

MI-P2D5RGB32S12864SS

P2.5 Indoor Full-Color LED Display Module P2.5 320mm x 160mm Indoor RGB LED Display Module

Specification

Description:

The P2.5 Indoor Full-Color LED Display Module is a versatile and high-performance LED display solution that is ideal for a wide variety of Indoor applications. It is composed of high-quality LED beads that are packaged in a slim and lightweight design, making it easy to install and maintain. The module also features a constant current drive system that ensures uniform luminescence and low power consumption.

Key Features:

- **High brightness and good consistency:** The module features premium LED components from LuckyLight, renowned for their exceptional brightness and consistency, resulting in a stunningly clear and vibrant image.
- **Uniform luminescence and low power consumption:** The constant current drive system ensures that the LEDs emit light uniformly, reducing power consumption and saving energy.
- **Lightweight and easy to install:** The thin and lightweight design makes the module easy to install and handle, even in tight spaces.
- **Easy to maintain:** The module can be repaired at a single point, minimizing downtime and maintenance costs.

Applications

- **Wide range of Indoor applications:** The P2.5 Indoor Full-Color LED Display Module is a versatile solution for a diverse array of Indoor settings, including.
- **Indoor Full-color LED display screens:** Ideal for creating captivating large-format LED displays for advertising, digital signage, and video walls.

LED Parameters

Picture	LED Type	Color	Brightness (mcd)	Wavelength (nm)	Test Condition
	SMD2121	Red	115-160	620-625	25°C, 20mA
		Green	200-250	520-525	25°C, 20mA
		Blue	50-85	470-475	25°C, 20mA

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LED Display Module Technical Specifications

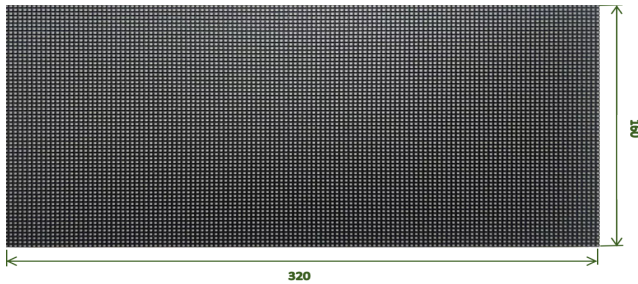
Specification	Value
1 Pixel Pitch	2.5mm
2 Pixel Density	160,000 Pixel/m ²
3 Pixel Configuration	1R1G1B 3 in 1 SMD LED
4 LED Type	SMD2121
5 Module Size (L × W× H)	320 mm × 160mm ×14mm
6 Module Pixel	128 ×64 pixels = 8192 pixels
7 Module Weight	372g
8 Brightness	≥500 cd/m ²
9 Viewing Angle	160 degree (horizontal), 120 degree(vertical)
10 Refresh Frequency	1920 Hz
11 Drive Mode (Optional)	Constant current 1/32 scan
12 Drvie IC	FM 6124
13 Port Interface Type	HUB75
14 Input Voltage	DC 5V
15 Wattage	15W
16 Maximum Power	360W/m ²
17 View Distance	3-30m
18 Mask	Pure Black mask-high contrast screen
19 Operating Temperature	-20°C to +50°C
20 Operating Humidity	15% to 85%

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Dimensions



Front



Back

Applicable Accessories

Flat Cable: 16-Conductor Flat Cable (Standard Length 20cm).



Power Cable

1-to-2 red and black power cable (standard length 25+25 cm).



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Others

- This specification is subject to final interpretation by Luckylight. Any changes will be made without prior notice.
- This specification is for reference only. The final product requirements confirmed by both parties shall prevail when ordering.
- LED display modules can be specially customized and produced according to customer requirements.

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Revision History

Version	Date	Change
v1.0.0	04-Jan-2026	-