# Outdoor Energy-Saving LED Display


## Guangzhou JunChen Display Technology Co.,Ltd.

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Certificate – Сертификат – 證明書 – Certificat – 증명서 – شهادة

Shenzhen ZKT Technology Co., Ltd.
1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China

### Certificate of Compliance

Certificate Number: ZKT-25063014978C

Certificate's Holder : Guangzhou JunChen Display Technology Co.,Ltd 209-213, No. 59 Yagang Middle Road, Baiyun District, Guangzhou City

Manufacturer : Guangzhou JunChen Display Technology Co.,Ltd 209-213, No. 59 Yagang Middle Road, Baiyun District, Guangzhou City

Trade Mark : N/A

Product : LED COB DISPLAY

Model(s) : p1.25
P0.6, P0.7, P0.9, P1.25, P1.53, P1.56, P1.86, P1.876, P1.95, P2, P2.5, P2.604, P2.976, P3, P3.076, P3.75, P3.91, P3.91-7.82, P2.6-5.8, P4, P4.81, P4.75, P5, P5.33, P5.9, P6, P6.67, P8, P10, P10.4, P12.5, P15.625, P16, P20, P25, P31.25, P50

Test Standard : EN 55032:2015/A11:2020/A1:2020, EN 55035:2017/A11:2020, EN IEC 61000-3-2:2019/A1:2021/A2:2024, EN 61000-3-3:2013/A1:2019/A2:2021, EN 61000-4-2:2009, EN IEC 61000-4-3:2020, EN 61000-4-4:2012, EN 61000-4-5:2014/A1:2017, EN IEC 61000-4-6:2023, EN 61000-4-8:2010, EN IEC 61000-4-11:2020

This Attestation of Compliance is issued on a voluntary basis for electrical equipment below the voltage limits of EMC Directive 2014/30/EU. The essential requirement are fulfilled accordingly based on the technical specifications applicable at the time of issuance. See also notes overleaf. It is only valid in connection with the test report number: ZKT-25063014978E.

CE

Shenzhen ZKT Technology Co., Ltd. Approved Manager Jul. 07, 2025

This Certificate of Conformity is based on single evaluation of the submitted sample(s) of the above mentioned product. It does not imply an assessment of the whole product and relevant . Directives to be observed.

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Certificate – Сертификат – 證明書 – Certificat – 증명서 – شهادة

Shenzhen ZKT Technology Co., Ltd.
1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China

### Certificate of Compliance

Certificate Number:ZKT-25063014977C

Certificate's Holder : Guangzhou JunChen Display Technology Co.,Ltd 209-213, No. 59 Yagang Middle Road, Baiyun District, Guangzhou City

Manufacturer : Guangzhou JunChen Display Technology Co.,Ltd 209-213, No. 59 Yagang Middle Road, Baiyun District, Guangzhou City

Trade Mark : N/A

Product : LED COB DISPLAY

Model(s) : P1.25
P0.6 P0.7 P0.9 P1.25 P1.53 P1.56 P1.86 P1.876 P1.95 P2 P2.5 P2.604 P2.976 P3 P3.076 P3.75 P3.91 P3.91-7.82 P2.6-5.8 P4 P4.81 P4.75 P5 P5.33 P5.9 P6 P6.67 P8 P10 P10.4 P12.5 P15.625 P16 P20 P25 P31.25 P50

Test Standard : EN IEC 62368-1:2024+A11:2024

This Attestation of Compliance is issued on a voluntary basis for electrical equipment below the voltage limits of Low Voltage Directive 2014/35/EU. The essential requirement are fulfilled accordingly based on the technical specifications applicable at the time of issuance. See also notes overleaf. It is only valid in connection with the test report number: ZKT-25063014977S.

CE

Shenzhen ZKT Technology Co., Ltd. Approved Manager Jul. 04, 2025

This Certificate of Conformity is based on single evaluation of the submitted sample(s) of the above mentioned product. It does not imply an assessment of the whole product and relevant . Directives to be observed.

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Shenzhen ZKT Technology Co., Ltd.
1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China

### SUPPLIER'S DECLARATION OF CONFORMITY

Certificate Number: ZKT-25063014979C

Certificate's Holder : Guangzhou JunChen Display Technology Co.,Ltd 209-213, No. 59 Yagang Middle Road, Baiyun District, Guangzhou City

Manufacturer : Guangzhou JunChen Display Technology Co.,Ltd 209-213, No. 59 Yagang Middle Road, Baiyun District, Guangzhou City

Trade Mark : N/A

Product : LED COB DISPLAY

Model(s) : p1.25
P0.6, P0.7, P0.9, P1.25, P1.53, P1.56, P1.86, P1.876, P1.95, P2, P2.5, P2.604, P2.976, P3, P3.076, P3.75, P3.91, P3.91-7.82, P2.6-5.8, P4, P4.81, P4.75, P5, P5.33, P5.9, P6, P6.67, P8, P10, P10.4, P12.5, P15.625, P16, P20, P25, P31.25, P50

Test Standard : FCC Part 15 B, ANSI C63.4:2014

This Attestation of Compliance is issued on a voluntary basis for electrical equipment below the voltage limits of FCC standard. The essential requirement are fulfilled accordingly based on the technical specifications applicable at the time of issuance. See also notes overleaf. It is only valid in connection with the test report number: ZKT-25063014979E.

FC

Shenzhen ZKT Technology Co., Ltd. Approved Manager Jul. 07, 2025

This Certificate of Conformity is based on single evaluation of the submitted sample(s) of the above mentioned product. It does not imply an assessment of the whole product and relevant . Directives to be observed.

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Shenzhen ZKT Technology Co., Ltd.
1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China

### Certificate of Compliance

Certificate Number: ZKT-25063014980C

Certificate's Holder : Guangzhou JunChen Display Technology Co.,Ltd 209-213,No. 59 Yagang Middle Road,Baiyun District, Guangzhou City

Manufacturer : Guangzhou JunChen Display Technology Co.,Ltd 209-213,No. 59 Yagang Middle Road,Baiyun District, Guangzhou City

Trade Mark : N/A

Product : LED COB DISPLAY

Model(s) : p1.25
P0.6 P0.7 P0.9 P1.25 P1.53 P1.56 P1.86 P1.876 P1.95 P2 P2.5 P2.604 P2.976 P3 P3.076 P3.75 P3.91 P3.91-7.82 P2.6-5.8 P4 P4.81 P4.75 P5 P5.33 P5.9 P6 P6.67 P8 P10 P10.4 P12.5 P15.625 P16 P20 P25 P31.25 P50

Test Method : IEC 62321-3-1:2013, IEC 62321-4:2013+A1:2017, IEC 62321-5:2013, IEC 62321-6:2015, IEC 62321-7-1:2015, IEC 62321-7-2:2017, IEC 62321-8:2017

The following products have been tested by us and found in conformity with the (RoHS) Directive 2011/65/EU Annex II amending Annex (EU)2015/863 and amending Annex (EU)2017/2102. It is possible to use CE Marking to demonstrate the conformity with this Directive.It is only valid in connection with the test report number: ZKT-25063014980R.

RoHS

Shenzhen ZKT Technology Co., Ltd. Approved Manager Jul. 01, 2025

This Certificate of Conformity is based on single evaluation of the submitted sample(s) of the above mentioned product. It does not imply an assessment of the whole product and relevant . Directives to be observed.

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# Outdoor Fixed Installation LED Display

Common Cathode

Aluminium Cabinet

Naked Eye 3D

Fire Resistant

High Refresh

High Brightness

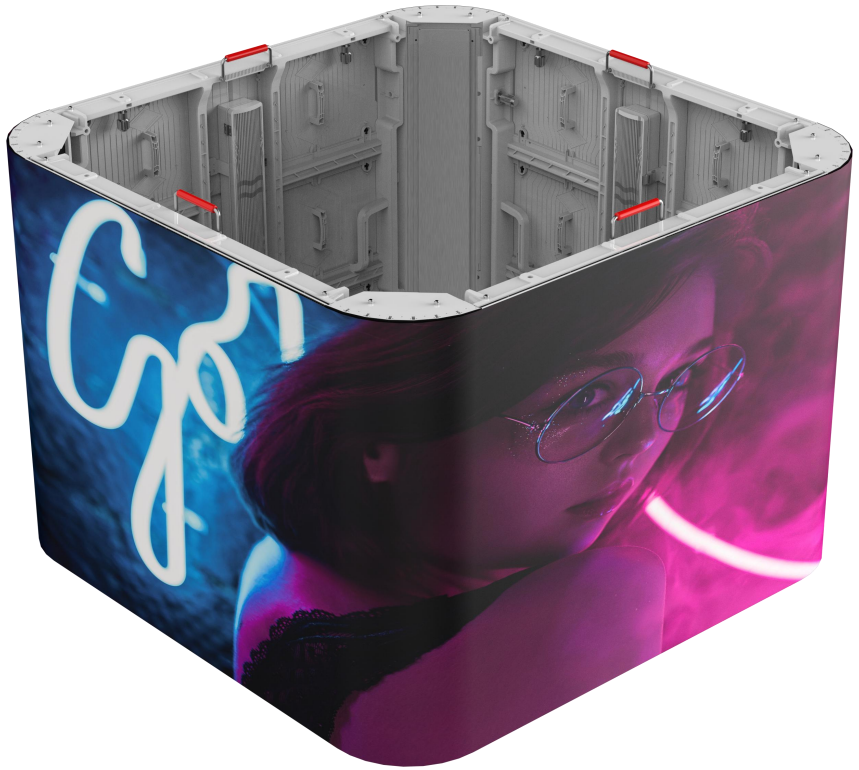
# Outdoor Fixed & Stadium LED Display Parameters

| Pixel Pitch | 4.44mm | 5.71mm | 6.67mm | 8mm | 10mm |
|---|---|---|---|---|---|
| Module Size | 480mm*320mm | | | | |
| Scan Mode | 9s | 7s | 6s | 4s | 2s |
| LED Chip Model | Kinglight SMD1921 | Kinglight SMD2727 | Kinglight SMD2727 | Kingligght SMD3535 | Kinglight SMD3535 |
| Module Pixel Resolution | 108dots(W)*72dots (H) | 84dots(W)*56dots(H) | 72dots(W)*48dots(H) | 600dots(W)*40dots(H) | 48dots(W)*32dots (H) |
| Drive Type | Constant drive (IC:MBI5124/ICN2153) | | | | |
| Control System | Nova star | | | | |
| Input Voltage | AC220V/50Hz or AC110V/60Hz | | | | |
| Average Power Consumption | 180W/m² | | | | |
| Cabinet Size | 960mm*960mm | | | | |
| Cabinet Pixel Resolution | 216dots(W)*216dots (H) | 168dots(W)*168dots (H) | 144dots(W)*144dots (H) | 120dots(W)*120dots (H) | 96dots(W)*96dots (H) |
| Pixel Denisty | 50625dots/m² | 30625dots/m² | 22500dots/m² | 15625dots/m² | 10000dots/m² |
| Material | Aluminum | | | | |
| Refresh Rate | ≥3840hz | | | | |
| Colors | 549 Billion | | | | |
| Brightness | ≥5500cd/m² | | | | |
| Life Span | ≥100,000 hours | | | | |
| IP Rating(Front/Rear) | IP65 | | | | |
| Min. Viewing Distance | ≥4.44m | ≥5.71m | ≥6.67m | ≥8m | ≥10m |
| View Angle | 160°(W) 120°(H) | | | | |
| Temperature-operating | -30℃ ~ +80℃ | | | | |
| Humidity-operating | 10%-95% | | | | |
| Source Compatibility | AV,DVI,HDMI,SDI,S-Video,DP etc | | | | |
| Thickness | 85mm | | | | |

# Rental LED Display Parameters

| Items | P1.95 | p2.6 | p2.971 | p3.91 | p3.91 flexible |
|---|---|---|---|---|---|
| LED Chip Model | Kinglight SMD1415 | Kinglight SMD1415 | Kinglight SMD1921 | Kinglight SMD1921 | Kinglight SMD1921 |
| Pixel Pitch | 1.95mm | 2.6mm | 2.976mm | 3.91mm | 3.91mm |
| Pixel Density(m2) | | 147456 dots/m2 | 112896 dots/m2 | 65536 dots/m2 | 65536 dots/m2 |
| Module Size(mm) | 250x250mm | 250x250 | 250x250 | 250x250 | 250x250 |
| Pixels/Module(dots) | 128x128 | 96x96 | 84x84 | 64x64 | 64x64 |
| Cabinet Size(mm) | 500x500/500x1000 | | | | |
| Pixels/Cabinet(dots) | 256x256/256x513 | 250x250/250x500 | 168x168/168x336 | 128x128/128x256 | 128x128/128x256 |
| Cabinet Weight | 8kg/14kg | | | | |
| Brightness(nits) | ≥4500nits | | | ≥5500nits | |
| Viewing Distance | >1.95m | >2.6m | >2.971m | >3.91m | >3.91m |
| Average Power | 180w/m2 | | | | |
| Driver Mode | | 1/24 scan | 1/21 scan | 1/16 scan | 1/16 scan |
| Viewing Angle | H: 140°; V: 140° | | | | |
| Curve(Optional) | -10°~10° | | | | |
| Cabinet Material | Die-casting Aluminum | | | | |
| Refresh Rate | 3840Hz | | | | |
| LED Life | 100, 000 hours | | | | |
| Supply Voltage | AC100~240V(50~63Hz) | | | | |
| Operating Temperature | -40ºC ~ +80ºC | | | | |
| Operating Humidity | 10% - 90% | | | | |
| Gray Scale | 16bit | | | | |
| IP Rating | IP65 | | | | |
| Color Temperature | 6500-9500k | | | | |

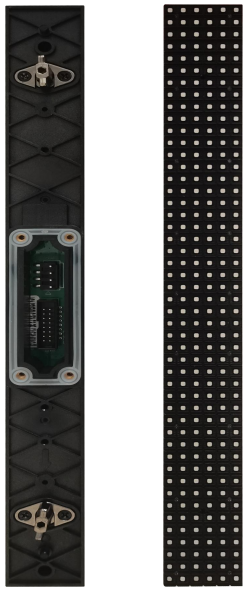
# Naked-eye 3D Solution



Standard Cabinet + Curved Corner Cabinet

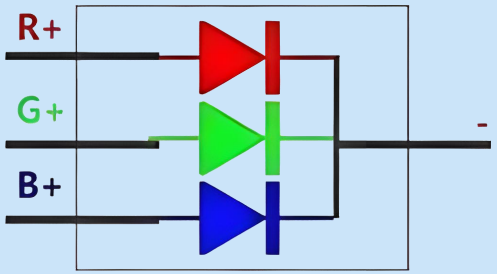
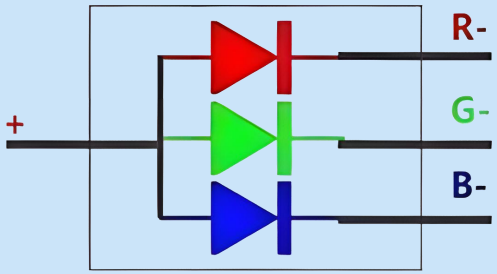
Rear Side of Curved Corner Cabinet

Side of Curved Corner Cabinet

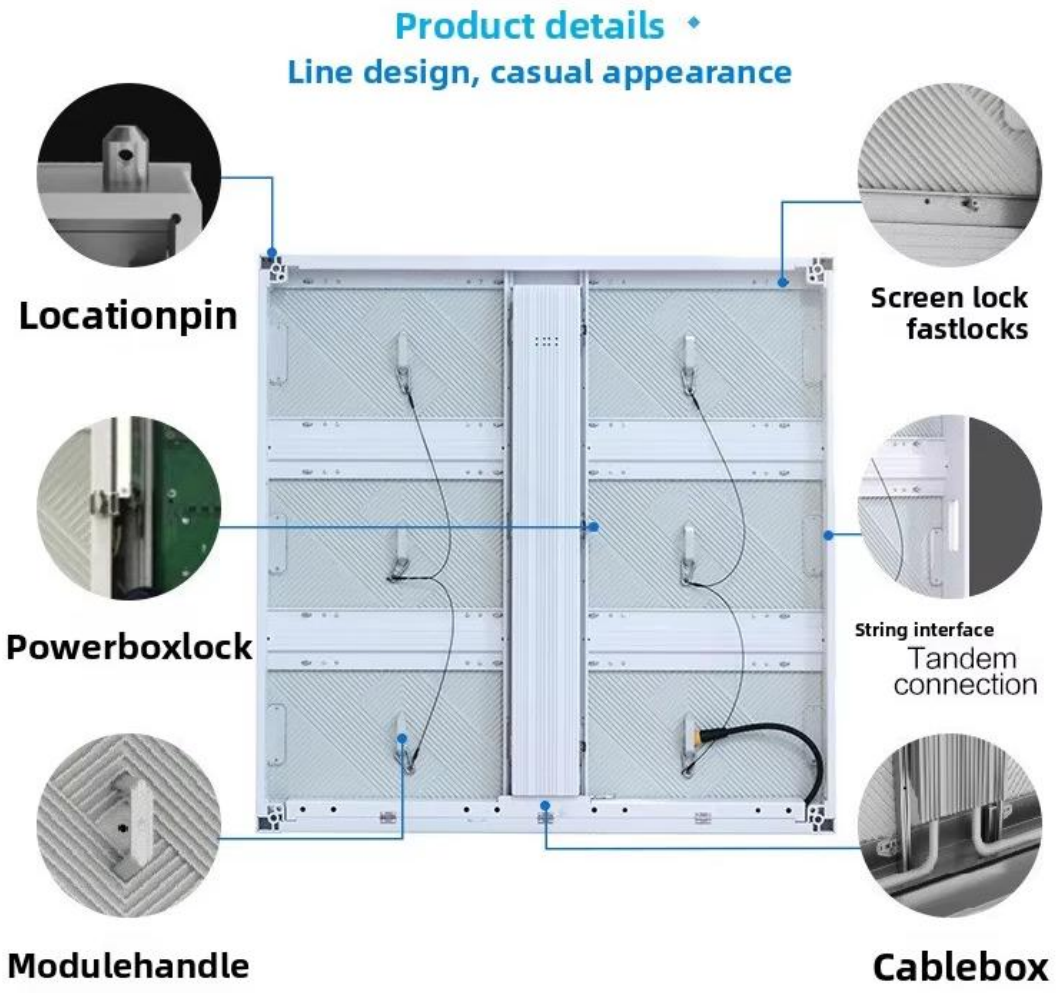


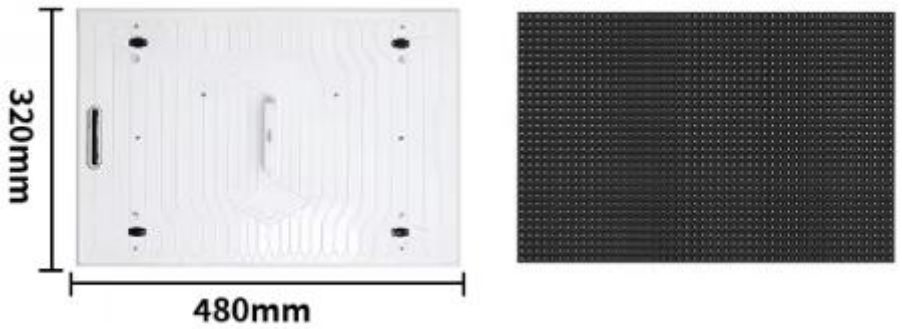
Module of Curved Corner Cabinet

# Common Cathode & Traditional Common-Anode

| Difference | Common Cathode Technology | Traditional Common-Anode Technology |
|---|---|---|
| Circuit diagram |  |  |
| Current Path | The current flows from the driver circuit to the anode of the LED bead, passes through the LED bead, and then reaches the common cathode， forward voltage drop | The current flows from the common anode to the LED beads, then returns through the driver circuit, resulting in an increased circuit voltage drop. |
| Power Supply Method | Independent power supply for R, G, and B, with precise voltage matching (2.8V for red light, 3.8V for blue/green light).) | RGB shares a common power supply, using a fixed voltage higher than 3.8V. |
| power consumption efficiency | The comprehensive energy consumption is 20%-30% lower than that of the common anode (configuration). | Unified high-voltage power supply leads to a significant increase in power loss. |
| screen temperature | Screen temperature is approximately 15°C lower than the common anode (configuration). | Redundant electrical energy is converted into heat. |
| heat dissipation method | Passive heat dissipation (no fan required). | Active heat dissipation (requires installation of a fan or air conditioner). |

# Product Description-cabinet 960x960mm



Profile aluminum box aluminium housing

Die-casting ornaments

Circuit board, power supply, receiving card circuitboards powerbox, receiving card

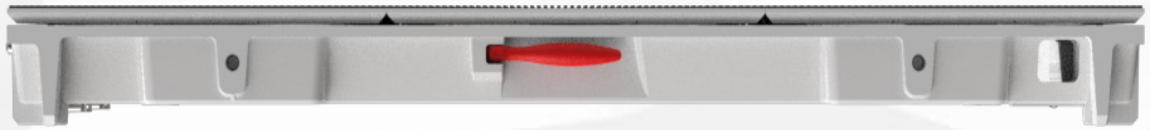
# All-Aluminum Lightweight Cabinet

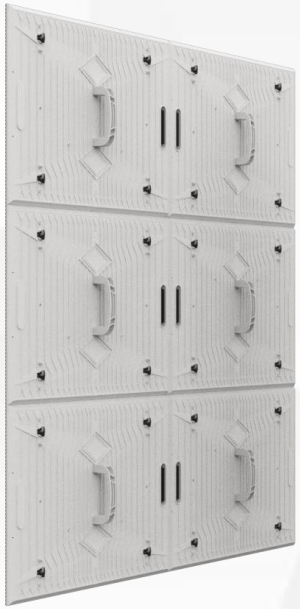
28% lighter and 24% thinner than traditional waterproof iron cabinets, saving space and cutting transportation/installation costs.

Modules, cabinets and power boxes are formed via CNC integrated die-casting, featuring high precision, excellent flatness, and a cabinet tensile strength of up to 900MPa.

Modular design enables flexible assembly/disassembly and easy maintenance.

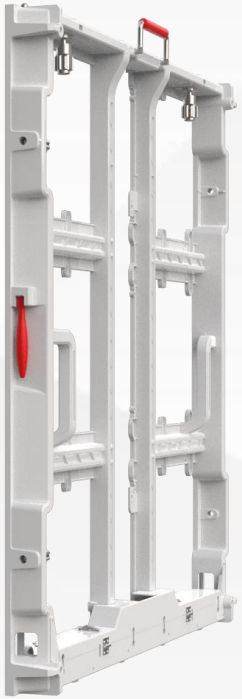
**25KG**





Integrated die-cast aluminum bottom case module

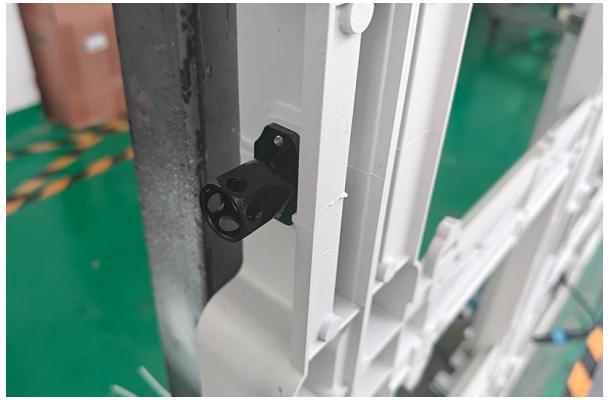
Integrated die-cast aluminum power box



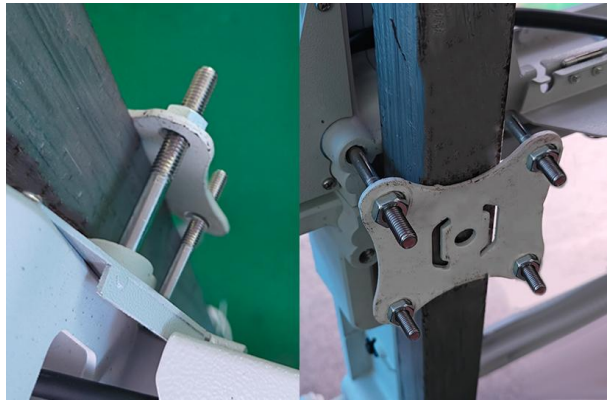
Integrated die-cast aluminum cabinet

# Easy Installation

## Front installation



Lock the fast-lock



Lock connecting plate

Connect the aviation plug cable

## Rear installation

Lock the fast-lock

Lock connecting plate

Connect the aviation plug cable

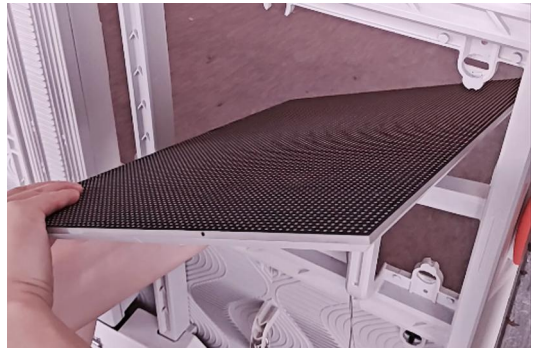
# Simple and elegant

The cabinet is designed with a wire-hiding box to prevent wires from being exposed. This not only enhances aesthetics but also protects the wires from damage by insects and rodents, ensuring long-term stable operation.。

# LED Module maintenance

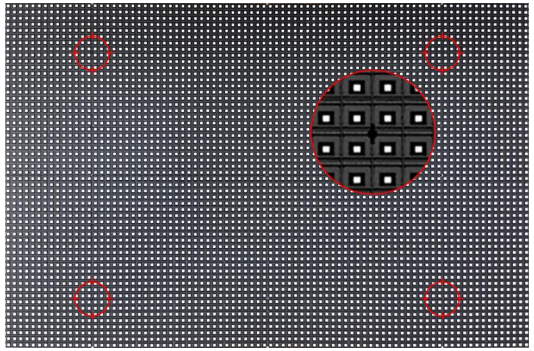
Turn the module lock 90 degrees clockwise to open it

Hold the handle and pull it forward

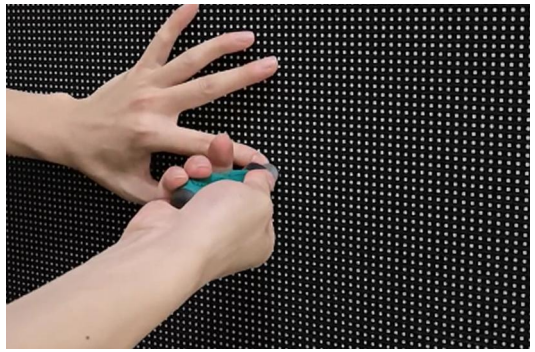


Pull out the LED module backward

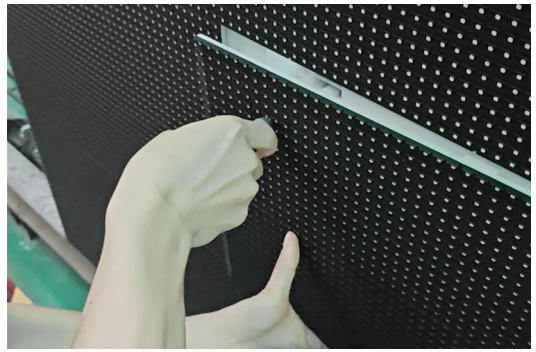
Remove the safety rope



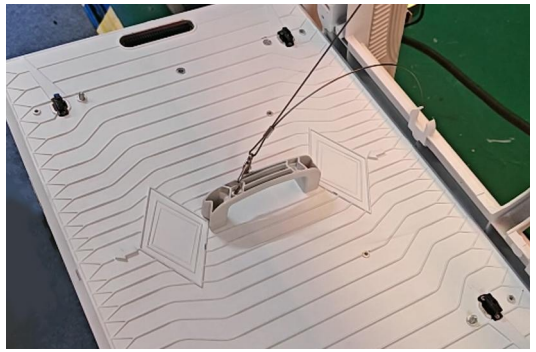
Locate the four maintenance holes on the front of the LED module



Turn the module latch 90 degrees counterclockwise to open it

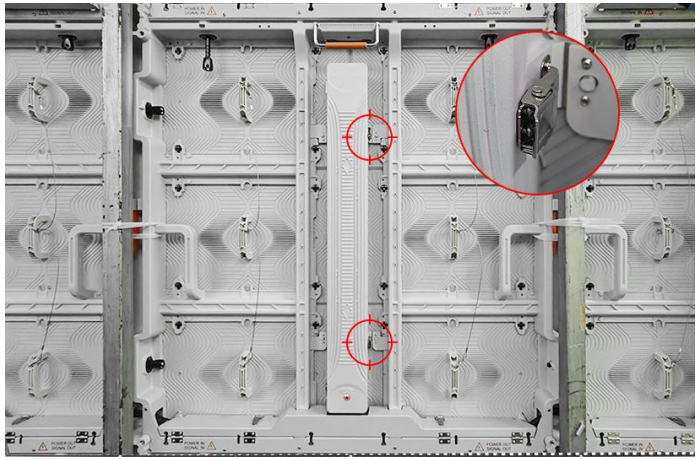


Take out the LED module



Take off the safety rope

# Power box maintenance



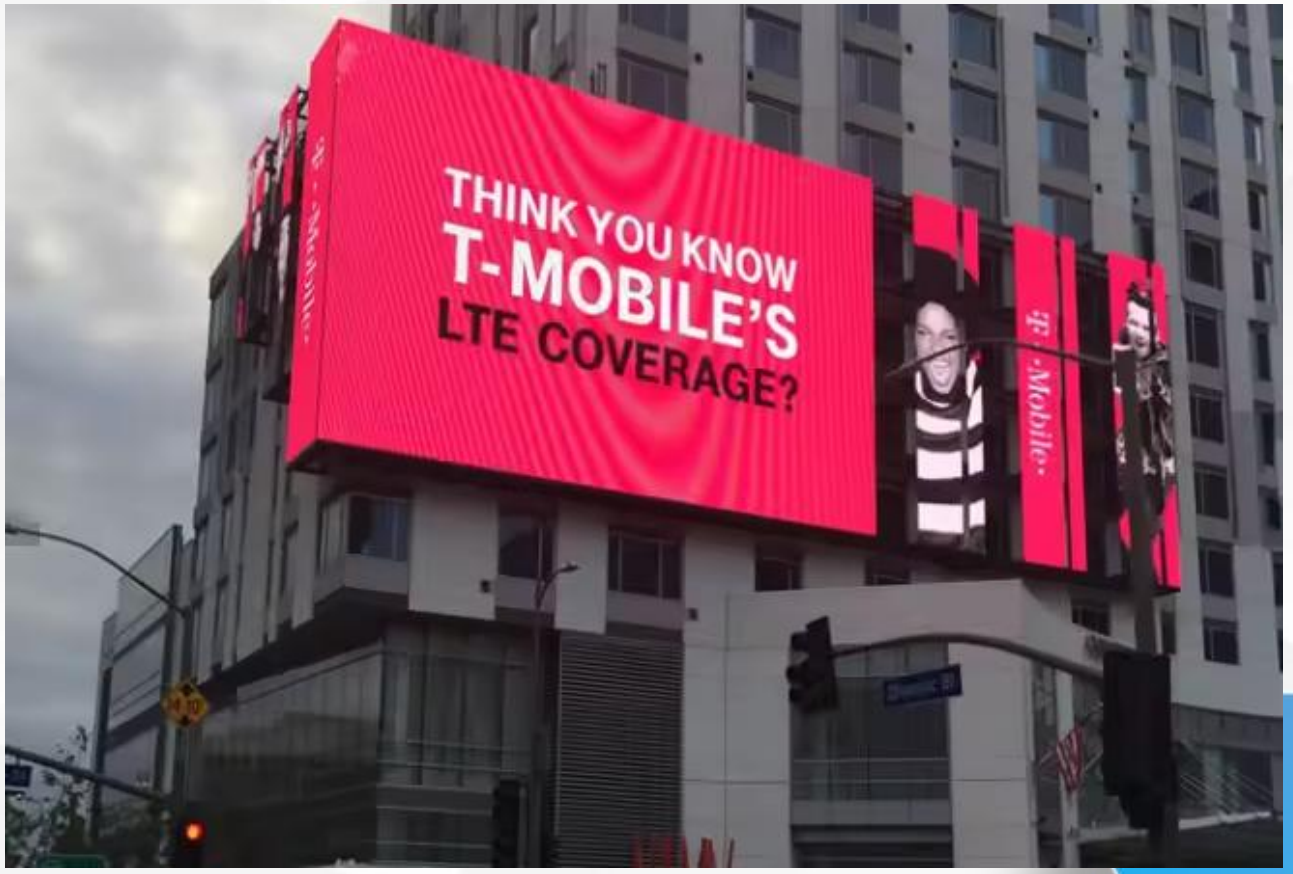
Open the power box latch

Maintenance of the power supply, receiver card, HUB board, etc.

Remove the 8 fixing screws of the power box

After removing the power box, perform maintenance following the above method

# Project Case



# Project Case

# Project Case

# Project Case

# Project Case

# Service

- Quality: we have a strict quality control system. All displays will undergo aging tests for 24hours at least.
- Logo : your logo can be printed on the cabinet
- Package: support for wooden package and flight case both.
- MOQ: we accept sample order in small sqm , such as 1sqm , 2sqm.
- Warranty: 3 years , free spare parts & free technical support
- Lead time: 12 days after initial payment depsoited
- Payment method: TT, Western Union