



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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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.

Specification



Name	Category	63J12
Module Parameter	Pixel Structure	COB
	Pixel Pitch (mm)	1.25
	Module Size (mm)	150x168.75
	Module Resolution (W×H)	120*135
Cabinet Parameter	Unit Composition (W×H)	4*2
	Cabinet Size (mm)	600x337.5x28
	Cabinet Resolution (W×H)	480*270
	Dimension (m ²)	0.2025
	Pixel Density (Dots/m ²)	640000
	Material	Die-cast Aluminum
	Cabinet Weight (kg)	4.7Kg
Optics Parameter	Cabinet Flatness	≤0.1mm
	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
Electric Parameter	Contrast Ratio	1000000:1
	Peak Power Consumption	≤500W/m ² (Tested at 600 nits white balance)
	Average Power Consumption	200W/m ²
Process performance	Power Supply	AC100~240V (50~60Hz)
	Driving Mode	Constant current drive
	Frame Frequency	50/60Hz
	Refresh Rate	3840Hz
Application Parameter	Gray Scale	14bit
	Operating Temperature	-20°C~+60°C
	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.



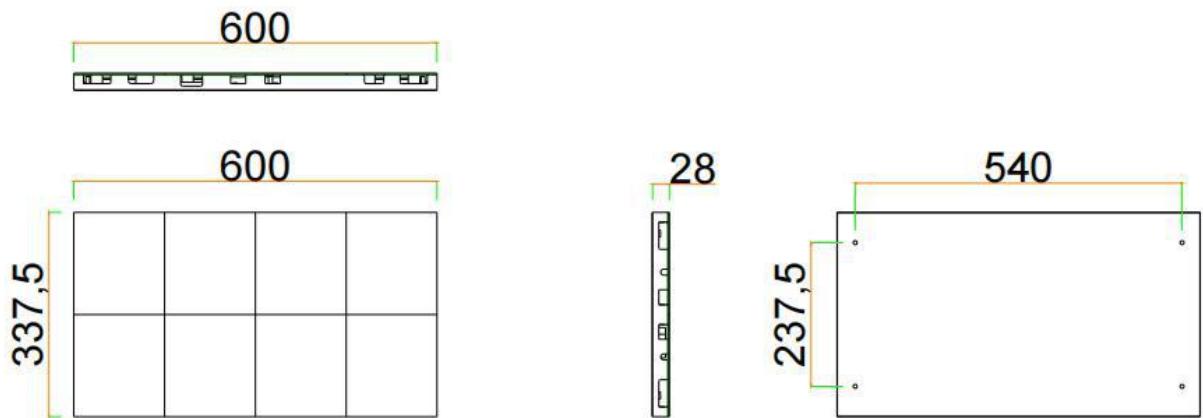
Specification

Name	Category	63J15
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
	Peak Power Consumption	≤500W/m ² (Tested at 600 nits white balance)
Electric Parameter	Average Power Consumption	200W/m ²
	Power Supply	AC100~240V (50~60Hz)
	Driving Mode	Constant current drive
Process performance	Frame Frequency	50/60Hz
	Refresh Rate	3840Hz
	Gray Scale	14bit
	Operating Temperature	-20°C~+60°C
Application Parameter	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;

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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