iX-III Series COB LED Display

JR VISUAL TEC LIMITED

www.jrvisualtec.com info@jrvisualtec.com +86 136 3251 7086 @jrvisualtec @jrvisualtec

Building 9, XinMu Innovative Industrial Park, PingHu Street, LongGang District, Shenzhen, China

JRVISUAL

JRVISUAL

iX-III Series

INDOOR COB LED DISPLAY

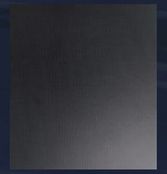
V1.0 202512

Feature Highlights

- Semiconductor Processing
- Micro LED Integrated Architecture
- Low power consumption cold screen
- Anti-glare
- "0" harmful blue light
- Ultra-high ink color consistency
- Low brightness and high gray
- Accurate color expression

Module Size

150 x 168.5mm



Cabinet Size

Specification

JRVISUAL

No.	Model	iX-III-COB-P0.625	iX-III-COB-P0.78125	iX-III-COB-P0.9375	iX-III-COB-P1.25	iX-III-COB-P1.5625
LED Type	LED Type	Flip chip	Flip chip	Flip chip	Flip chip	Flip chip
Module	Pixel Pitch (mm)	0.625	0.78125	0.9375	1.25	1.5625
	Pixel Composition	1R 1G 1B	1R 1G 1B	1R 1G 1B	1R 1G 1B	1R 1G 1B
	Module Resolution (W x H)	240 x 270	192 x 216	160 x 180	120 x 135	96 x 108
	Module Size (mm)	150 x 168.75				
Cabinet	Module Arrangement (W x H)	4 x 2				
	Cabinet Resolution (W x H)	768 x 512	768 x 512	640 x 360	480 x 270	384 x 216
	Cabinet area (m²)	0.2025 / 27"				
	Cabinet size (mm)	600x337.5				
	Cabinet Material	Die-casting Aluminum				
	Net.weight/Cabinet (kg)	4.5				
	Ingress Protection	IP31				
	Working Voltage (V)	100-240				
	Serviceability	Front				
Display	Max.Power Consumption (W/m²)	290	270	280	270	210
	Avg.Power Consumption (W/m²)	95	90	95	90	70
	Viewing Angle (H/V°)	170/170	140/140	140/140	140/140	120/120
	Brightness (cd/m²)	600	600	600	600	600
	Pixel Density (dots/m²)	1,638,400	1,638,400	1,137,778	640,000	409,600
	Scan Mode	1/64	1/36	1/54	1/60	1/48
	Contrast Ratio	12,000:1				
	Operation Temperature/Humidity	-20°C~+45°C / 10~80%RHRH				
	Lifetime (50% Brightness)	100000				
	Greyscale (bit)	≥13				
	Refresh Rate	3840				
	Frame Rate	50/60				
	Operation system	Novastar, Colorlight				
	Screen Angle	Flat, Concave, 90°				
	Installation Method	Direct wall Mounting / Mounting Frame				
	Certificate	CE / EMC / LVD / RoHS				

Remarks: The power consumption will fluctuate within ± 15%, depending on the brightness of different batches of lamps, subject to the actual situation.

Ultra-low energy consumption Ultra-high energy efficiency

3D ink printing technology

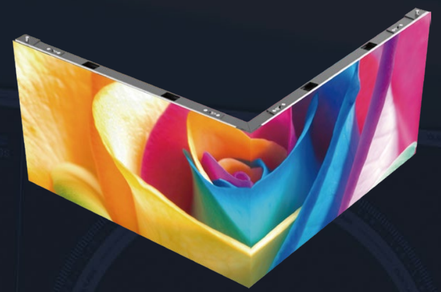
Using the latest generation of ink technology and an advanced 3D printing process, the screen's luminous efficiency is increased by 20%.
At the same brightness, power consumption can be reduced by 20%.

20%
Power consumption Reduced

25%
Temperature Lower

Flexible Installation Method

Concave



Right Angle

Nanoimprint Technology

Waterproof

Dust-proof

Moisture-proof

Anti-collision

Salt spray protection

Accurate Color Expression

Professional COB calibration technology

- Reduce the impact of speckle noise on image quality.
- Ensure image optimization and true color restoration, enriching scene space.
- A+ grade color expression, high chroma retention, more uniform color, and more perfect picture quality.

Wide color gamut

Green Health Certification

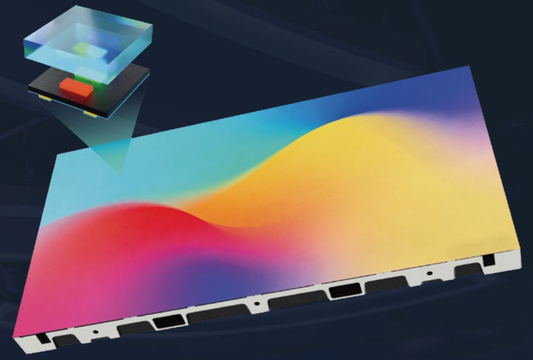
8K ULTRA HD

HDR 3.0 ADAPTIVE

Micro LED Integrated Architecture

- Micro LED flip chip
- Common cathode architecture
- Ultra-energy-efficient driver IC

Using a 90um MicroLED flip chip, the smaller MicroLED chip consumes approximately 64% of the power of MiniLED at the same resolution and brightness. In addition, the flip chip has no electrodes or wires blocking the light-emitting area, and its luminous efficiency is significantly better than that of the front-mounted chip.



Three locks design

Fast installation and better screen flatness

Project Case