

# MATRIX LED

THE FUTURE OF VISUAL COMMUNICATION

## [Video Display Board]

Direct view LED video wall technology is becoming increasingly popular due to its ability to deliver seamless images and excellent optical characteristics that make video wall content look great from any angle.



High Visibility Video



16:9 aspect ratio for easy configuration



Easy viewing even in bright conditions



**Additional Functions: -**

1. Multi-Point Infrared Touch Screen
2. Stereo Sound Speaker
3. Support multi-signal source: Mail Box, Computer or Other

**More powerful performance**

 Greater Protection	 Ultra Slim	 Light Weight
 High-Luminance	 Better Heat Dissipation	 A-Grade Material

**FULL COLOUR LED VIDEO PROCESSOR**



Support multi-inputs, audio and video synchronization switching, Switching between signals with fade in effect, Dual-channel output, picture-in-picture and picture-out display.

**LED DISPLAY WALL SOLUTIONS**



Our wide range of LED display is scalable to any size or shape from high resolution flat and curved viewing indoor solution to unlimited outdoor screen size with waterproof protection.

**DURABLE YET FLEXIBLE SIZES**



Versatile pixel pitch selection from 2mm to 11mm, capable of producing different aspect ratios and a wide variety of LED billboard sizes. LED outdoor displays are built tough and can withstand punishing Malaysian heat and thunderstorms.



GOB is **Glue on board** to get high protection led display, which is a new technology, an analogy as module encapsulation. It is working on the whole display module, e.g. 320\*160mm, by using a patented transparent glue covering the surface of the module's PCB board already with thousands of SMD lamps soldered on it, finally the module getting the special shield on its surface.





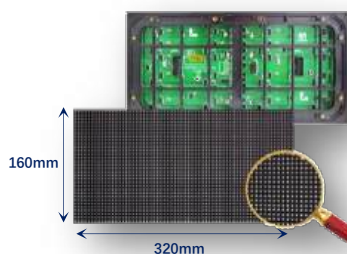
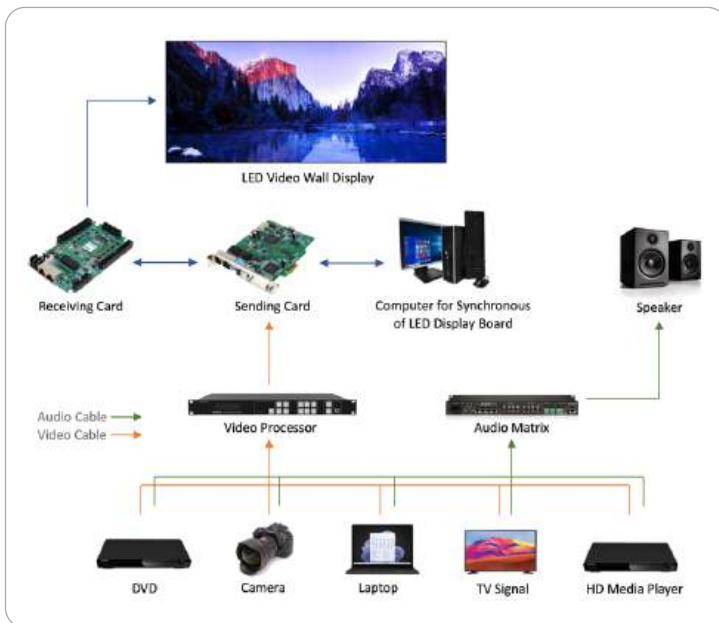
Bringing Clarity with a touch of modern elegance, redefined illumination in every space and contribute to a sustainable future.

High-Resolution LED Screen Panel  
320x160mm Panel Application:

- Halls & Auditoriums
- Airports
- Museums
- Shopping Malls
- Hotels, Hospitality & Entertainment Outlet
- Advertising Display Solution



Basic System Configuration example



“WHERE CLARITY MEETS CREATIVITY!”

The most popular size that you can find in the market. Highly cost-effective and available for multiple application environments. Flexible screen sizes and ratio, which make it easier for future upgrade and updates. Display ratios such as 4:3, 16:9, 18:9, and 21:9 can be easily assembled to meet the diverse needs of customers.

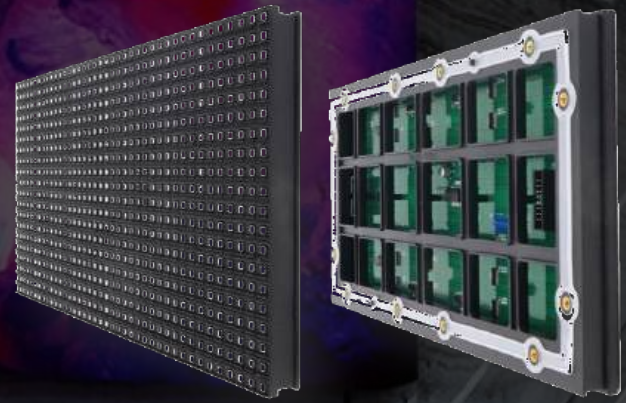
## Pixel Pitch Options: -

### OUTDOOR

- P2.0
- P3.0
- P4.0
- P5.0
- P6.0
- P8.0
- P10
- P11

### INDOOR

- P0.88
- P0.937
- P1.0
- P1.25
- P1.33
- P1.53
- P1.66
- P1.86
- P2.0
- P2.5
- P3.0
- P4.0
- P5.0
- P6.0



## MODULE SPECIFICATIONS: -

<b>Brand</b>	<b>MATRIX LED</b>
<b>Model</b>	3-in-1, SMD/GOB 1010
<b>Module Resolution</b>	160dots X 80dots
<b>Module Pixels</b>	12800 dots
<b>Module Size</b>	320mm X 160mm
<b>Brightness</b>	≥800 mcd/m <sup>2</sup>
<b>Brightness (Max./Min.)</b>	1.2:1
<b>Driving Method</b>	1/40 constant current
<b>View Angle</b>	Horizontal 140° Vertical 170°
<b>Optimal Viewing Distance</b>	2M
<b>Brightness Control</b>	Red, Green and Blue 256 Grade/Each
<b>Refresh rate</b>	3840HZ
<b>Frame Frequency</b>	60Hz
<b>Input Voltage</b>	AC220V/50Hz or AC110V/60Hz
<b>Defects Rate</b>	≤0.00001
<b>Power Consumption</b>	Max.: 800W/m <sup>2</sup> Average: 300W/m <sup>2</sup>
<b>Screen weight</b>	≤20kg/m <sup>2</sup>
<b>MTBF</b>	>10,000 hours
<b>Life span</b>	≥100,000 hours
<b>Module Display Brightness Uniformity</b>	<2%
<b>Earth Leakage Current</b>	<3mA
<b>Protective Grade</b>	IP44
<b>Temperature-operating</b>	- 25°C ~ 45°C
<b>Humidity-operating</b>	10% ~ 95%
<b>Controlling system</b>	HD Player
<b>Operating System</b>	Windows7/8/10/11

### Installation



**WALL MOUNT**  
(Indoor)



**WATERPROOF CABINET**  
(Indoor/Outdoor)



**SIMPLE CABINET**  
(Indoor)



**RENTAL CABINET**  
(Indoor/Outdoor)

#### High-Resolution LED Screen Panel 320x160mm Panel Feature:

- Fast installation and dismantling with vertical and horizontal locks for the screen.
- High contrast ratio 1:3000, refresh rate reaches to 3840Hz/s, high gray scale could provide stunning visual effect.
- Ultra thin cabinet design, lightweight, convenient to carry on the stage rental event.
- Uniformity display with precision metal structure, to achieve a high-quality seamless effect.

Front serviceable modules make it easy to keep your LED display panel looking good. This indoor LED display is available in the following pixel pitches:

P1.25, P1.53, P1.86, P2.0, P2.5, ETC