.6 receiving cards for example. The resolution of the receiving cards is 384×96 , and the maximum load of a single network cable is 17 receiving cards. To connect the network cables, pull a single network cable through the holes on one column of the cabinets and plug into one network interface of the sending card. See the following figure for the cable connection.

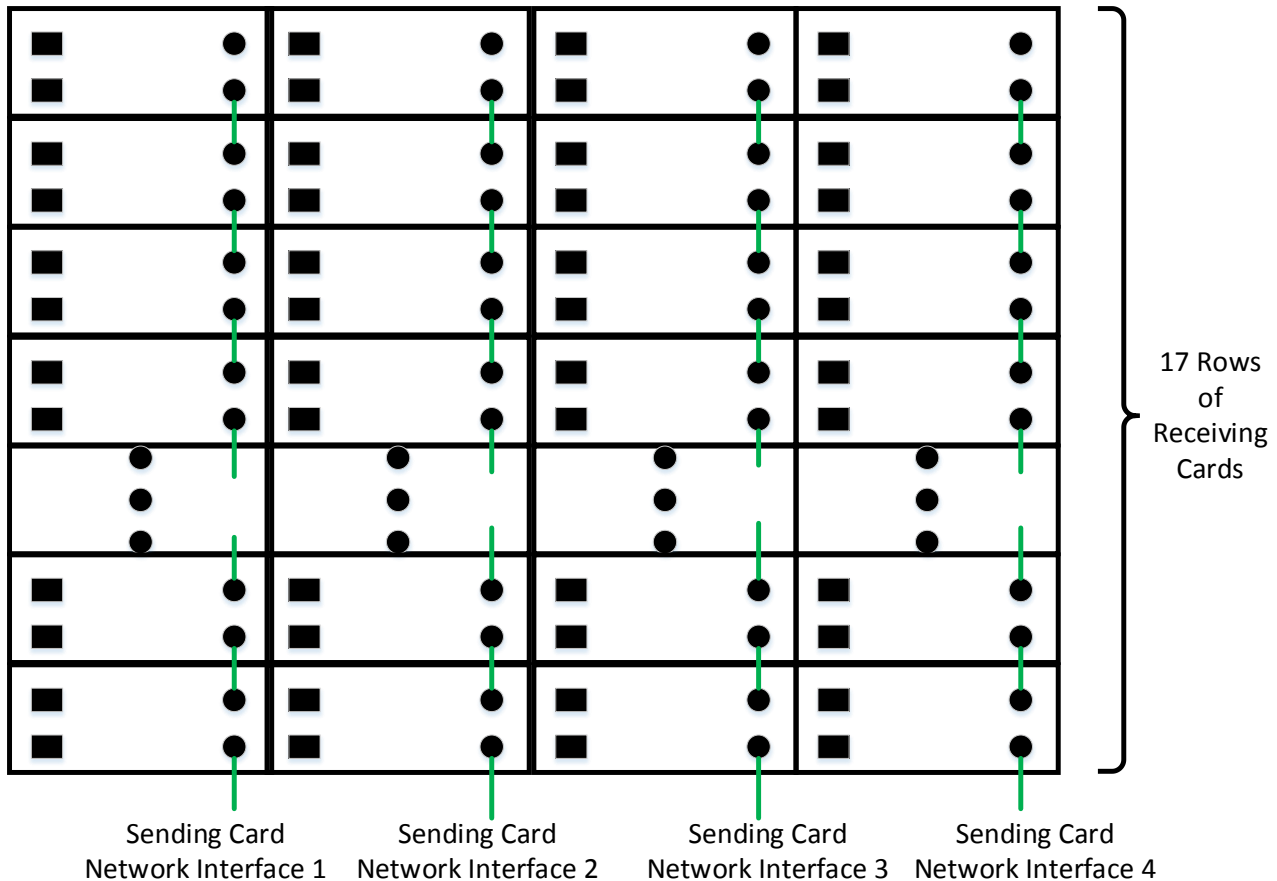


Figure 3-8 Network Cable Connection (Within the Maximum Load)

Beyond the Maximum Load

Take 20×4 cabinets with 1×4 P2.6 receiving cards for example. The resolution of the receiving cards is 384×96 , and the maximum load of a single network cable is 17 receiving cards. When the actual number of cabinets exceeds the maximum load, please follow this instruction to connect the network cables.

Steps

1. Follow the step shown in the last part to connect the 17 rows of cabinets within the maximum load.
2. Remove the cover plates on the first row of overloaded cabinet, for example, the 18th row of cabinets in the following figure, and pull another network cable through the holes on one column of the cabinets from 18th to 20th rows. Plug it into another network interface of the sending card.

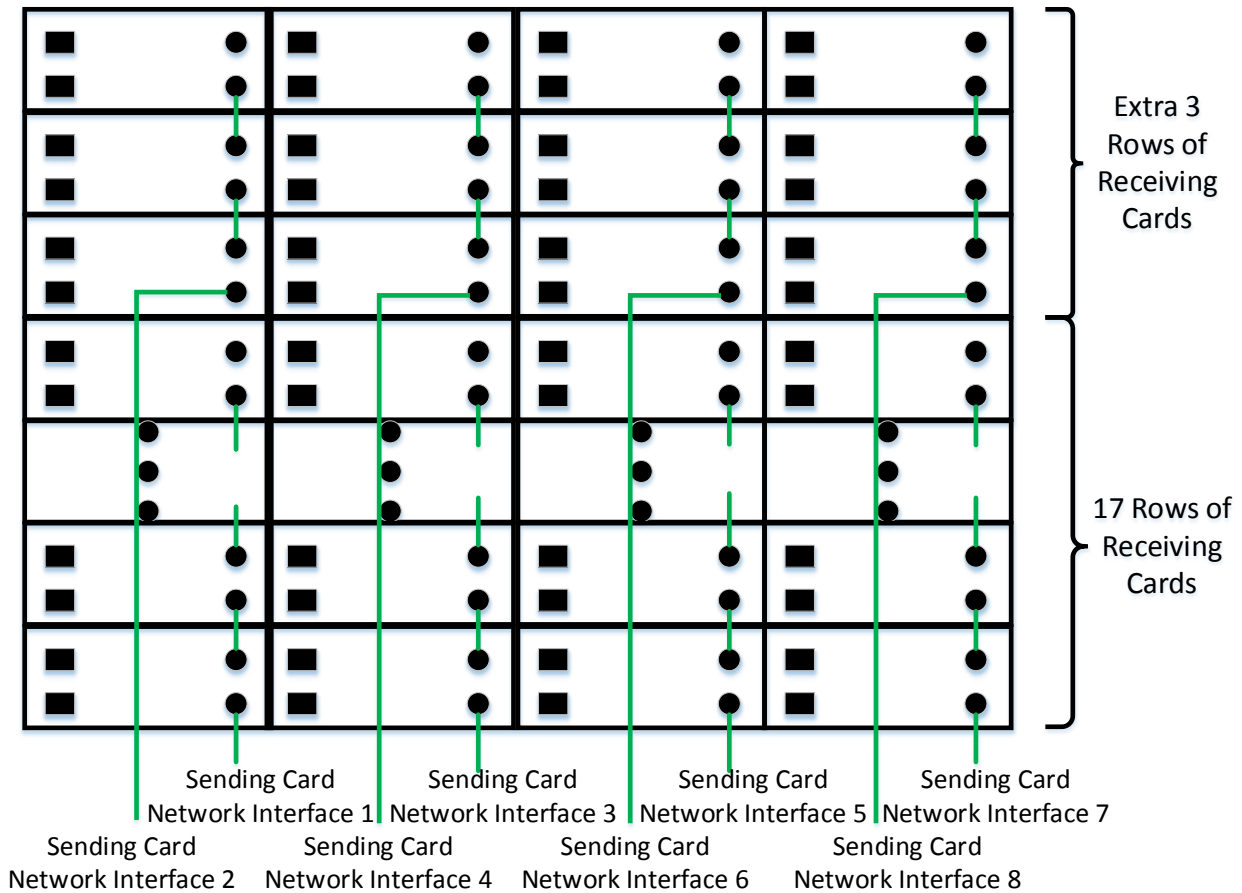


Figure 3-9 Network Cable Connection (Beyond the Maximum Load)

3. Repeat the first and the second steps to complete the cable connection of all cabinets.

Note

The figures shown above are for reference. The actual connection can be flexibly adjusted according to your needs, so long as every single network interface is not overloaded.

3.4 Maintain the Cabinet

3.4.1 Maintain the Lamp Boards

You can maintain the lamp boards from the front or rear side.

Front Maintenance

Steps:

1. Use LED vacuum pump to remove the first lamp board and unfasten the safety buckle on the back of the board.

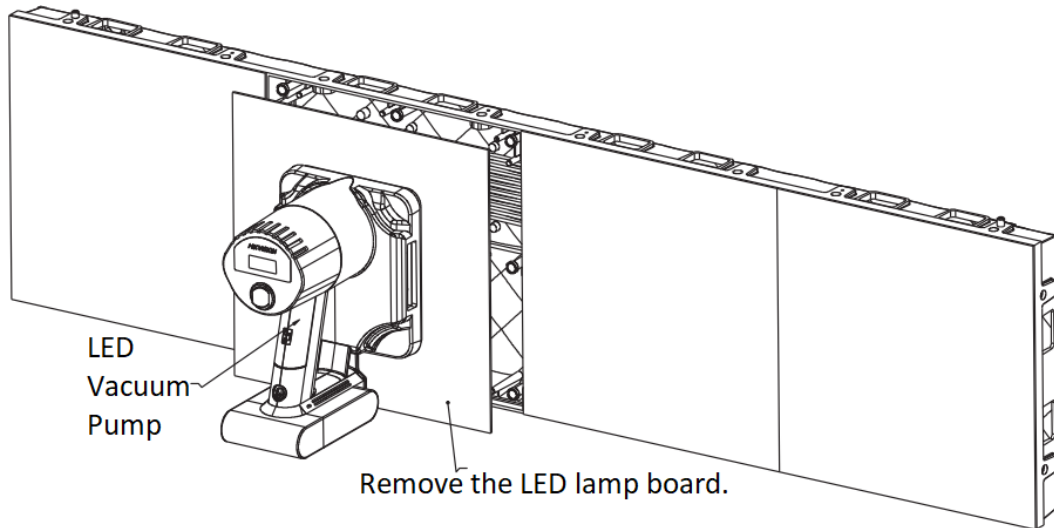


Figure 3-10 Remove the Lamp Board

2. Repeat the first step to remove other lamp boards.
3. After the maintenance, assemble the lamp boards back. Align the long side of the board to the frame of the cabinet, and attach the rest three sides slowly.

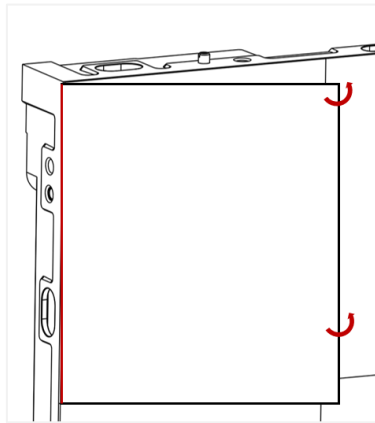


Figure 3-11 Assemble the Lamp Board Back

Rear Maintenance

Steps:

1. Tighten the adjustment screw to the end. Hold the handles on the board back and push it out.
2. Turn the lamp board until its short side is pushed out diagonally.

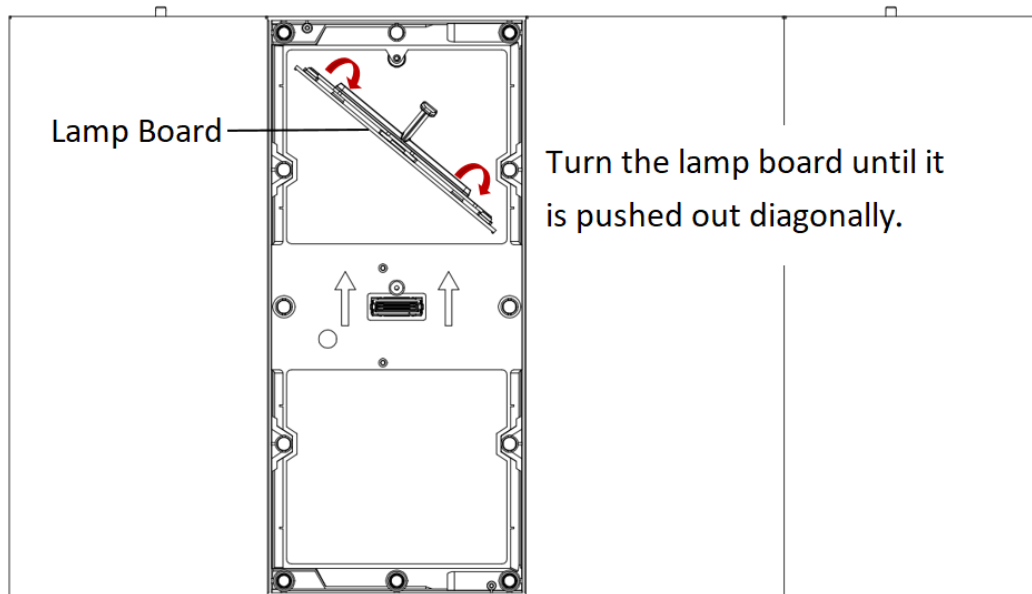


Figure 3-12 Turn the Lamp Board

3. After the lamp board is detached from the cabinet, unfasten the safety buckle and remove the lamp board.

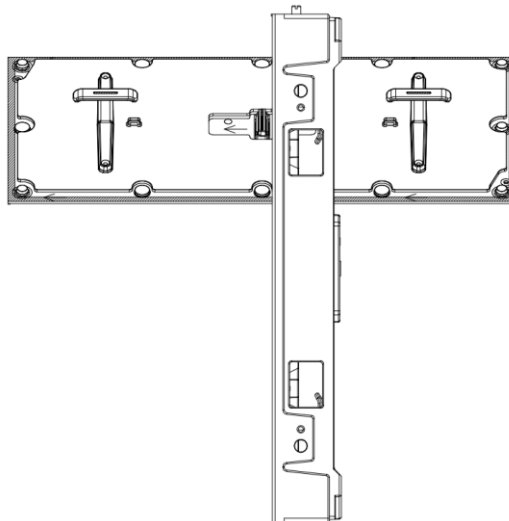


Figure 3-13 Remove the Lamp Board (Side View)

4. After the maintenance is completed, fasten the safety buckle, put the short side of the lamp board diagonally through the cabinet, and turn the board until the arrow sign points up.
5. Hold the handles with both hands, and attach the iron pieces at the center of the lower edge to the magnets on the frame, making sure that the lower edge of the lamp board has been attached to the cabinet.
6. Hold the board top and approach slowly towards the adjustment screw. Loosen the screw and attach the board top back into the cabinet.

 Note

When you are putting the lamp board back, check on the front to see whether the board is in

place. If the screws are too tight, loosen the cabinet frame or widen the space between the lamp boards.

3.4.2 Maintain Other Components

Remove the two installment screws on the rear cover, take down the rear cover, and then you can maintain the internal power supply, receiving cards, and the back board.

The internal power supply, receiving card board, and the back board have been assembled before shipment.

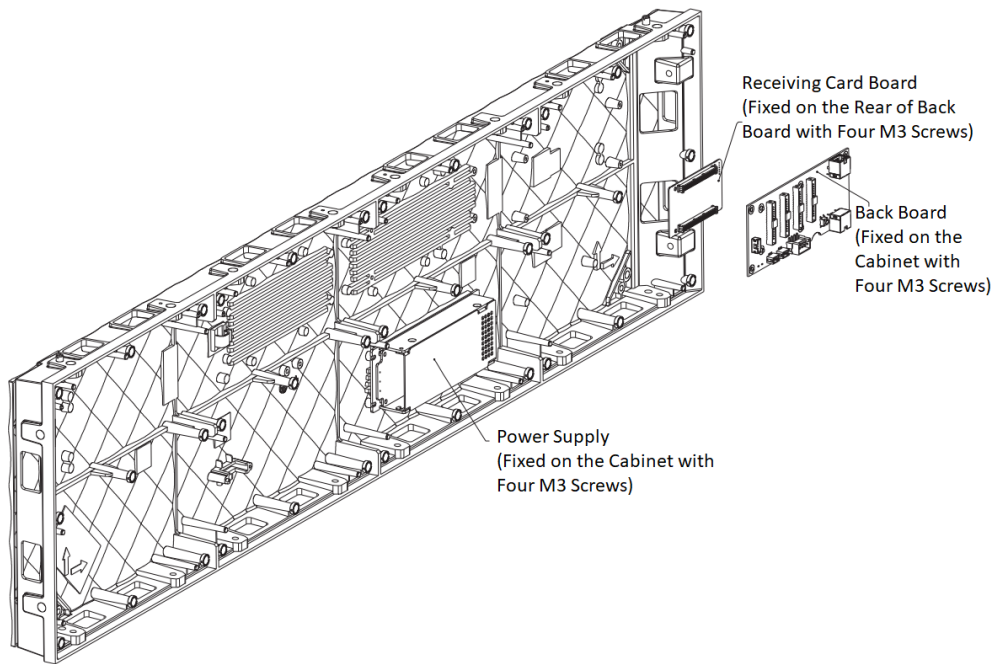


Figure 3-14 Maintain Other Components

Note

In the case of rear maintenance, you should reserve at least 50 mm distance to the rack for removing the rear cover.

Chapter 4 Software Debugging

Note

For detailed settings of NovaLCT and ViPlex Express, refer to the Help or User Manual of the corresponding software.

4.1 LED Display Controller Settings

This LED display can be configured via the application on a PC or mobile device. The following guidance takes the application on a PC as an example.

4.1.1 Login

Before You Start

- Connect the controller to your router via network cables. The controller supports DHCP by default. Connect your PC to the same router. Connect the LED screen to the LED OUT interface of the controller.
- Download the NovaLCT V5.4.3 from <https://www.novastar.tech/downloads>.

Steps

1. Go to **User > Media Player Login**.

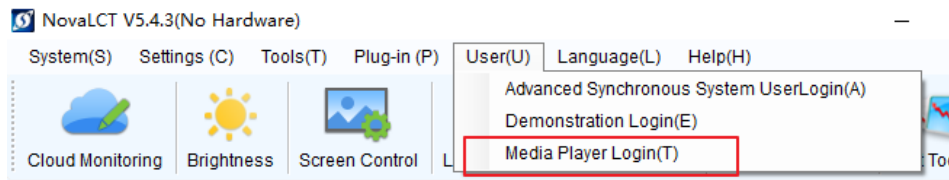


Figure 4-1 Media Player Login

Note

For DS-D42BOX-N series controller, e.g. DS-D42B01-N, you should log in via **Media Player Login**. For other series, you should log in via **Advanced Synchronous System User Login**.

2. In the **Terminal List** dialog box, select the controller, and click **Connect System**.

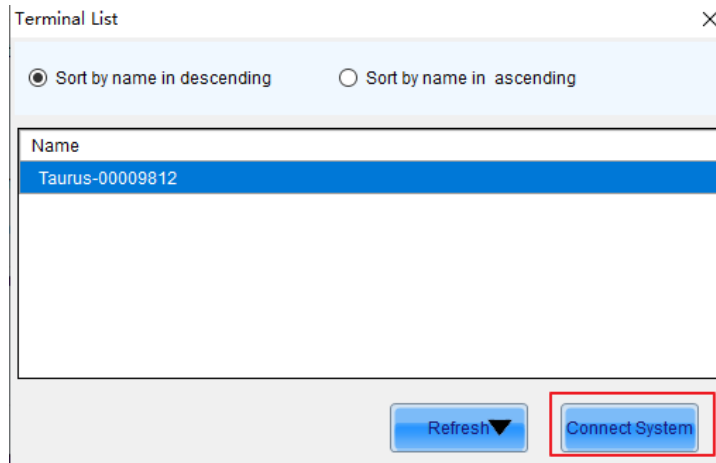


Figure 4-2 Connect System

3. In the **Connect Terminal** dialog box, enter **User Name** and **Password**, and click **OK**.

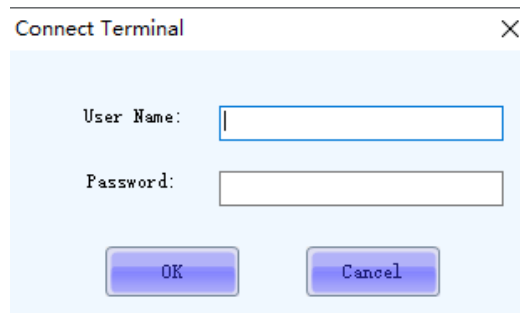


Figure 4-3 Login

Note

The default user name is admin. The default password is 123456.

4.1.2 Set Screen

Steps

1. Go to **Screen Configuration > Receiving Card**.
2. Click **Read from Receiving Card** to get the configuration file, and then click **Save**.

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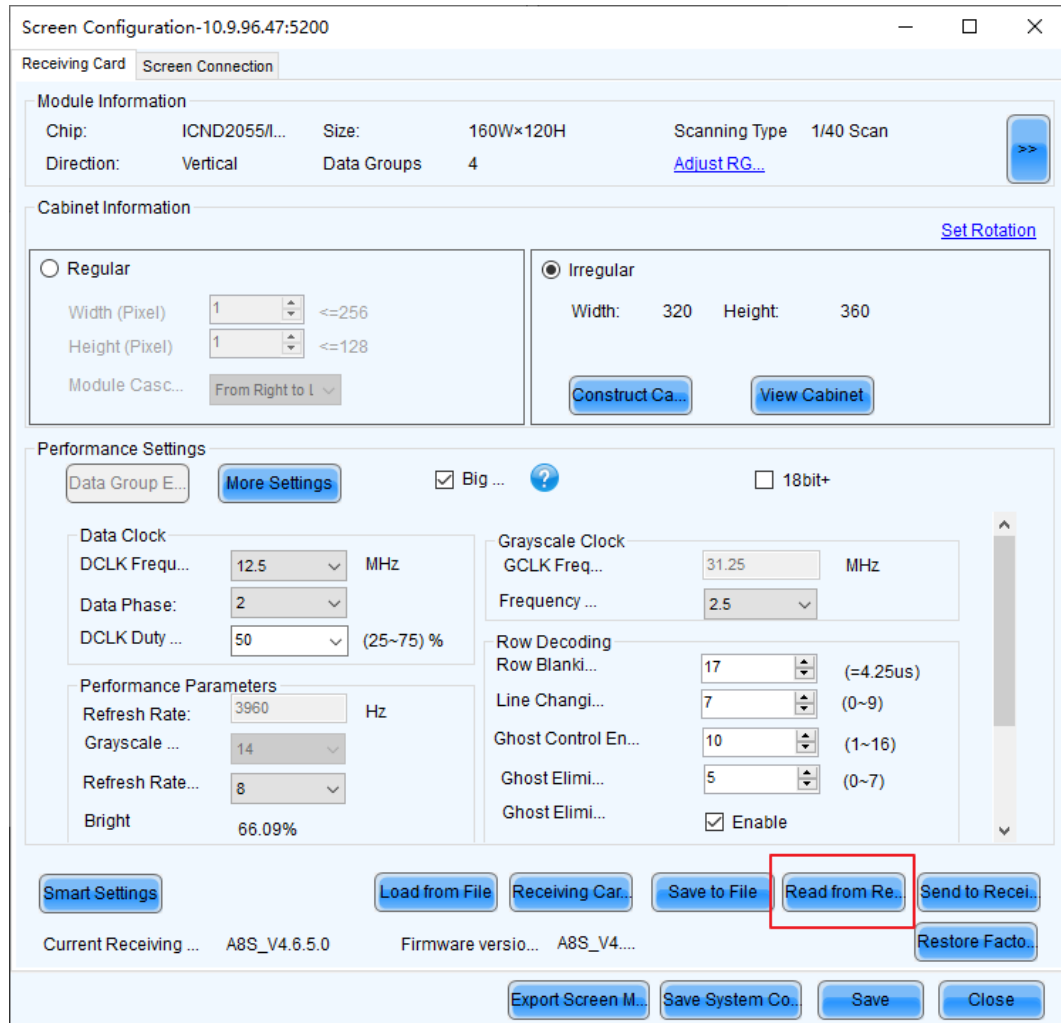


Figure 4-4 Receiving Card Settings

3. Click **Screen Connection**, and set the X and Y coordinates, receiving card size, and the connection of receiving cards.

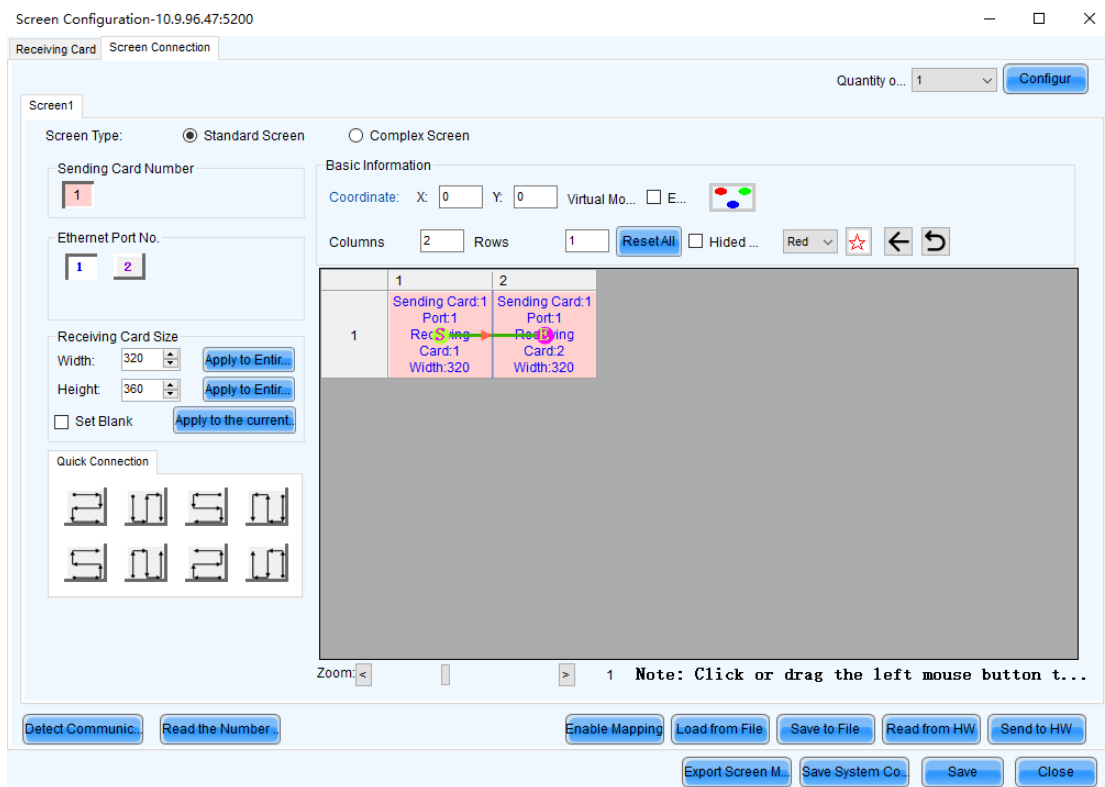


Figure 4-5 Screen Connection

Note

- Receiving card size should match cabinet size.
- The connection of screens should be consistent with the actual situation.

4. Click **Send to HW**, and then click **Save**.

4.2 Release Program

Before You Start

Download the ViPlex Express software from <http://vnnnox.com/download>.

Note

Only DS-D42B0X-X series controllers, e.g. DS-D42B01-N, support releasing programs. Other controllers do not support this function.

Steps

1. Open ViPlex Express. If this is the first time that you launch ViPlex Express, go to  > **Working Mode > Async Mode**.

Indoor Fixed LED Display Unit Installation Guide



Figure 4-6 Async Mode

2. Click **Terminals**, and click **Refresh**.

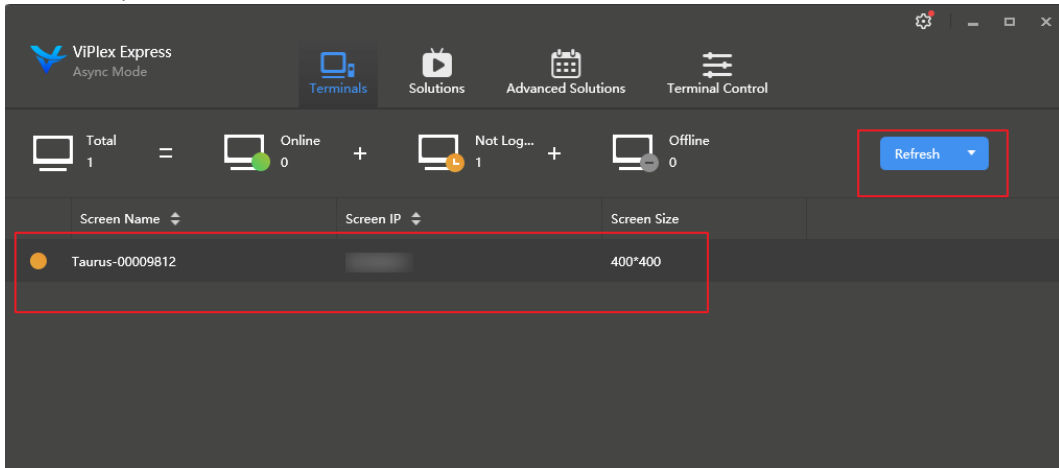


Figure 4-7 Terminals

Note

If the controller and the PC are in the same network segment, the controller will be shown in the list.

3. Click **Connect** to log in to the controller.

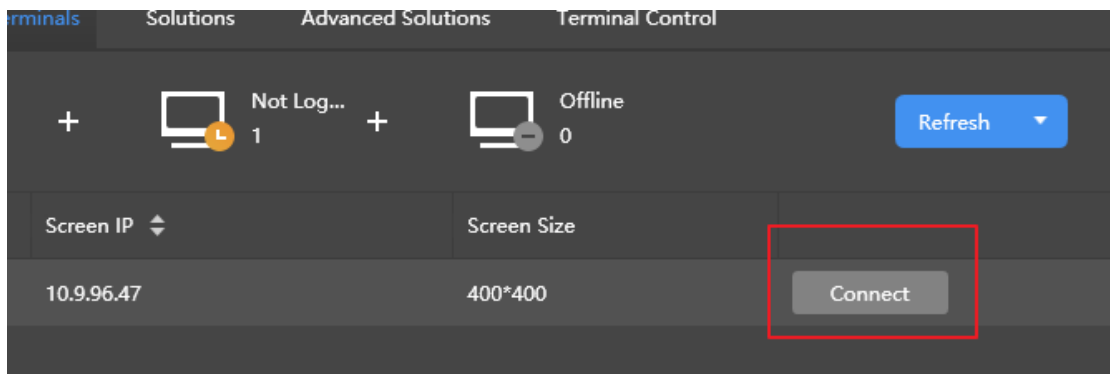


Figure 4-8 Log in to the Controller

Note

If you have already logged in via mobile application, you cannot log in via the PC application

at the same time.

- Click **Solutions** to create a new program.

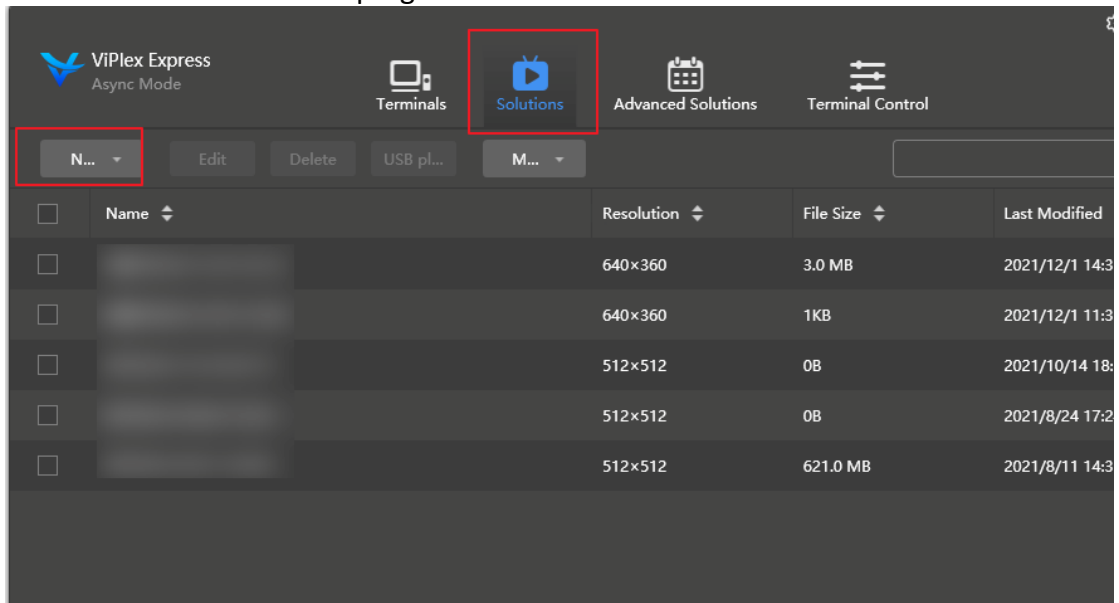


Figure 4-9 Create a New Program

- Set **Solution Name** and **Resolution**. Click **OK**.

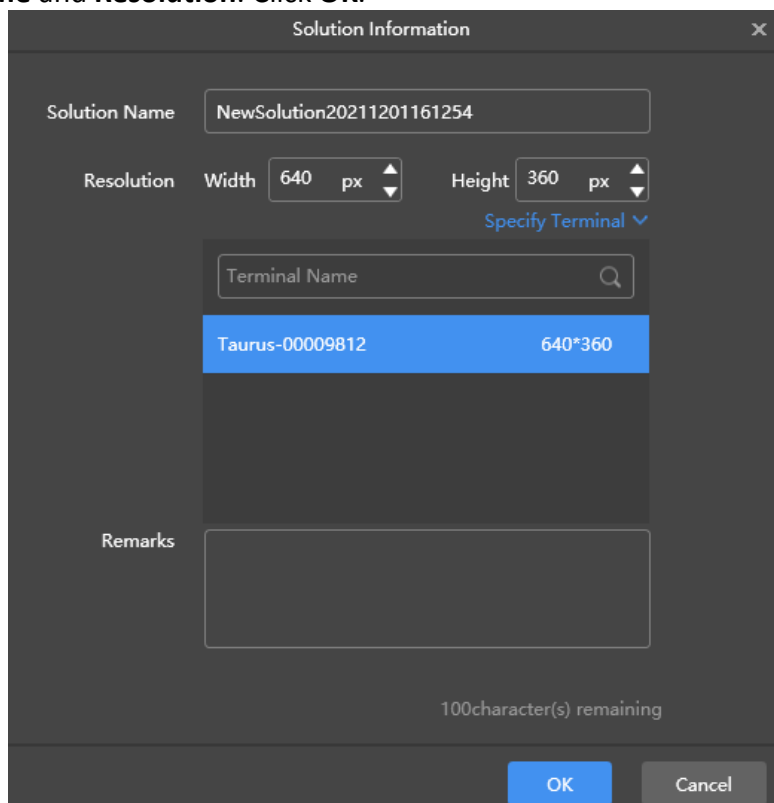


Figure 4-10 Solution Information

Note

Make sure that the program resolution is the same as the real resolution of the LED screen.

6. Add text or other materials as you wish. For example, click **File** to add a video.

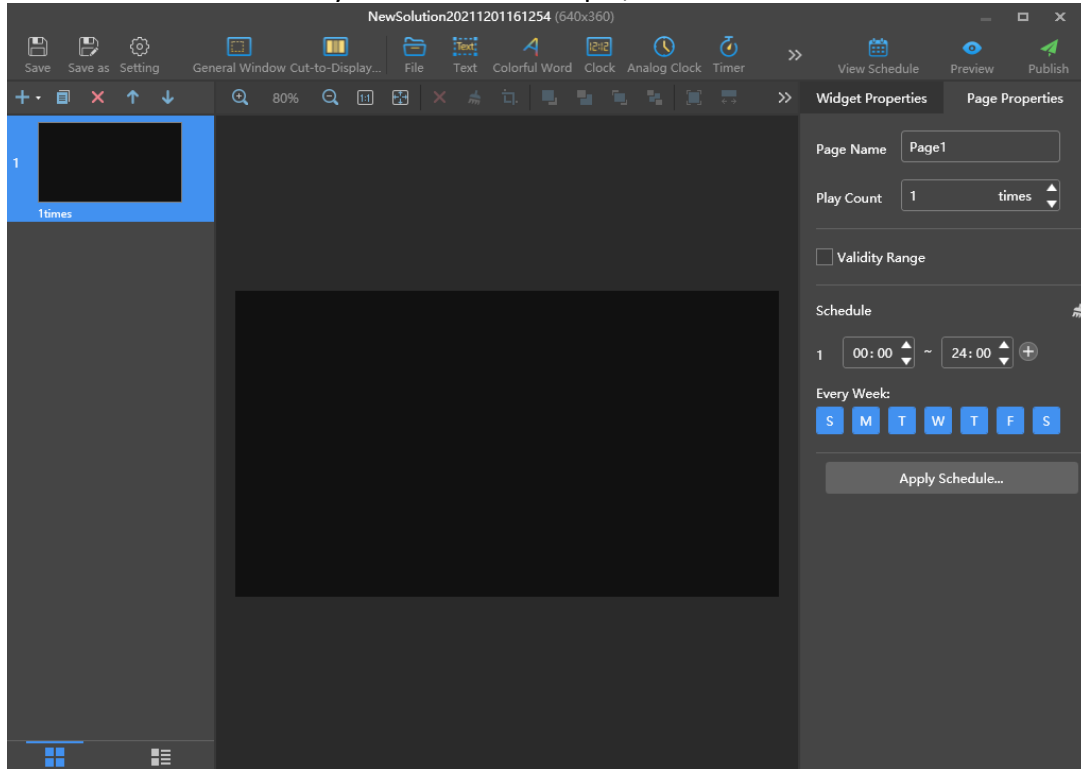


Figure 4-11 Add Materials

7. Click **Publish** to send the program to the controller.

Indoor Fixed LED Display Unit Installation Guide

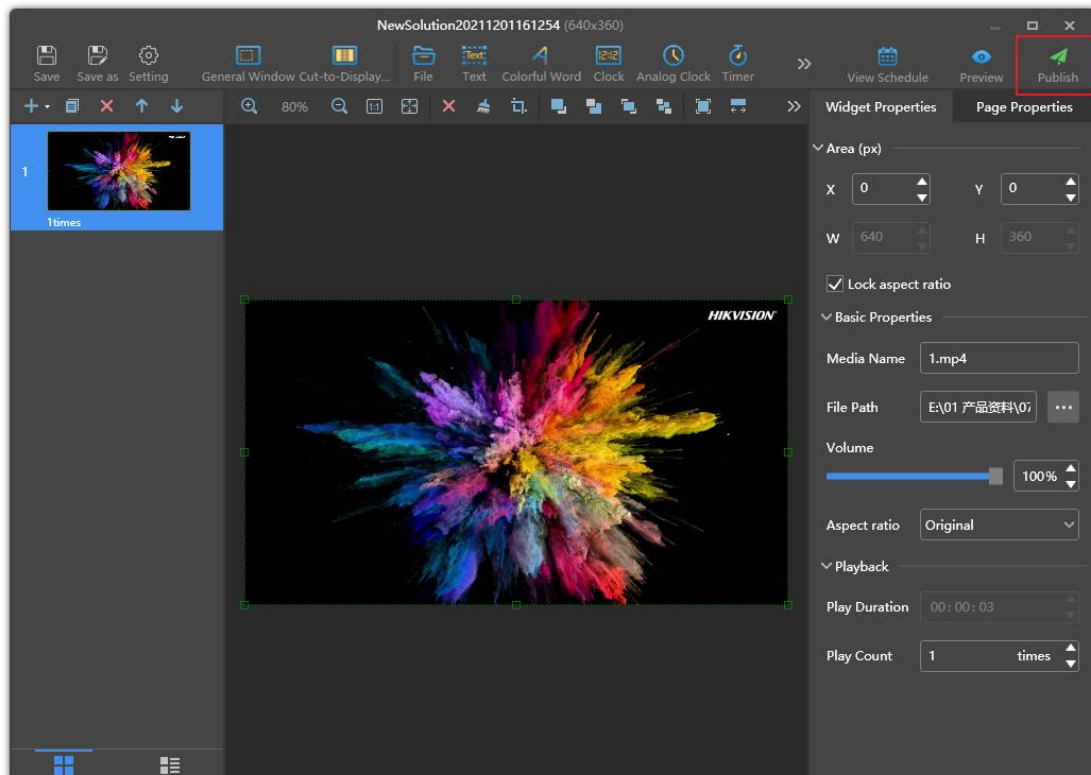


Figure 4-12 Publish the Program



See Far, Go Further