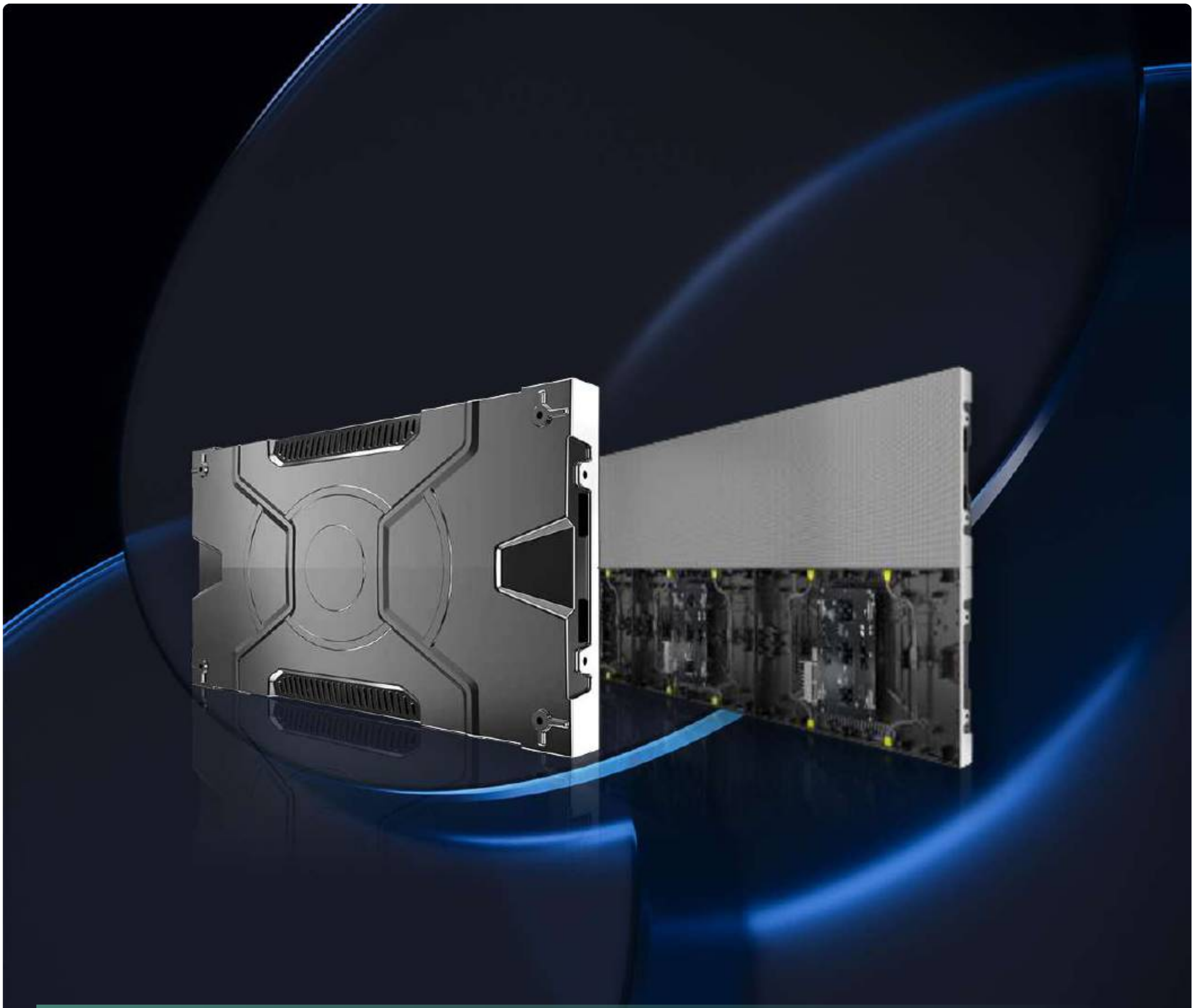

O-HD PRO / SERIES
Small Pixel Pitch
Led Display

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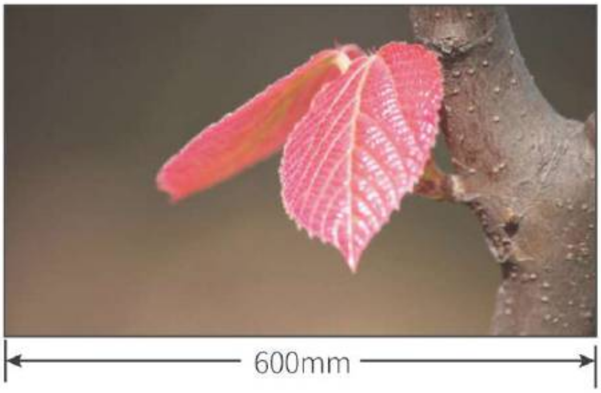
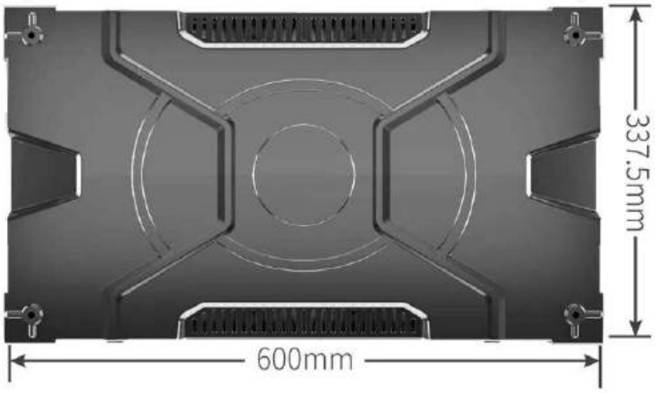




Product Parameter

SPECIFICATION				
Pixel Pitch	0.93mm	1.25mm	1.56mm	1.87mm
Encapsulation brand	NationStar/Kinglight			
LED lamp bead model	Mini	SMD1010	SMD1212	SMD1515
Pixel composition	4R4G4B	1R1G1B	1R1G1B	1R1G1B
Moudle Reslution(W*H)	320*180	240*135	192*108	160*90
Moudle Size(W*H)	300×168.75mm	300×168.75mm	300×168.75mm	300×168.75mm
Moudle Fixed Way	Front Access Maintenance (Magnetic)			
Panel Reslution(W*H)	640*360	480*270	384*216	320*180
Panel Size(W*H*D)	600mm×337.5mm×54mm			
Module Arrangement(W*H)	2*2	2*2	2*2	2*2
Panel Weight (kg/panel)	6kg			
Panel Material	Die-casting aluminum frame			
Cabinet Flatness (mm)	≤0.1mm			
Maintenance Way	Front Access			
Density of Pixel (dots/m2)	1137777	640000	409600	284444
Brightness(cd/m2)	≥ 500 (0~255 adjustable, adjustment step 1)			
Viewing angle	160°/160°			
Brightness Uniformity	≥ 99%			
Contrast	5000:1			
Protection level	Ip30			
Gray scale	16bit			
Chromaticity uniformity	±0.003 within Cx,Cy			
Driving method	1/64dynamic	1/60dynamic	1/64dynamic	1/45dynamic
Frame change frequency	60			
Refresh rate	3840			
Color temperature	1000K～9500K			
Operating platform	Windows XP /7/8/10			
Signal Input	HDMI/DVI/Flash storage			
Operating Voltage	AC: 110V~240V、50~60Hz			
Maximum Power (W/m2)	500			
Average power (W/m2)	100-180			
Continuous working time	≥7×24hrs			
Service life	100000Hours			
Operating environment	-10℃～60℃ 10%～90%RH			

Product Specification

P0.93

Cabinet Resolution: 640*360
Pixel: 1137777Dots/㎡
Module Size: 300mm*168.75mm
Lamp Model Mini LED（4in1）

P1.56

Cabinet Resolution: 384*216
Pixel: 409600Dots/㎡
Module Size:300mm*168.75mm
Lamp Model: 1212

P0.93 P1.25 P1.56 P1.87

Cabinet Resolution: 480*270
Pixel: 640000Dots/㎡
Module Size: 300mm*168.75mm
Lamp Model: 1010

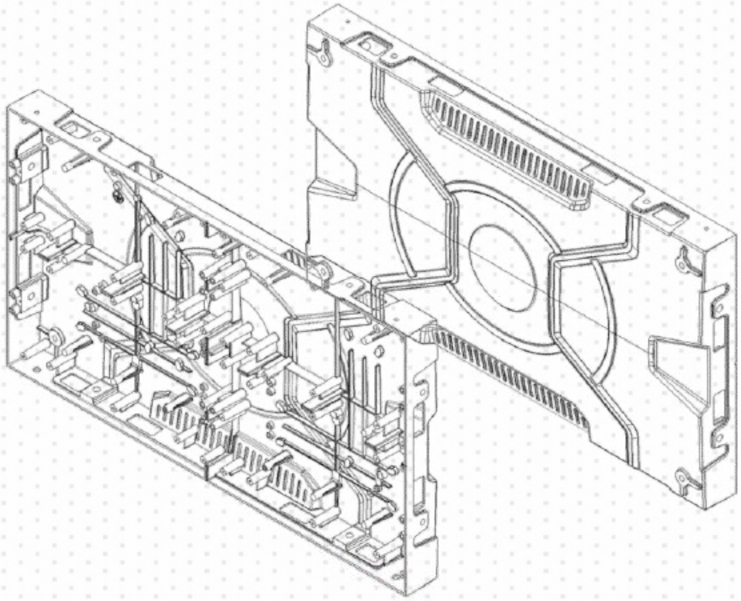
P1.25

Cabinet Resolution: 320*180
Pixel: 284444Dots/㎡
Module Size: 300mm*168.75mm
Lamp Model: 1515

P1.87

Cabinet Structure

(CAD Diagram)



Cabinet Appearance

(Appearance, size, structure, hole location, wiring, etc)

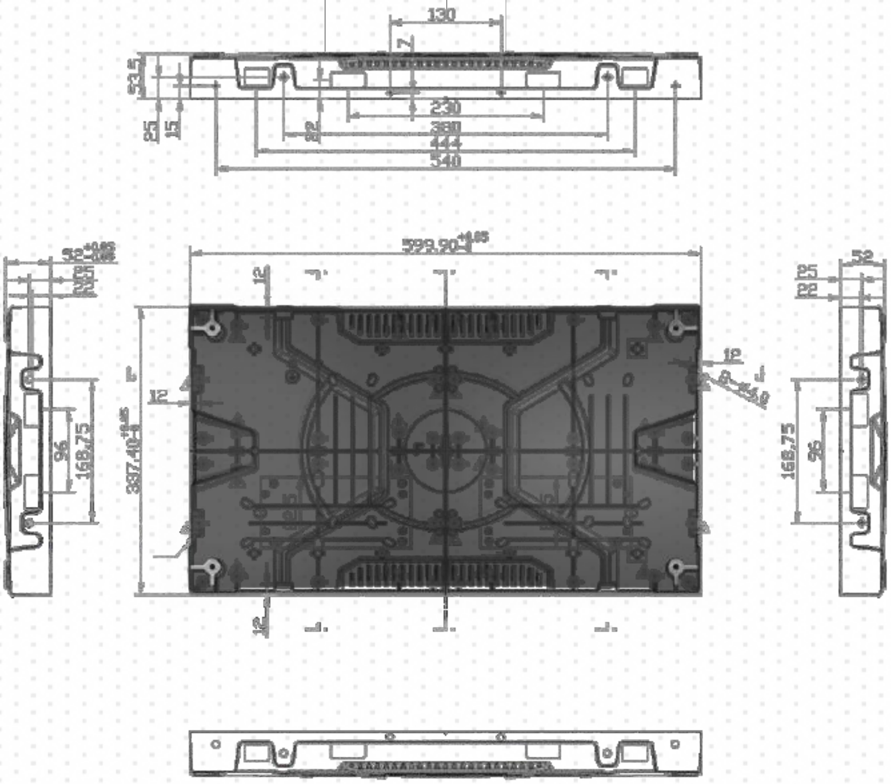
- Flatness<0.2mm
- Manufacturing tolerance compliance GB/ T6414-C4
- Surface roughnessRa0.2

Material: high densitydie cast aluminum

- No bubbles, no cracks
- No material, no burrs

Appearance: Cabinet appearance is smooth

- Smooth and clean without obvious scratches
- No trachoma, no pores, no burrs
- No powder and burrin thescrew hole



Weatherability: Salt spray test

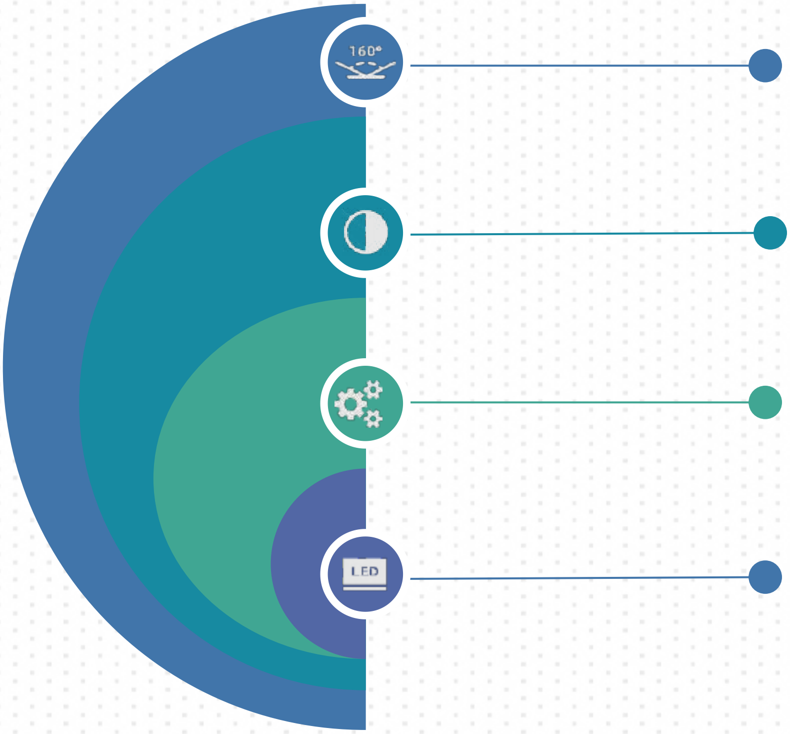
- Salt spray testsmeet national standards

Hardness: meet industrystandards

- Diecast aluminum metal material
- Strong, light and durable
- Not easy to defprm underheat

Product Description

(Refresh Rate、Gray-scale、Viewing Angle、Contrast)



High Viewing Angle

- Vertical and horizontal perspectives: ≥160°

High contrast

- Using 1010,1212,1515lamp etc
- Inside is composed of RGB chips.
- Exterior is enclosed by a matte blackstand,
- The ink color is uniform and consistent, contrast ratio is up to 5000:1.

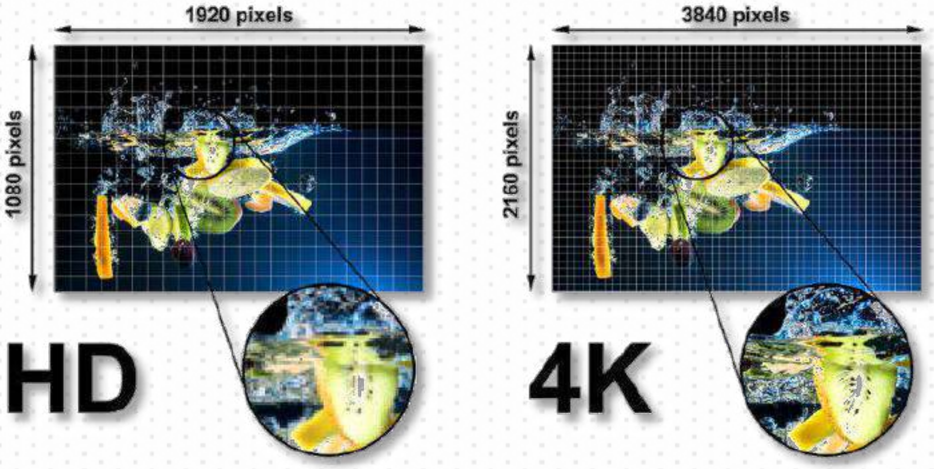
Drive Solutions

- With hidden function, high scan
- Improved and eliminated firstline dimming
- Improve the function of low gray color and pitting

Reflesh &.Gray-Scale

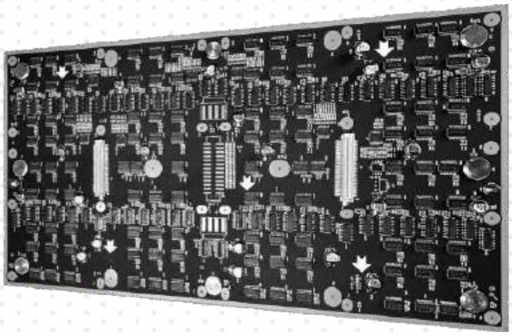
- High Reflesh Rate: ≥1920-3840Hz
- High Gray-scale: ≤16bit

High color reduction degree, real & exquisite, the brightness is stable and uniform, no flicker, no sense of particles.



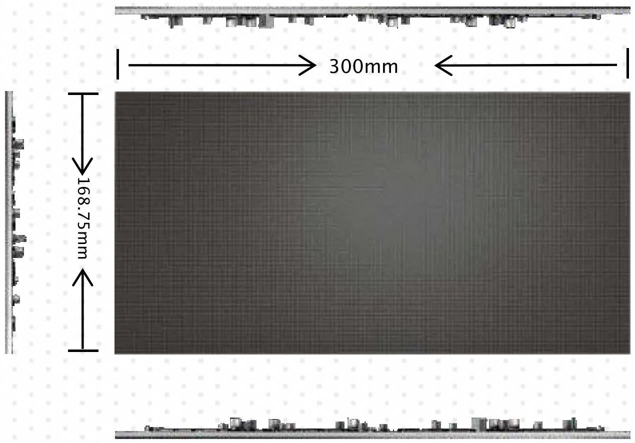
Module Specification

(Perspective view, back–view, front–view)



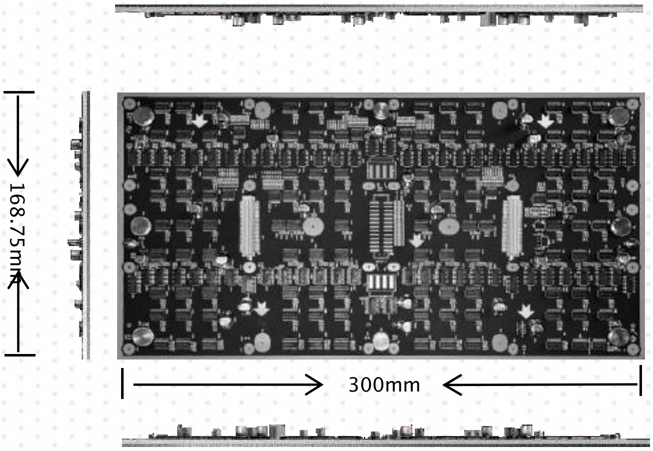
Perspectiveview

- Easy to install
- Data direct
- Replacementfast



FrontView

- Inky consistent
- High smoothness
- High Angle



BackView

- High heat dissipation
- High–strengthmagnets
- Fire–proofmaterial

The Receiving System

(A7s / K5+)

- **A7s \ K5+**
- Single card supports 32 groups of RGB signal output in parallel;
- Single card supports maximum 512×384 pixels
- Support high-precision point-by-point correction of chroma and brightness integration;

- Support intelligent module, store correction coefficient, module parameters, etc.;
- Support monitoring of box temperature, humidity and power supply;
- Support any scanning type from static to 64 scanning, support serial decoding scanning such as 595;
- Support intelligent module, store correction coefficient, module parameters, etc.;
- Support dc3.8V ~5.5V ultra-wide working voltage;
- Support the whole series of regular card sending cards of Colorlight.

- Support low light and high gray and color temperature adjustment;
- Support receiving card to extract rows and columns;
- Fast upgrade and fast send correction coefficient;

Product packaging

(Outer packing diagram)

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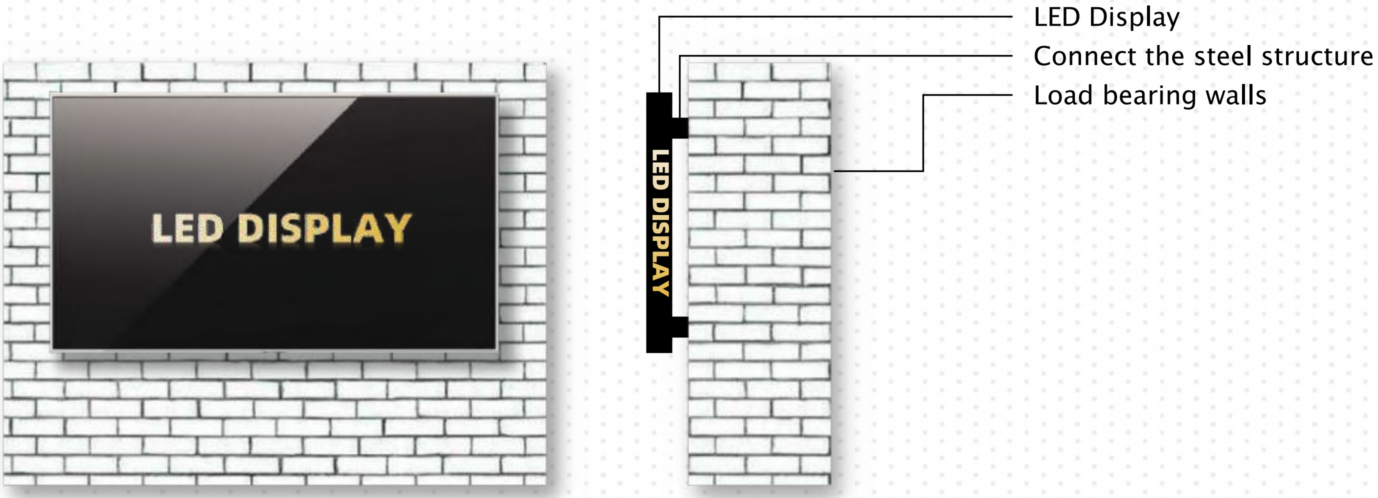
全彩显示屏
DISPLAY
FRAGILE

- **Packing Instructions:**

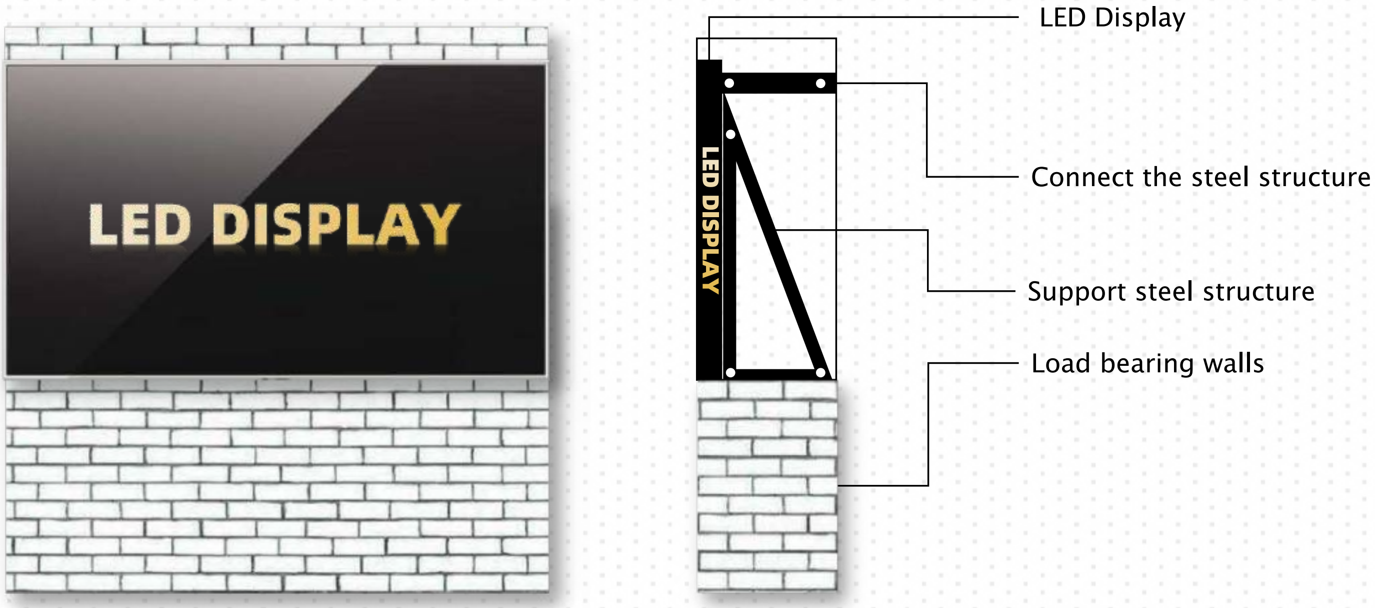
- The packing material adopts high-quality K carton, containing pearl cotton and Angle guard, which can effectively avoid damage causedby collision during transportation.

Installation

(Installation diagram)



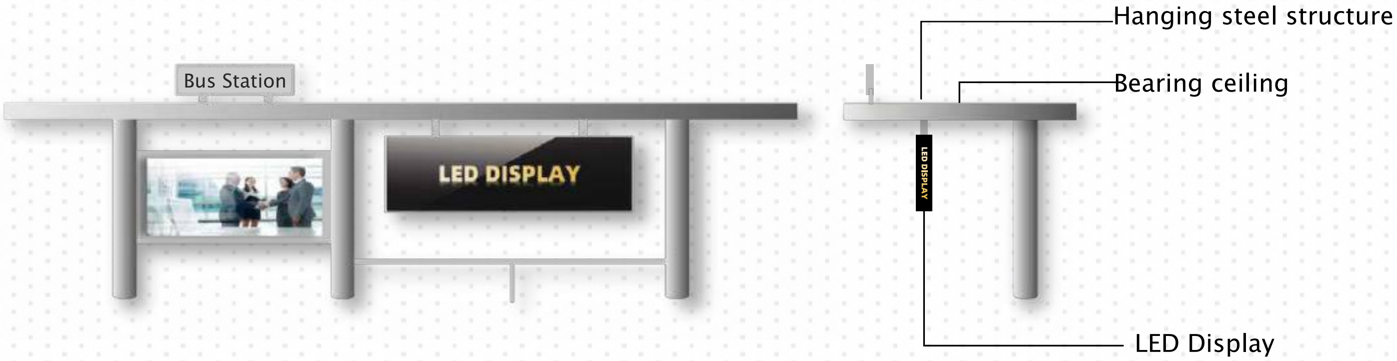
Wall mounted installation



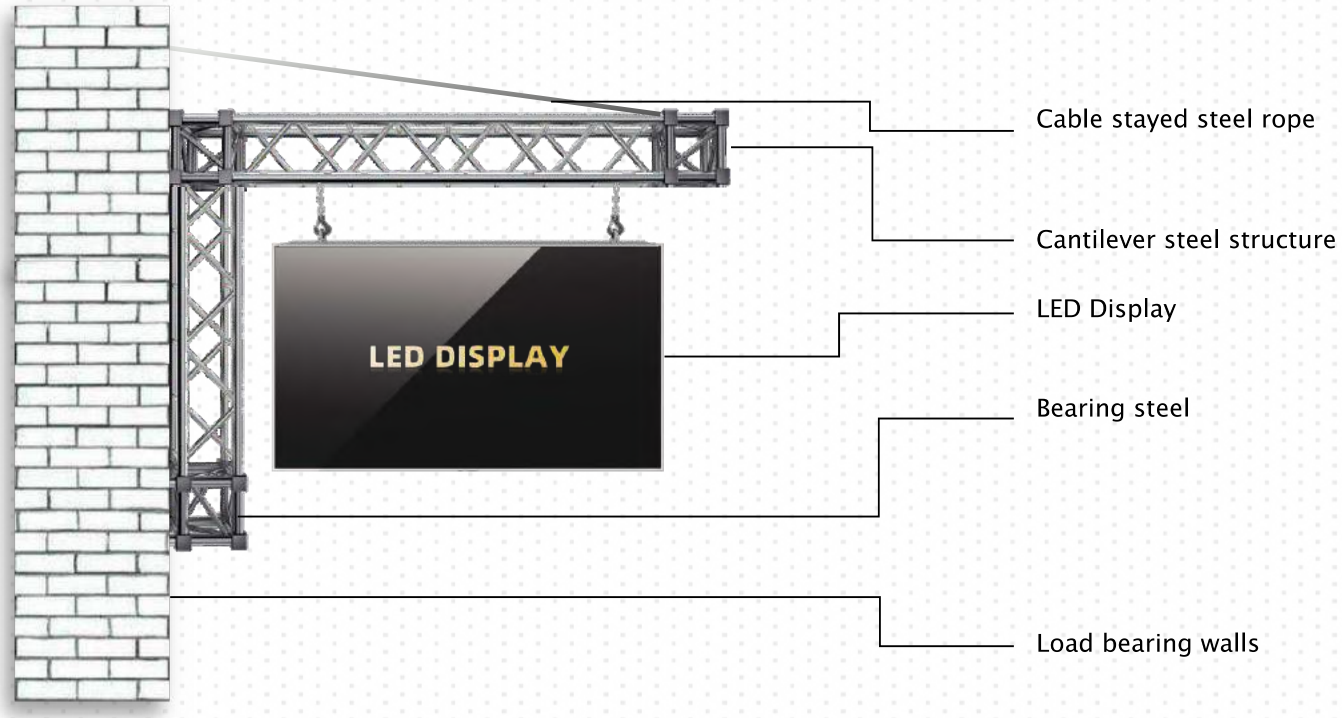
Floor mounted installation

Installation

(Installation diagram)



Hanging installation



Cantilever installation

● Mattersneeding attention

(Transportation, storage, installation, use, maintenance and other precautions)

Temperature range:

The working temperature is controlled at -20~50 ° C;

The storage temperature is -10~30 ° C.

Waterproof grade:

Waterproof grade of indoor products is Ip30;

Note: contact with water inside the display may causeshort circuit and damage of circuit board andcomponents.

Protection against electromagnetic radiation:

The LED screen should not be placed in anenvironment with large electromagnetic radiationinterference, which may cause abnormal display.

Esd protection:

Wear esd rings and esd gloves, and ground all toolsduring assembly.

Transportation and handling:

Do not fall, push, squeeze and press the module, toprevent the module from falling and bumping, so as notto breakthe kit, damage the lamp beads and otherproblems.

Environmental inspection:

A hygrograph must be installed onsite to monitor thesurrounding environment of the display to checkwhetherthe display is affected by moisture or moisture.

Humidity range:

Working humidity control in 10%-65%RH;

The storage humidity is 10%-60%RH.

Dustproof grade:

Indoor dustproof grade is Ip30;

Note: The display screen is exposed to a dustyenvironment, which may cause short circuit and damageto the circuit board and components.

Anti-static:

The metal shell of the power supply, box, and screenmust be properly grounded with a ground resistance ofless than 10 ohms to avoid electrostatic damage toelectronic

Operation mode:

Do not assemble modules, boxes, or the entire screenwhen the power is on. Perform operations when thepower is completely off to protect your personalsafety.

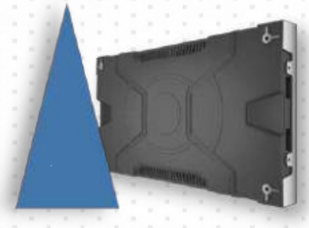
Note: It is forbidden to touch the display screen whenit is lit, in order to avoid the static electricity caused byhuman friction to breakdown the LED andcomponents.

Connection mode:

The module has positive and negative silkscreen marksand cannot be connected inversely. It is forbidden toconnect 220V ac.

Directions for use

(Preheat dehumidification, normal dehumidification, over range dehumidification)



Dehumidification within normal range

If the ambient humidity is in the range of 10%-65% RH, you are advised to turn on the screen once a day and use it for more than four hours to remove moisture from the screen.

Dehumidification within exceeded range

When the ambient humidity is above 65%RH, dehumidifier the environment. It is recommended to use the display for more than eight hours a day and close the doors and Windows to prevent the display from dampness.

Preheat dehumidification method

When the display is not in use for a long time, the display must be preheated and dehumidified before use to avoid moisture caused by lamp tube defects.

Specific methods:
20% brightness for 2 hours, 40% brightness for 2 hours, 60% brightness for 2 hours, 80% brightness for 2 hours, 100% brightness for 2 hours, With this brightness increasing dehumidification.

Note: Due to the different environment, please flexibly adjust according to the local actual situation, if the above content is changed, no further notice, please refer to the latest written information of our company.

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Product application

ONEDISPLAY LED Display products are widely used in smart city, command and dispatch, conference medical education, security monitoring and emergency response, radio and television broadcasting, military operation command center, airspace and rail transit, e–sports, oil and gas energy and other fields.

Battle command center

Radio and televisionstudio

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5G 新时代

Product application

ONEDISPLAY LED Display products are widely used in smart city, command and dispatch, conference medical education, security monitoring and emergency response, radio and television broadcasting, military operation command center, airspace and rail transit, e–sports, oil and gas energy and other fields.

Security monitoringemergency

Conference medicaleducation

Product application

ONEDISPLAY LED Display products are widely used in smart city, command and dispatch, conference medical education, security monitoring and emergency response, radio and television broadcasting, military operation command center, airspace and rail transit, e-sports, oil and gas energy and other fields.

Big businessmeetings

Smartcity construction

Product application

ONEDISPLAY LED Display products are widely used in smart city, command and dispatch, conference medical education, security monitoring and emergency response, radio and television broadcasting, military operation command center, airspace and rail transit, e-sports, oil and gas energy and other fields.

Oil and gasenergysector

Airspace rail transit

LED Screen Manufacturer in China

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