Micro-COB-63J Series Product Specification

Micro-COB-63J Series
Full Flip Chip COB
Indoor Fine Pixel Pitch LED Display

APPROVE	CHECK	DRAW
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The Leader and Creator of Flip Chip Display Panel

Micro-COB-63J Series

Full Flip Chip COB Indoor Fine Pixel Pitch LED Display

Efficient Heat Dissipation | **Low Power Consumption** | **High Protection** | **Dual Redundancy** | **Easy Maintenance**

Product Overview

The 63J series is a self-developed ultra-high-definition product targeting the fine-pitch LED display market. It is mainly used in various control fields such as security monitoring, command dispatch, video conferencing, and broadcasting for high-quality display applications.

Product Features

- **Efficient Heat Dissipation:** High precision seamless splicing, silent and fanless design, die-cast aluminum body;
- **Low Power Consumption:** Common cathode circuit design, achieving energy-saving and low power consumption, high refresh rate, HDR high dynamic image display, 16-bit high grayscale and low brightness;
- **High Protection:** Full flip-chip COB integrated packaging, high protection, high reliability, high environmental adaptability;
- **Dual Redundancy:** Supports dual backup for power and signal;
- **Easy Maintenance:** Full front maintenance, featuring hot-swappable modules, and overall rigid connection.

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Specification

Name	Category	63J
Module Parameter	Pixel Structure	COB
	Pixel Pitch（mm）	1.56
	Module Size（mm）	150x168.75
	Module Resolution（W×H）	96*108
Cabinet Parameter	Unit Composition (W×H)	4*2
	Cabinet Size (mm)	600x337.5x28
	Cabinet Resolution (W×H)	384*216
	Dimension (m^2)	0.2025
	Pixel Density (Dots/m^2)	409600
	Material	Die-cast Aluminum
	Cabinet Weight（kg）	4.7Kg
	Cabinet Flatness	≤0.1mm
Optics Parameter	Brightness	0-1000cd/m^2 (adjustable)
	Color Temperature (K)	2000~12000 (adjustable)
	Viewing Angle (H/V)	170°/170°
	Center Distance Deviation of Luminescent Point	<3%
	Luminance Uniformity	≥98%
	Color Uniformity	Within ±0.0035 Cx, Cy
	Contrast Ratio	1000000:1
Electric Parameter	Peak Power Consumption	≤500W/m^2 (Tested at 600 nits white balance)
	Average Power Consumption	200W/m^2
	Power Supply	AC100~240V（50~60Hz）
Process performance	Driving Mode	Constant current drive
	Frame Frequency	50/60Hz
	Refresh Rate	3840Hz
	Gray Scale	14bit
Application Parameter	Operating Temperature	-20℃~+60℃
	Operating Humidity	10%~90%RH anti-fog
	Service Life	≥100,000Hrs
	Maintenance Mode	Full Front maintenance
	Protection Grade	IP54
	Certification Type	CCC、CE、FCC

Note 1: According to customer requirements, different item parameters will be slightly different, and the above parameters are just for reference;

Note 2: Due to the batch nature of product production, there may be a deviation of approximately 5%-10% in terms of brightness, power consumption, and other parameters. The specific parameters are based on actual situation.

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Product Drawing

Product Package

	Module Package↑	Cabinet Package↑
Quantity	4*4*36=576pcs	6*1*8=48pcs
Net Weight	3.9Kg/140.4Kg	23.2Kg/185.6Kg
Gross Weight	4.75kg/171Kg	27Kg/216kg
Dimension (Individual carton)	443mm×353mm×133mm	665mm×297mm×410mm
Dimension (Overall wooden crate)	1390mm×820mm×900mm	1390mm×820mm×900mm

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