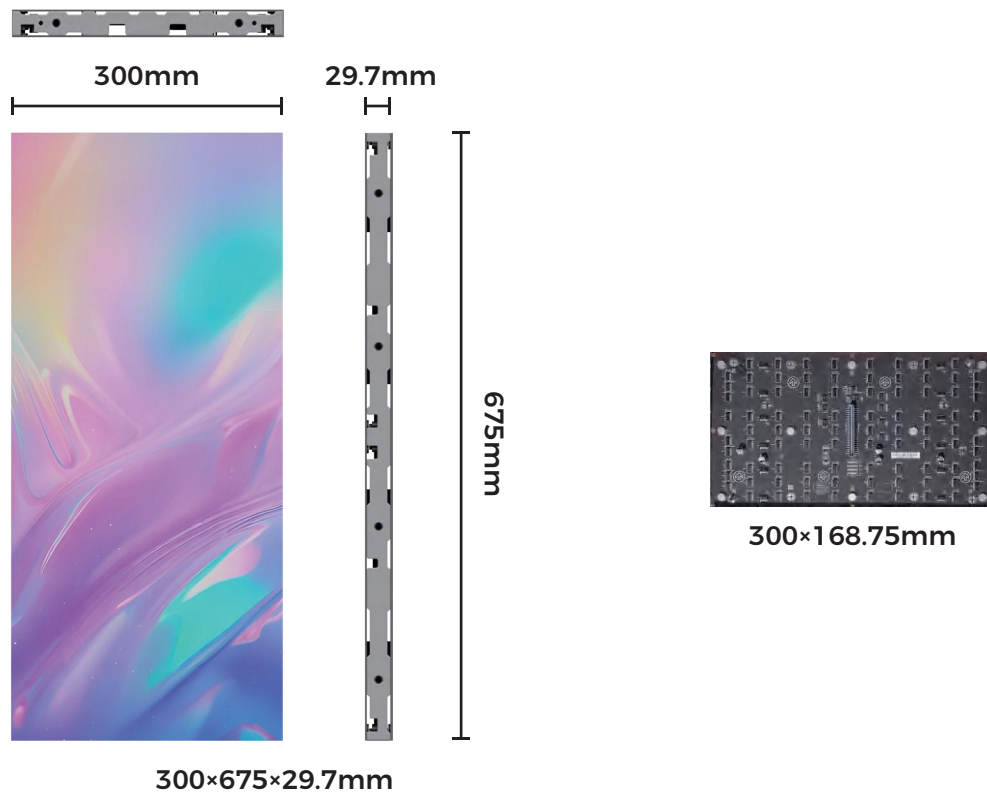# Gemini Series

FULL FLIP CHIP INDOOR FINE PITCH FIXED LED DISPLAY

- Available in 0.93, 1.25, 1.56, 1.87mm pixel pitch, Easy to upgrade the screen, only need to replace the module, the other materials are keep using.

- Flip chip Common cathode design for better energy saving, great savings on electricity costs.

- Integrated cableless design for safety and fast maintenance.

- Super slim cabinet with thickness only 29.7mm, low space requirement of installation and saving more transportation cost of container.

- High protection, moisture-proof, dustproof, antistatic and anti-collision with COB package.

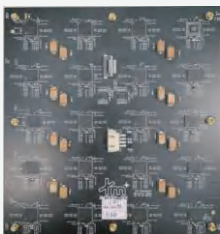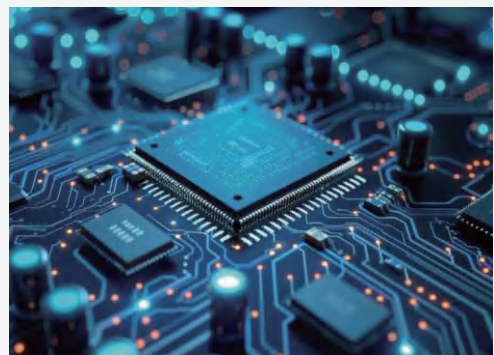- Light weight design, less than20kg/m², low stress requirement on the installation structures.

LPDISPLAY

Product Display

300mm

29.7mm

675mm

300×675×29.7mm

300×168.75mm

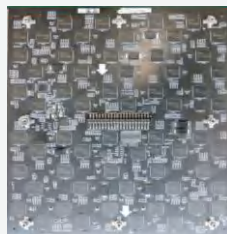
Most Advanced Drive IC For Optional

▲ Common cathode PWM constant current driver IC, energy saving.

▲ Precise current control, Perfect solution to cross-board coupling and chromatic aberration.

▲ Fine low gray calibration with 3ns pulse width.

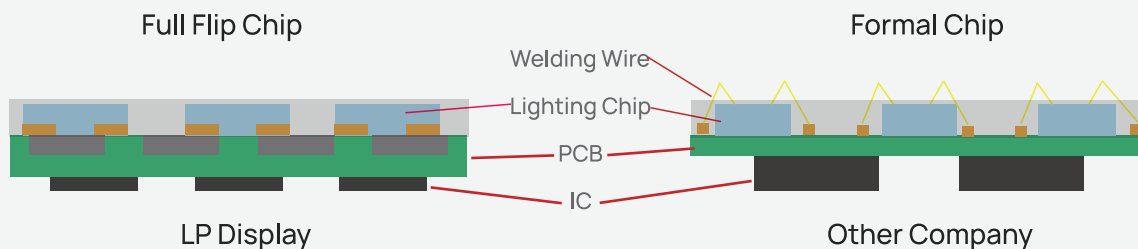▲ High gray level 16bit, work with Nova system can be 22bit+ color processing depth.

LP Display

Other Company

▲ Large channel design chips, less chips less cost.

▲ Same size, fewer chips, less heat generation.
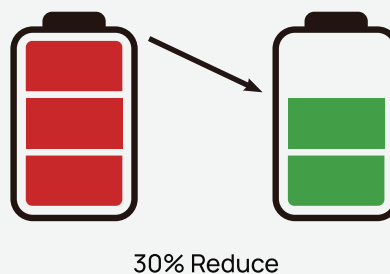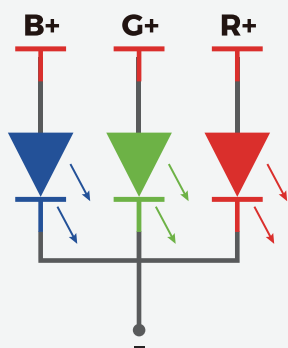
▲ Helps improve life and stability.

Full Flip Chip COB

▲ Flip chip mip technology, no welding pad block. high luminous efficiency.

▲ No welding wire, reduce the failure rate of the lamp bead.

▲ Light-emitting chip direct contact with the pcb, which improves heat dissipation.

Full Flip Chip

Formal Chip

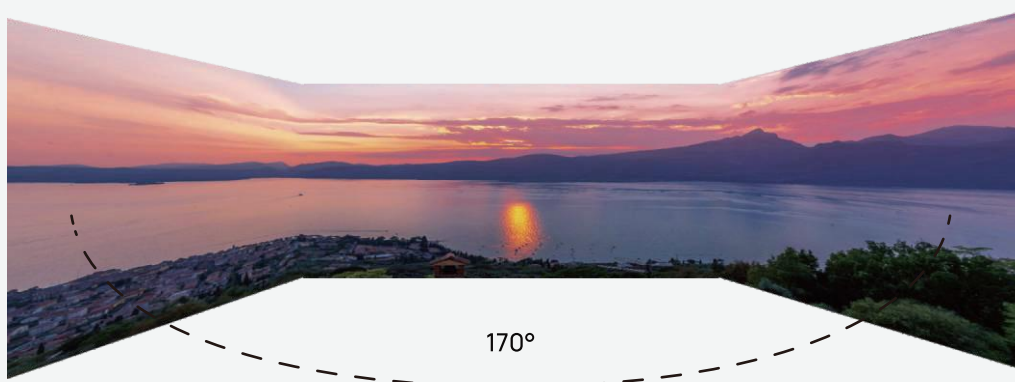Welding Wire

Lighting Chip

PCB

IC

LP Display

Other Company

Common Cathode Design

Product use common cathode design to reduces power consumption, less heat generation, lower screen temperature, improves stability and longevity.

B+   G+   R+

－

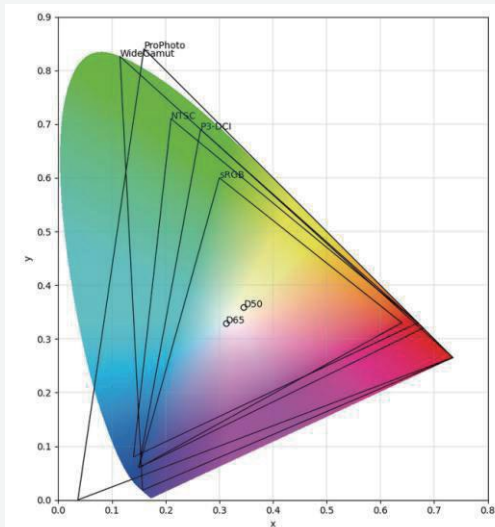30% Reduce

Wider View Angle

Flip chip COB makes wider view angle 170°/170°.

170°

Super High Contrast Ratio

15,000:1 ultra high contrast ratio at 1000nits brightness make the effect more vivid.
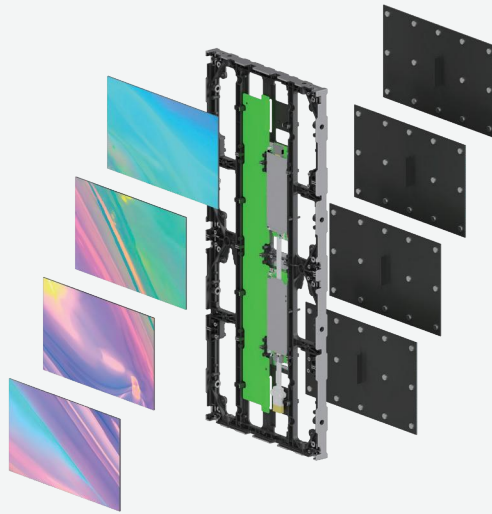

Wide Color Gamut

97% DCI-P3 color gamut options.

Multi-layer Full Gray Scale Calibration

Calilbration under various brightness conditions to ensure good consistency whether it is high or low brightness.
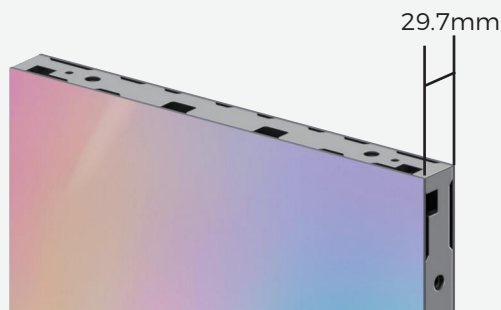
Modular design

Module, power supply, receiving card are hard link.

Ultra-thin 29.7mm

29.7mm

Installation with hanging beam

COB Package Protection

- Waterproof
- Moisture-proof
- Anti-static electricity
- Impact-resistant
- Anti-oxidation

Ultra-light 4.3KG/cabinet

Specification

Categories	Model	36B09	36B12	36B15	36B18
Physical Parameters	Pixel Pitch	0.9375mm	1.25mm	1.5625mm	1.875mm
	Pixel Configuration	COB	COB	COB	COB
	Pixel Density (dots/m²)	1,137,778	640,000	409,600	284,444
	Cabinet Size (W×H×D)	300×675×29.7mm	300×675×29.7mm	300×675×29.7mm	300×675×29.7mm
	Cabinet Resolution (W×H)	320×720	240×540	192×432	160×360
	Cabinet Material	Die-cast aluminum			
	Module Size (W×H)	300×168.75mm			
	Weight	4.3kg/cabinet; 21kg/m²			
Optical Parameters	Viewing Angle	170˚(V) | 170˚(H)			
	Surface Treatment	Black matte			
	Brightness (cd/m²)	800-1000			
	Brightness Uniformity	>98%			
	Contrast	15,000 :1			
	Refresh Rate	3840-7680hz			
	Gray Scale	14~16 bit			
	Color Calibration	Pixel to Pixel			
	Color Temperature	2000~10000K			
	Color Gamut	>97% DCI-P3			
	HDR	HLG /HDR /HDR 10+			
Electrical Parameters	Inputs	100~240 V	100~240 V	100~240 V	100~240 V
	Frame	50 /60 hz	50 /60 hz	50 /60 hz	50 /60 hz
	Power Consumption (Max.)	300-450 w/m²	300-450 w/m²	300-450 w/m²	300-450 w/m²
	Power Consumption (Avg.)	100-150 W/m²	100-150 W/m²	100-150 W/m²	100-150 W/m²
	Redundancy	Optional			
Application	Serviceability	Front	Front	Front	Front
	Operation Temperature	-10℃~40℃	-10℃~40℃	-10℃~40℃	-10℃~40℃
	Operation Humidity	10%~85%RH	10%~85%RH	10%~85%RH	10%~85%RH
	Ingress Protection	IP40			
	Exterior/Interior	Interior			
	Lifespan	100000 hrs			
Others	Packing	Cartons			

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Company Official Website