



High Brightness and Clarity within Large Angle Range with LED Display Module P2.5

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: Googol
- Certification: CE ROHS FCC
- Model Number: P2.5



Product Specification

- Pixel Pitch: 2.5mm
- Dimensions: 320*160*16.2mm
- Weight: 0.41kg±0.01kg
- Structural Features: Soft Connections
- Interface Type: HUB75 (dual Data Sets)
- Refresh Rate: 3840HZ
- Optimal Viewing Distance: ≥7.5m
- Operating Temperature Range: -10°C~40°C

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Product Description

LED soft connection indoor module (P2.5) is a high-performance LED screen component carefully designed for indoor high-definition display applications. It is suitable for various commercial displays, conference rooms, exhibitions and high-end advertising environments. The module adopts advanced P2.5 pixel pitch technology to ensure the best effect in detail presentation and color expression, providing ultra-clear and realistic visual experience.

Main features:

1 High-resolution display: The P2.5 pixel pitch ensures 160,000 pixels per square meter, providing extremely delicate display effects, and can meet the display needs of various high-definition images, videos, texts and other contents.

2 Flexible connection design: The soft connection module design can be flexibly combined according to installation requirements, supporting the construction of screens of various sizes and shapes, and is easy to install and maintain.

3 Wide viewing angle design: The horizontal viewing angle is $160^{\circ}\pm 10^{\circ}$, and the vertical viewing angle is $140^{\circ}\pm 10^{\circ}$. It can still maintain high brightness and clarity within a large angle range, ensuring that audiences in different positions can enjoy clear and stable display effects.

4 Adaptable temperature range: The module has an adaptable temperature range of -10°C to 40°C , which can adapt to most indoor environments, ensure long-term stable operation, and is suitable for all kinds of indoor display venues.

5 High brightness and color performance: It has excellent brightness and color reproduction capabilities, and can provide clear and bright display effects under various indoor light conditions to meet high-end display needs.

6 Low power consumption design: The module adopts advanced LED driving technology and has low power consumption characteristics, which ensures high efficiency while reducing energy consumption and saving energy.

Application areas:

- Shopping malls, shopping center advertising screens
- Large conference rooms, lecture halls and exhibition displays
- High-end retail and brand promotion
- Indoor stage and event background

The LED soft connection module has become an ideal choice for modern indoor displays due to its high precision, wide viewing angle, low energy consumption and adaptability to a wide temperature range. It is widely used in commercial advertising, public displays and various corporate environments.

Parameters

Parameter			
Product Model	P2.5	Brightness	$\geq 300\text{cd}/\text{m}^2$
Pixel Pitch	2.5mm	Power Consumption	$\leq 20\text{w}$
Density (dots/m ²)	160,000	IP Rating	IP30
Led Lamp	SMD2020	Maximum Current	$\leq 4\text{A}$
Module Pixel	128*64	Power Voltage	4.2~5V
Module Size (mm)	320*160	Working Humidity	10%~65%RH (no condensation)
Refresh Rate(Hz)	3,840Hz	Install Method	Stack/Hanging/Mounted/Ground



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