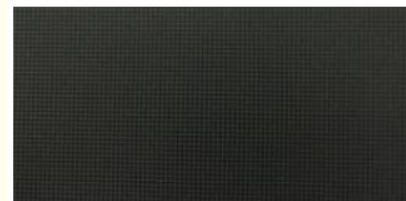


P2.0 Indoor LED Display Module for High-End Indoor Display Needs 250 000 Pixels/m2 Resolution High Brightness Refresh Rate

Our Product Introduction

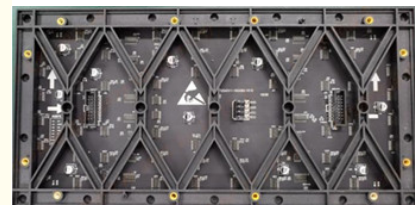
Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: Googol
- Certification: CE ROHS
- Model Number: Module P2.0



Product Specification

- Pixel Pitch: P2.0
- Pixel Configuration: 1R1G1B
- Dimensions: 320*160*14.2mm
- LED Packaging: SMD1515
- Pixel Density: 250000Dots/m²
- Resolution Per Module: 160*80=12800Dots
- Highlight: High Brightness LED Display Module, P2.0 Indoor LED Display Module, p2 led module



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Product Description

Product Overview

The P2.0 indoor LED display module is a high-precision, high-resolution display product designed for indoor scenes, suitable for conference rooms, exhibitions, commercial advertising, education and training, etc. This module has become an ideal choice for high-end indoor display needs with its excellent display effect, reliable performance and energy-saving characteristics.

Product Features

High resolution and fine image quality

Point spacing: 2.0mm

The resolution is as high as 250,000 pixels/m², presenting high-definition and fine images, supporting clear display of small characters and fine image reproduction.

High-quality display performance

High brightness: >500 cd/m², adapting to a variety of indoor light environments.

High refresh rate: ≥3840Hz, ensuring smooth and smooth images without smearing, especially suitable for live broadcast, video conferencing and other scenes.

High contrast: high-quality lamp beads and mask design improve black field performance, and the color level is more distinct.

Stability and reliability

PCB adopts multi-layer process to enhance signal transmission stability.

Support constant current drive and low power consumption technology to reduce energy consumption and extend product life.

Strict quality inspection and dustproof design to ensure long-term stable operation.

Easy installation and maintenance

Support front maintenance design, easy module disassembly, saving later maintenance costs.

Light and thin design, standardized module unit size, easy to splice and install.

Strong intelligent control and compatibility

Support a variety of video input interfaces (HDMI, DVI, VGA, etc.), compatible with mainstream control systems on the market.

Equipped with intelligent adjustment function, it can automatically adjust the brightness according to the ambient light to enhance the user experience.

Parameter			
Pixel Pitch	2.0mm	Pixel Density	250000Dots/m ²
Pixel Configuration	1R1G1B	LED Packaging	SMD1515
Dimensions	320*160*14.2mm	Weight	0.41kg±0.01kg
Structural Features	Soft Connections	Resolution Per Module	160*80=12800Dots
Input Voltage	4.2~5V	Maximum Current	≤5A
Interface Type	HUB75(dual data sets)	Refresh Rate	3840Hz
Power Consumption Per Module	≤25W	Driving Method	Constant Current
Brightness	≥500cd/m ²	Brightness Uniformity	>0.95
Horizontal Viewing Angle	160±10 degrees	Vertical Viewing Angle	140±10 degrees
Optimal Viewing Distance	≥6m	Operating Environment	Indoor
Service Life	≥10000 hours	Mean Time Between Failures (MTBF)	≥5000 hours
Decline Rate(3-year operation)	≤10%	Continuous Dead Pixel	0
Defective Pixel Rate	<30PPM 0 at shipment	Blind Spot Rate	<50PPM 0 at shipment
Operating Temperature Range	-10°C~40°C	Operating Humidity Range	10%~65%RH(no condensation)
Module Flatness	<0.4mm	LED Bead Push Force	>1.5kg

Application scenarios

Commercial field: shopping mall advertising screen, brand showroom.

Enterprise and education: video conferencing system, training room.

Cultural media: stage background screen, studio display screen.

Public places: subway station, airport information display screen.

Recommendation reasons

High-definition image quality, excellent detail performance, suitable for high-end demand scenarios.

High stability, support long-term operation, reduce operation and maintenance costs.

Flexible installation, easy to deploy quickly.

Green energy saving, in line with environmental protection requirements.

Purchase advice

Choose a reputable supplier to ensure product quality and after-sales service. At the same time, customize the control solution according to specific usage requirements to ensure the best performance of the display.

If you need more customized support or detailed technical consultation, please feel free to contact us!



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