Indoor LED
Product Specification

P1.8 Pixel Pitch

P1.8 indoor surface mount three-in-one module
Light driver integrated
1515 Lights

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一、Main technical parameters

Indoor full color P1.8 (1515)

P1.8 Indoor Full Color Display SMD 1515 (1R1G1B)

MODULES UNIT MODULE	ITEM	PARAMETER
	PRODUCT MODEL NUMBER	P1.8
	MODULE STRUCTURE	PREMIUMQUALITY HARD PLASTIC /DIE-CAST ALUMINUM
	MODULE SURFACE	ANTI-RUST ANTI-CORROSION NANO SPRAYED SURFACE, SEAMLESS BEZEL-LESS DESIGN FOR UNIFORM DISPLAY
	MODULE SIZE	320 MM* 160 MM
	PIXEL PITCH	1.8 MM
	CONTRAST RATIO	12,000:1
	VIEWING ANGLE	170 H / 170 V
	PIXEL CONFIGURATION	1R1G1B
	LED PACKAGE PACKAGE MODE	SMD 1515
	PIXEL RESOLUTION	128 DOTS(W)* 64 DOTS(H)
	BEST VIEWING DISTANCE	1.8 meters on wards
	PANEL CURRENT	4-4.5A
	MODULE MAXIMUM POWER CONSUMPTION MAX POWER	36 W
	MODULE THICKNESS	1 6 MM

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MODULES UNIT MODULE	MODULE WEIGHT	0.4 KG
	DRIVE TYPE	CONSTANT DRIVE
	SCAN MODE	1/32SCAN
	PORT TYPE	HUB75E
	BRIGHTNESS OF WHITE BALANCE	900 NITS
	COLOR TEMPERATURE	3000-16,000 ADJUSTABLE
	REFRESH FREQUENCY	≥ 3840 HZ
	REFRESH RATE:	≥ 90 HZ
	MODULE LIFE	100000 WORKING HOURS
	Video Support	2K HD, 4K UHD
	Resolution Support	Full HD , 4K , 2K
	OTHER FEATURES	• 24/7 WORKING OPERATION • MODULAR DESIGN
	OPTIONAL ADD ON ANDROID MODULE	LIVE ANNOUNCEMENT + DIGITAL SIGNAGE, EMERGENCY ALERT SYSTEM, EMERGENCY BROAD CAST SYSTEM IN WHICH EMERGENCY MESSAGES, KEY NOTICES, CAN BE SENT TO THE SMD THOUGH LAN NETWORK WITHIN THE COLLEGE IN FORM OF VIDEO, TEXT, IMAGES THROUGH MOBILE APP, DIRECT DATA TRANSMIT THROUGH MOBILE PHONE/TABLET, WEBSITE LINK AND DMS(DOCUMENT MANAGEMENT SYSTEM)

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2. Product Features:

With 1.8mm ultra - small dot pitch, ultra - high resolution is achieved indoors, presenting an amazing high-definition image effect. With wide viewing angle, the colors are still real and gorgeous no matter you look from top to bottom or left to right, meeting the needs of viewing from different angles. With three-in-one LED, RGB color mixing effect is good, making the colors more vivid and the images more realistic.

The screen occupies a small volume, the box is light, and it is an indoor high-density full-color screen. The displayed image is delicate and realistic. It has surface mount packaging technology, uniformity, brightness, and good viewing angle. It can be quickly installed and disassembled, saving your valuable time and labor costs.

◆ LED Light

The 1515 black light, which is packaged with high-end chips from world-renowned manufacturers , fully guarantees the service life and display quality of the display.

◆ Driver IC

It adopts high refresh rate, high grayscale constant current driver IC from world-renowned top manufacturers, with excellent driving performance, stable and reliable.

◆ PCB board

The multi-layer circuit design ensures uniform current distribution on the light board, good heat dissipation, prevents color blocks from appearing under low grayscale conditions, and enhances anti-electromagnetic interference capabilities.

◆ Connectors

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Using high-quality 1 U gold-plated connectors, there is no wiring connection inside the box, which is stable and reliable.

◆ Drive and control

Dedicated 1 6 BIT high grayscale, high refresh drive constant current IC, unique blanking circuit, protect LED, prevent surge leakage

3. Module physical picture display

4. Packaging

The packaging uses high-quality cartons, and the modules are equipped with corner protectors containing pearl cotton to effectively prevent product damage due to collision during handling and transportation.

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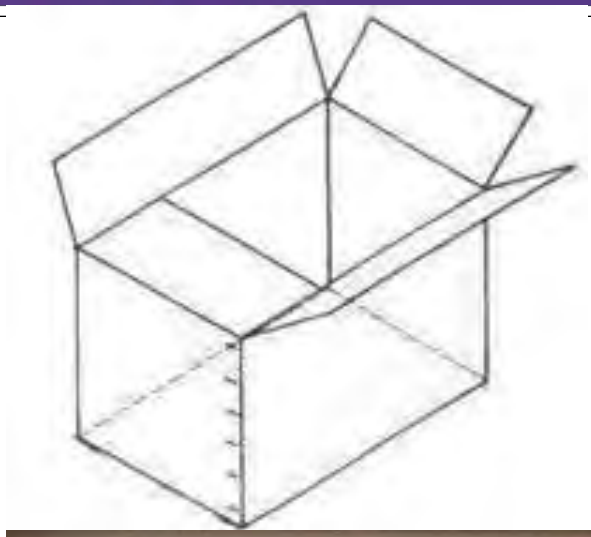

5. Precautions

Usage Environment

1. This product is an indoor display ;
2. Avoid using in high temperature, high humidity, high acid / alkali / salt environment ;
3. Keep away from flammable substances, gases and dust ;
4. The normal operating environment temperature of this product is -20~50℃, and the optimal environment temperature is -10~40℃;
5. The storage temperature is -30~ 60 ℃. Avoid storage in high temperature, high humidity, high acid / alkali / salt environment; keep away from

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flammable items and gases .

6. Avoid strong collisions during transportation and avoid collisions with sharp objects ;

operate

1. The power terminals of this product must not be connected in reverse ;
2. If this product fails during the warranty period, please send it back to our company for repair, or repair it under the guidance of our after-sales personnel ;
3. When disassembling/assembling the product, be sure to operate carefully to avoid hitting the product with tools ;
4. During operation and use, lightning protection and anti-static work should be done; the box and steel structure should be grounded ;
5. When using this product, the power cannot be turned on and off continuously. The interval between the two operations should be at least 1 minute .
6. This product cannot be turned off for a long time. It is recommended to use it once every half a month and power it on for 4 hours. In a high humidity environment, it is recommended to use it once a week and power it on for 4 hours .
7. This product is not allowed to play full white images at the highest brightness for more than half an hour. It is recommended to play dynamic videos as the main content .

7. Cleaning

If you want to clean the surface of the module, please use a soft brush to brush it gently. Do not use any liquid substance to clean the surface of the LED module, otherwise it may damage the LED.

Note: Our company will continue to upgrade and improve existing products . Specifications are subject to change without prior notice . The right to interpret the product specifications, models and technical indicators belongs to our company.

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