alphal
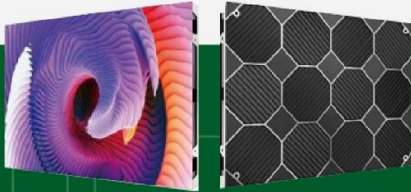
CABINET
P2.5-6448-GOB

Innovative Visual Solutions for Every Space

Innovative LED Displays for Any SpaceDiscover our premium range of LED solutions—engineered for stunning clarity, durability, and energy efficiency. From sleek indoor panels to massive outdoor installations, rental displays, transparent screens, and flexible modules, we deliver cutting-edge performance for every application.

A huge screen can break the space limits on an open public event site and enables long-distance viewing. Alphalpro for LED display solutions are capable of helping customers create unforgettable public events with large audience with the ultimate visual experience.

Stable Operation

Professional system and real-time monitoring: Equipped with professional audio and video processing system to allow the access of different video signals, LED displays can play various content like videos, pictures in real-time, which helps the audience get better visual experience in multi-dimension. At the same time, it supports quick content switch and real time monitoring of the screen.
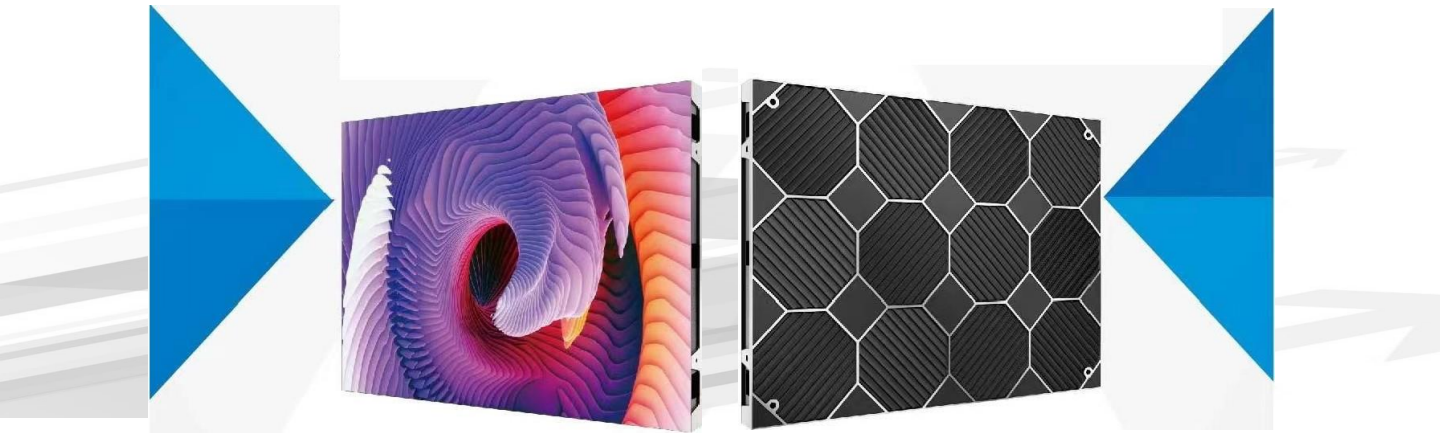

LED Display at SMJK Yuk Choy, Perak

Durable Fresh Color and High Brightness

Excellent image quality and broadcasting reliability: The leading Ultra Black technology can enhance the contrast ratio and reduce reflection. The professional high refresh rate, high gray scale even in low brightness can meet the requirements of live broadcast on different occasions, and avoid dark lines and image flickering incidents, ensuring the smooth running of the live event.
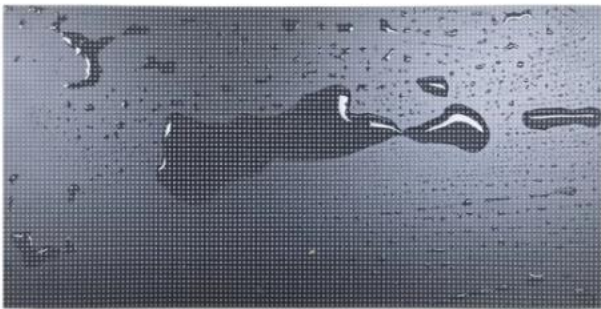

LED Display at Jakel Mall,

Kuala Lumpur

![Alphal logo]

Application Range

From Multi purpose hall, shopping malls and lobbies, display screens in public areas face relentless challenges. Dust, humidity, and careless guests can all damage the precious LEDs that compose the pixels of large LED displays. This is where Glue-on-Board (GOB) LED technology comes in, offering remarkable durability and performance.
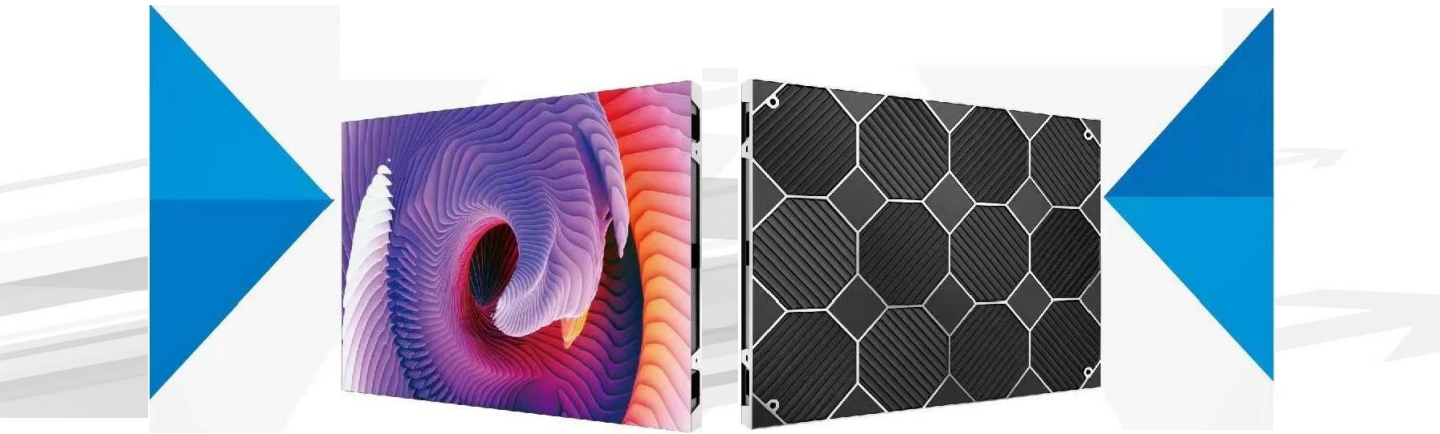
GOB technology involves applying a transparent glue layer over the LED modules, protecting them from moisture, dust, and impacts

Crafted for exceptional durability, this display features Glue-on-Board (GOB) surface treatment technology a protective process that seals the LED module surface with transparent epoxy glue, enhancing protection during installation and use.
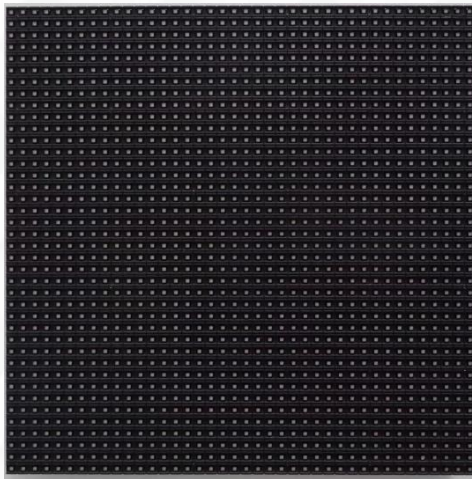
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P2.5-6448-GOB

Specification

Module		Cabinet	
Model	P2.5-6448-GOB	Panel Size(W*H)	640mm*480mm
Pixel Pitch	2.5mm	Panel Resolution	256*192dots
Pixel Density	160,000 dots/m^2	Panel Weight	8.6 Kg
Pixel Configuration	SMD2121	Power Supply	G-energy 200W
Driving IC	3840Hz	Maintenance Type	Front maintenance
Scanning Mode	26 Scan	Brightness	800-1000cd/m^2(adjustable)
Module Size (W*H)	320*160 mm	AVG. Power Consumption	≤ 180 W
Module Resolution	128*64 Pixels	MAX. Power Consumption	≤ 540W
Module Type	Glue On Board (GOB)	Refresh Rate	3840 Hz
		Frame Frequency	60 Hz
		Gray Scale	14 bit
		View Angle	H 140°,V 140°
		Optimal Viewing Distance	≥ 2 m
		MTBF	≥ 10000 Hours
		Life-span	≥ 100000 Hours
		Protective Grade	IP43
		Input Voltage	AC 100 ~240V / 50-60 Hz
		Temperature / Humidity	-20℃ ~ +50℃ / 20% ~ 90%

LED Display

Within 0.1mm flatness on surface

SMD2121 high quality leds ensure uniformity on surface

72 hours test before package

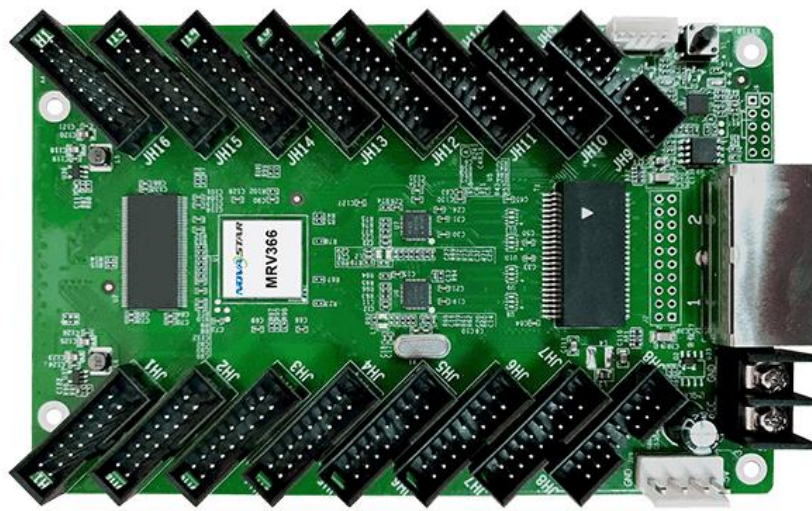

Front Maintenance Design

Indoor led display support for front maintenance solution. You can easily take out all led modules and other parts by the tool.

And we developed indoor led modules with 45° angle which can well make 90, 120, 170, 270° led display.

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MRV receiving cards

Ingenious creation, born for efficiency

- Integrated 12 standard HUB75 connector, without the HUB structure;
- Single card outputs 24-group of RGB data;
- Single card support resolution 256x226;
- Support configuration file readback;
- Support temperature monitoring.
- Support Ethernet cable communication status detection
- Support power supply voltage detection
- Support high gray scale and high refresh rate
- Support pixel by pixel brightness and chromaticity calibration,
- Brightness and chromaticity calibration coefficients for each LED
- Support pre-store picture setting
- Comply with EU RoHs standard;
- Comply with EU CE-EMC standard

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www.alphalpro.com