PRODUCT SPECIFICATION

(Indoor D series 320X160mm)

Product Name：Indoor Full Color Display P2.5 32S Module

Model ： D-P2.5(1515)-32S-320X160-V*

Document Number： 2305121140

Version Number： Rev3.0

Fiction：	Audit：	Ratify：

Statement：

This document strives to be accurate but may still be errors， it is for reference only, please refer to actual product.

If product information is updated, pls refer to the latest specification for details without prior notice.

Xiamen Haijia Technology Co., Ltd reserves the final right of interpretation.

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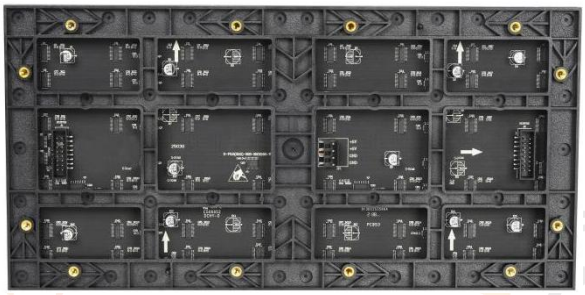
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1、Product description

- Uniform kit size & hole position for indoor D series, cabinet hole position can be used universally;
- Select high-quality SMD1515 dedicated lamps, uniform ink color on the screen, good consistency, and more realistic screen color restore;
- Dedicated driver chip for LED high-density full-color screen：ghost shadow and open cross reduction, 2/4/8 times increase in multiplier refresh frequency rate, improve functions such as low gray color cast, low gray pitting and first line darkness, etc., and excellent anti-interference ability；
- High-definition display: high-resolution brings high-definition and delicate display effects, pixel-to-pixel real-time display without flickering or graininess；
- High grayscale, ultra-broadband load: adjustable grayscale 13~14Bits , clear and real display quality, bright and smooth playback effect；
- Good flatness: Self-developed and manufactured multi-reinforced structured bottom shell, hard to deform;
- Easy installation and maintenance: the bottom shell of the module adopts a quick-release magnetic back cover, which is easy to install

2、Appearance and structure

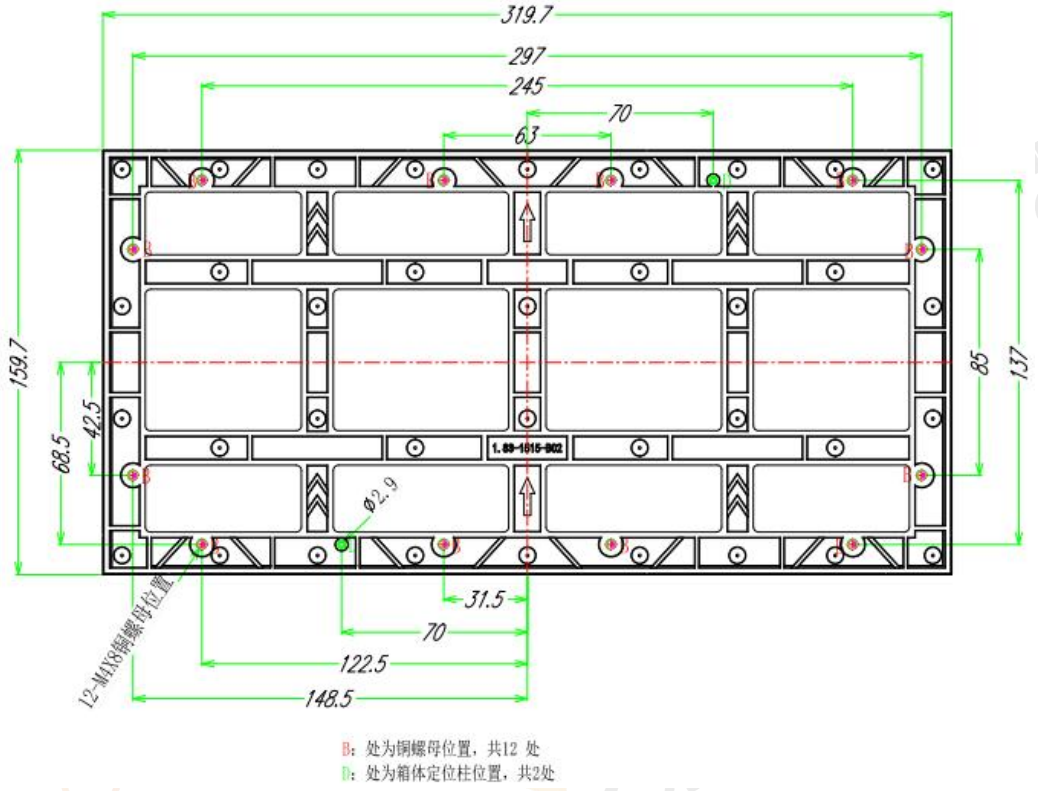
2.1 Module picture

Front view	Back view
	

2.2 Packing and accessories

Outer packing	Size(mm)：570*372*412 Volume(m³)：0.08736
	Gross weight：20.0kg
Inner packing	40pcs/box
	Module Packing：plastic package
Standard fittings	Wiring specification： 16P pin header, 45mm long
	Power cord specifications: 2.5mm² one to two power cord, 40cm tow 32cm (oxygen-free copper)

2.3 Mounting hole location



Remarks: If you want to make a cabinet, please inform and confirm the hole position diagram of the order product in advance, and refer to the CAD drawing for details; the unit of all dimensions is mm.

3、Technical parameters

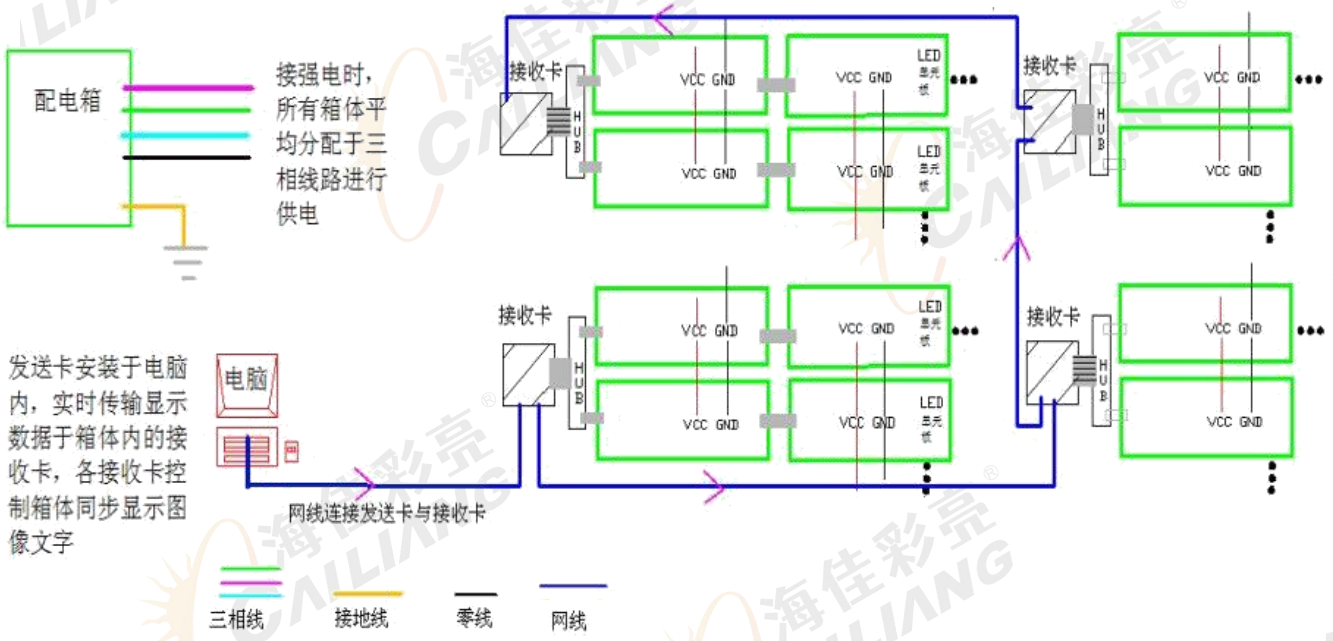
3-1 Product technical parameters

Items	Technical parameters	
Module	Module size	320mm (W)*160mm (H)*15mm（T）
	Pixel pitch	2.5mm
	Pixel density	160000dots/m2
	LED lamp	SMD1515
	Resolution	128*(W)*64(H)
	Module area	0.0512 ㎡
	Weight	0.45kg±0.01 kg
optical parameter	Viewing distance	≥2.5m
	Viewing angle	150 (H)/150 (V)
	Pixel configuration	1R1G1B
	Brightness range	500-550cd/㎡
electrical parameter	Working voltage	DC 4.2-5V
	max power consumption	≤19W
	Driver IC	Constant current drive
	Drive mode	1/32 scan, constant current
	Refresh rate	≥1920Hz/3840Hz
	Gray scale	12-14bit
	Control mode	Synchronous control
	Maximum power	≤ 371.1w/m²
	Power distribution	559.7w/m²(Maximum power per square meter÷78 %÷85%)
System working characteristic	Operating environment	Indoor
	Working temperature	-10℃~40℃
	Working humidity	10%至 65%RH(No condensation)
	MTBF	≥10000 hours
	Work life	≥100000 hours
	Blind spot rate	≤1/10000
	Attenuation rate(Working 3 years)	≤15%
	Flatness	Horizontal flatness of the screen<1mm/㎡
*The contents and information in the product will be subject to change without further notice, the company does not undertake any responsibility.		

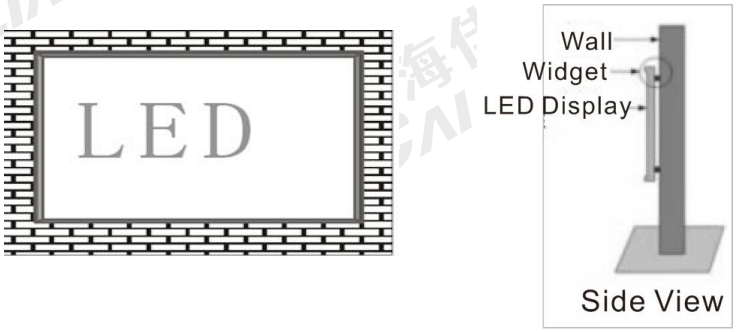
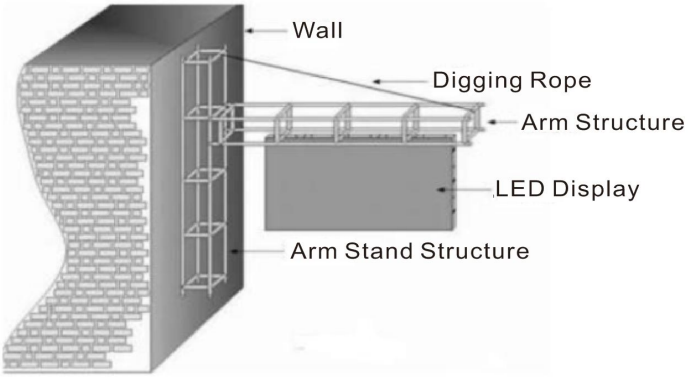
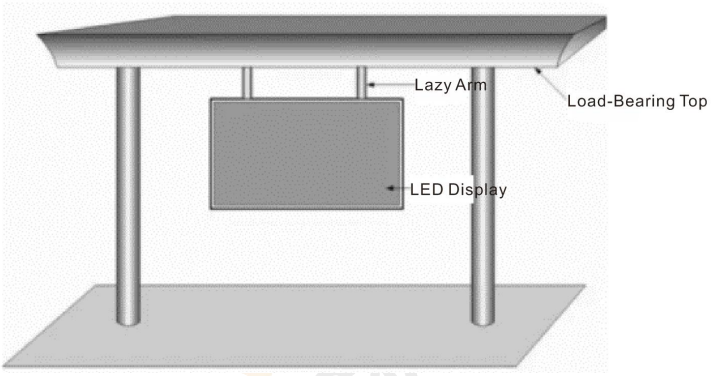
3-2 Pin definition

Pin assignment					Pin function description					
PIN (HUB75)					Pin number	Function	Remark	Pin number	Function	Remark
1	●	●	2		1	R1	Red data signal	2	G1	Green data signal
3	●	●	4		3	B1	Blue data signal	4	GND	Grounding
5	●	●	6		5	R2	Red data signal	6	G2	Green data signal
7	●	●	8		7	B2	Blue data signal	8	GND	Grounding
9	●	●	10		9	A	A scanning signal	10	B	B scanning signal
11	●	●	12		11	C	C scanning signal	12	GND	Grounding
13	●	●	14		13	CLK	Clock latch signal	14	LAT	Displacement latch signal
15	●	●	16		15	OE	Enable signal	16	GND	Grounding

4、Electrical connectivity diagram



5、Installation

Installation Type	Picture
Wall hanging	
Wall mount	
Cantilever mount	
Hanging	

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6、Acceptance criteria and methods

Items	Acceptance criteria and methods
LED Display Brightness	Turn the screen to a fully bright state, adjust the brightness efficiency in the test software to 80% on the computer, and use a light gun to measure the brightness of the screen body within 10 minutes. When measuring brightness, the light gun is required to be aimed at the screen body, it is best to measure that the time gun can be kept level with the screen body, ensure that the black position of the observation window covers more than 16 pixels, adjust the focus so that you can clearly see the luminous point before measuring and reading.
Visual angle	When measuring, people stand at the left and right positions of the screen body 150°, and the viewing angle under the screen body is 70° (that is, the vertical viewing angle of the screen body is 140°), which requires no obvious black spots and no obvious dark blocks in the screen body.
Grounding & lightning protection treatment	**Grounding:** The structure of the switching power supply shell, cabinet and screen body is correctly grounded, and the grounding point is correctly marked with landmarks, and the grounding resistance is required to be ≤ 10 ohms, and the spot check is carried out every six months. **Lightening:** It is required that the building has lightning rod or lightning protection belt facilities and is effectively grounded, and the distribution box is required to be equipped with a surge protector, and the lightning protection facilities are inspected every six months.