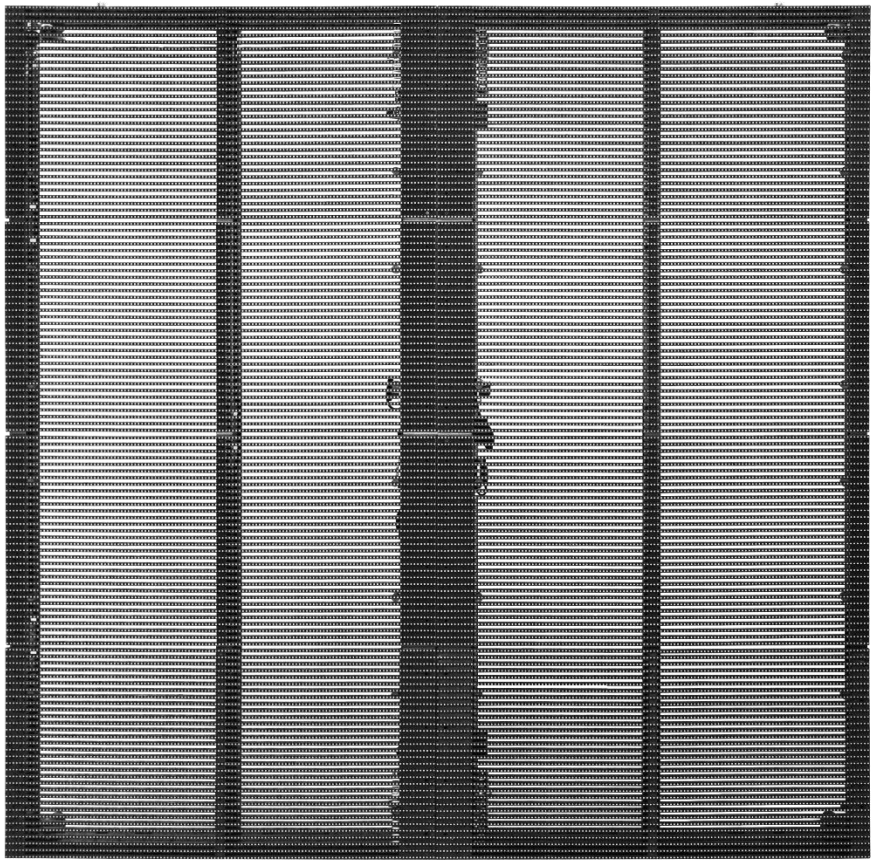
OT1 Series

Outdoor Transparent LED Displays



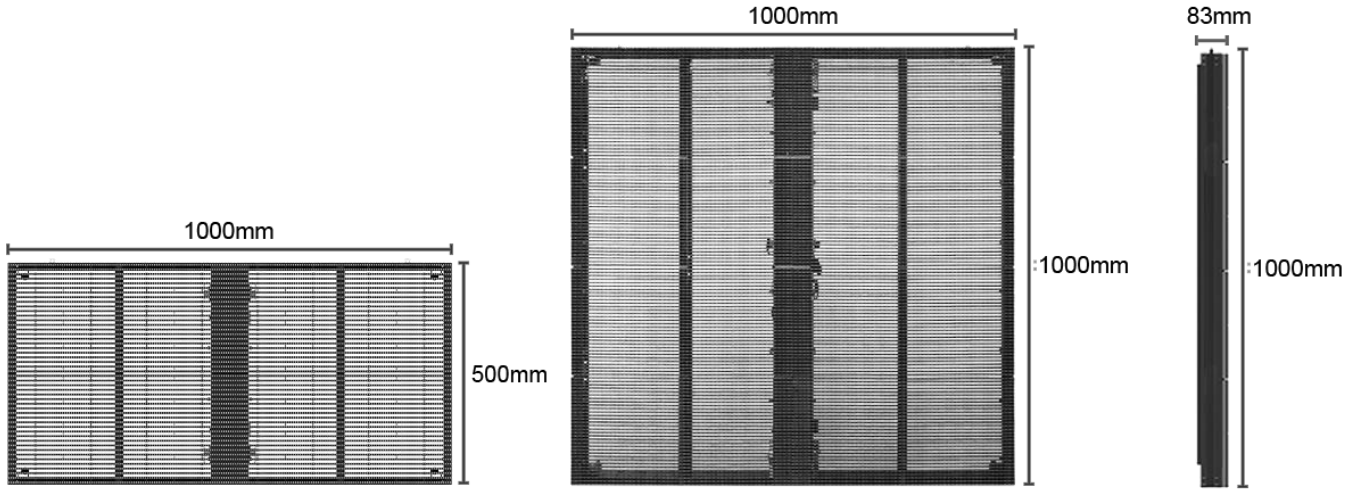
- Flexible Design
- High Transparency
- IP65
- High Brightness
- Fast and Easy Maintenance
- 3840Hz Refresh Rate
- Light Weight
- 16bits

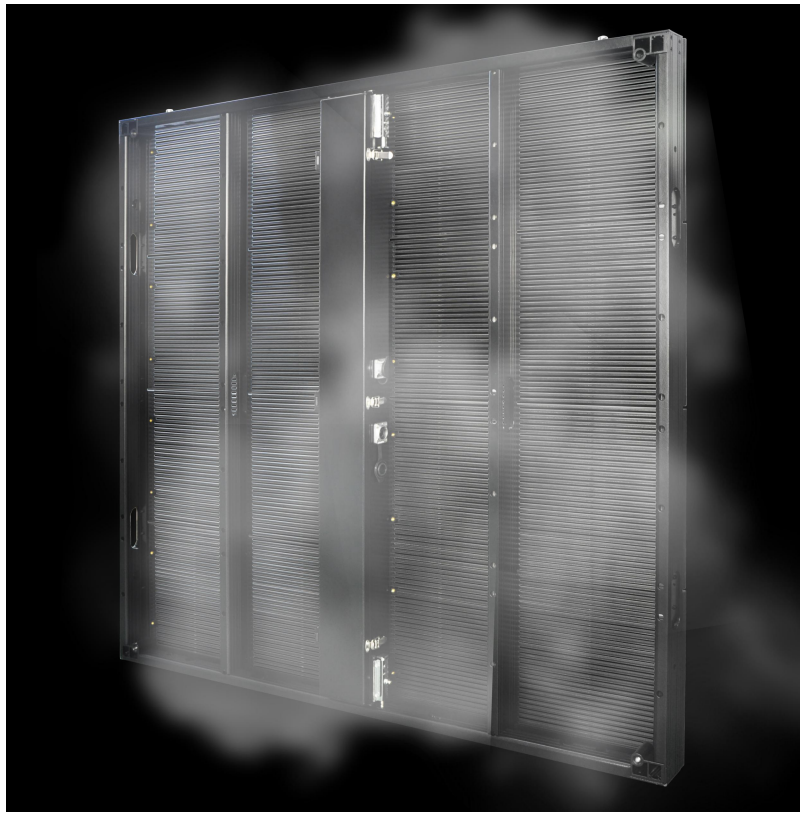
Slim and Lightweight Design

Since it is designed with aluminum material, the cabinet is relatively light and slim than the traditional one. The 1m by 1m panel size can be easily assembled and the weight of each is of 16kgs/sqm. And the thickness is 83mm.

In order to meet more needs of different areas, we also designed other two sizes for options: 1m x 0.5m, 1.5m x 1m.

The pixel pitch P3.9-P7.8, P5.2-P10.4 and P10.4 are available.



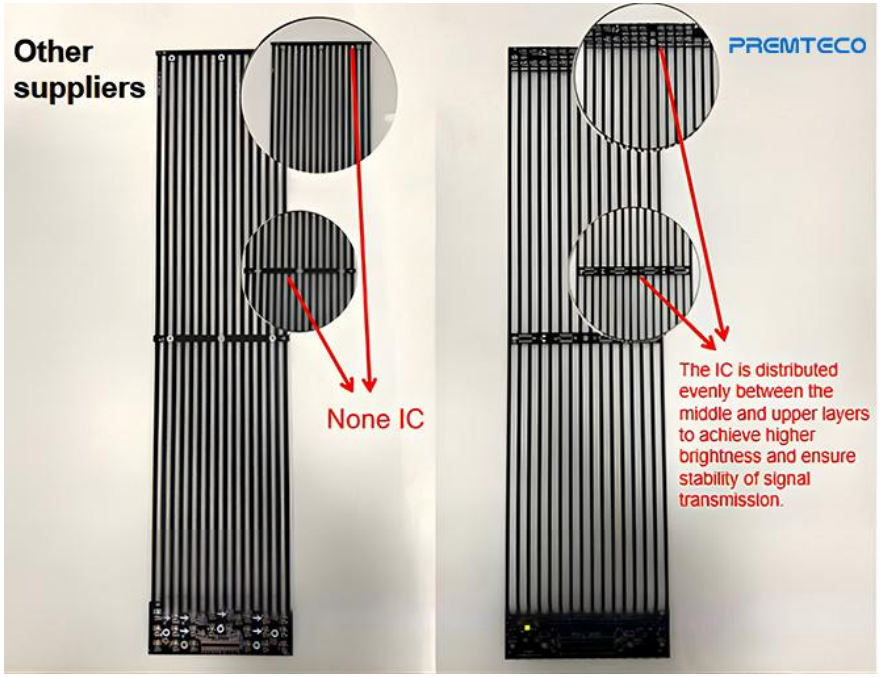


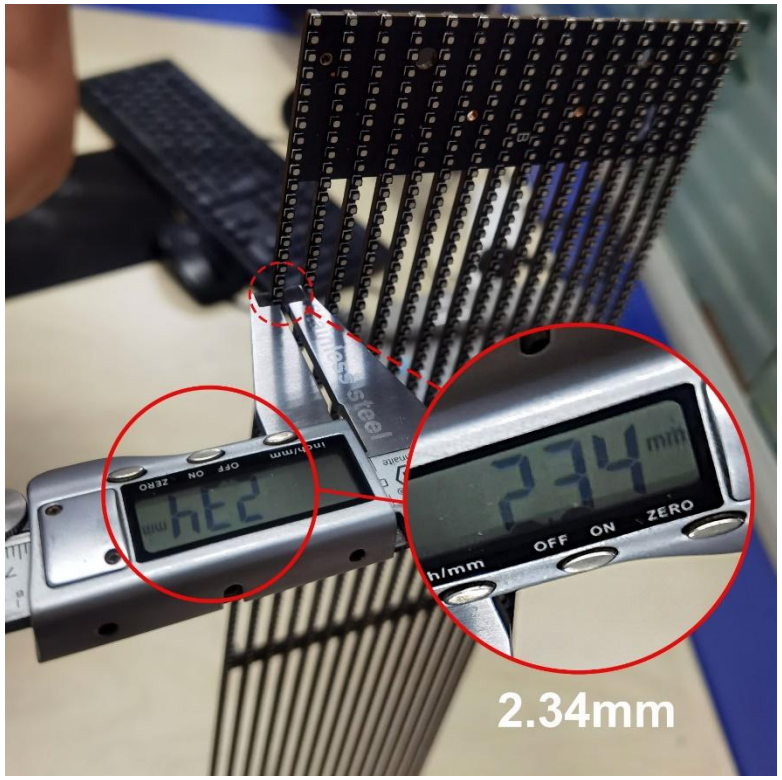
Better Heat Dissipation

1) Aluminum material.
2) The ICs on our module are distributed in the middle and both sides, so that the heat dissipation will be more uniform. However, other suppliers concentrate ICs only near the side of the power box, which will cause that the temperature around is too high and there would be risks.
3) Meanwhile, the hollowness of the transparent screen itself also accelerates heat dissipation.

Higher Brightness

With the ICs distributing in the middle and both sides of the module, the brightness will be more uniform and higher than that of the products' in the market. And the signal transmission will be stronger.





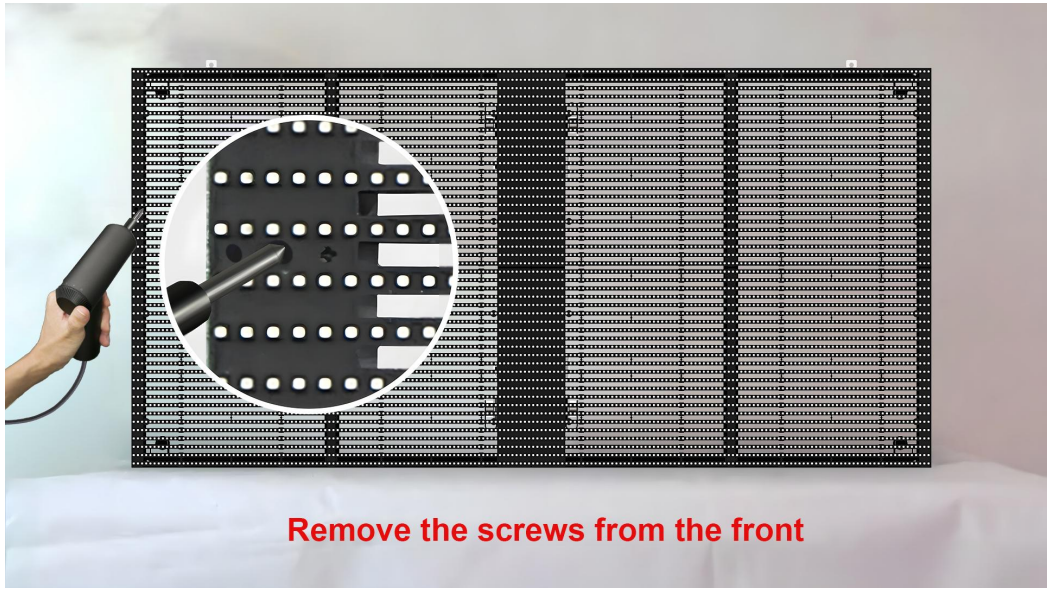
High Transparency

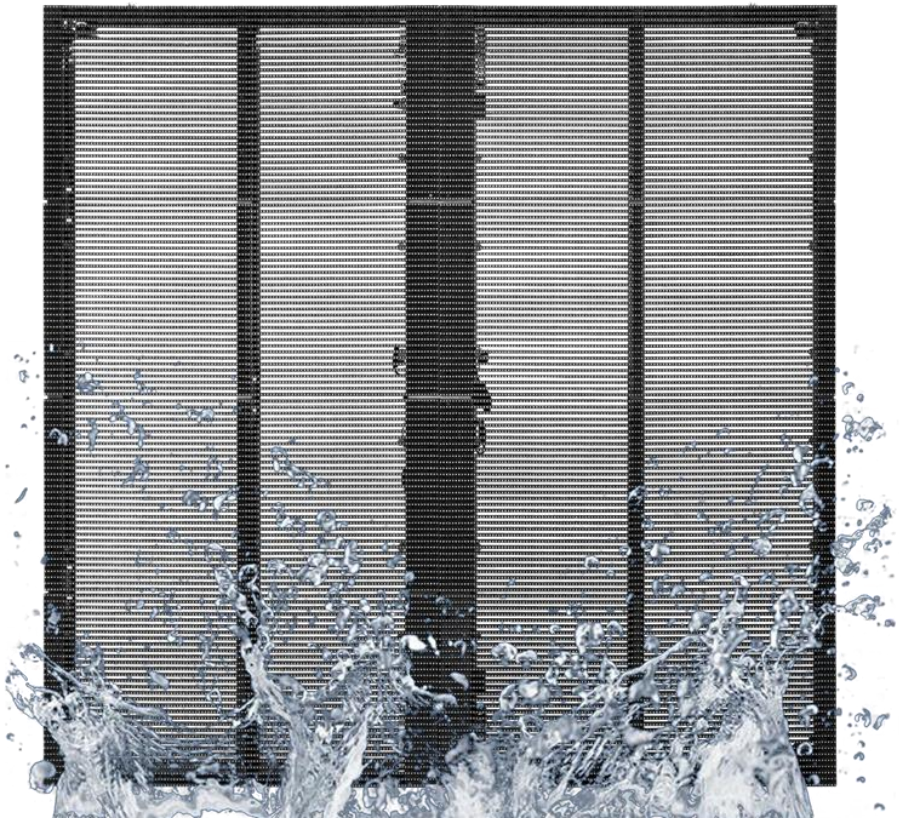
To achieve better transparency, our light bars are designed narrower, compared with others in the market. Because we have special design on PCB boards with different pixels. For pixel of P3.9, the PCB board is designed with eight layers(most suppliers just design six layers), which makes wires denser, anti-interference stronger and can achieve narrower light bars.

Front and Rear Access

Front access design which is more convenient for installation. The modules, power supply, receiving card, and other components can be disassembled from the front, which is convenient to maintain the screen.

Traditional rear access is also available. You could choose each one according to the actual situation.





Protective Method: IP65

For the waterproof, we also made many special designs to ensure that the screen can adapt to the outdoor environment:

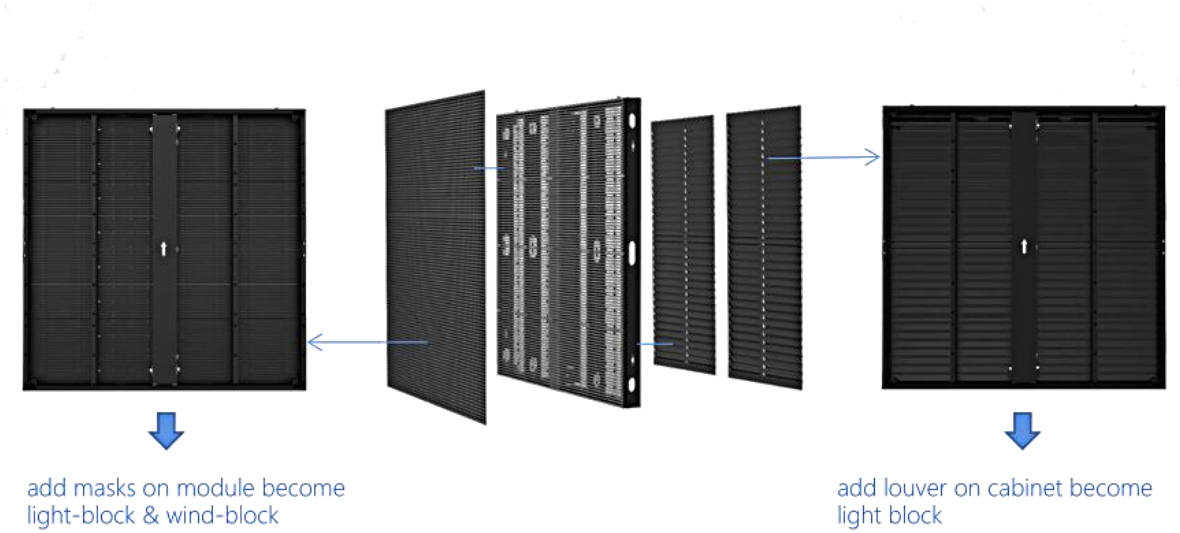
1) All exposed materials are waterproof and UV resistant.

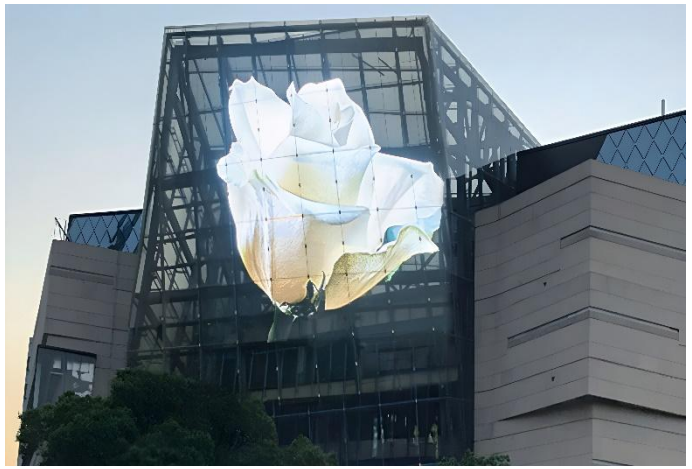
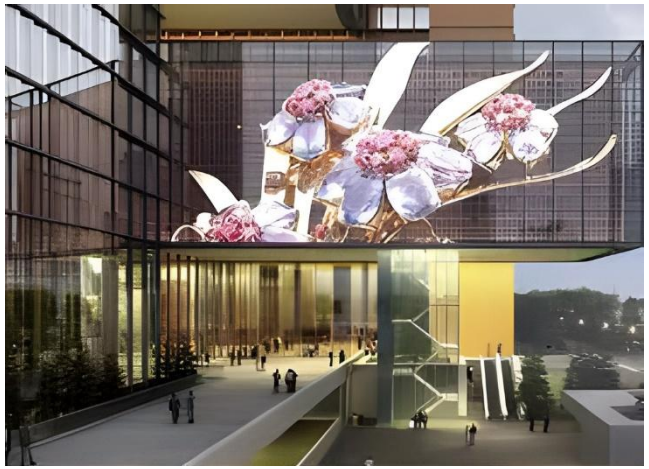
2) Our outdoor connivers are plugged in from the right and left sides of the power box. While other suppliers design the connivers from top to bottom, which is less waterproof.

3) The power box is designed with a waterproof groove.

Flexible Design

Additional options for dustproof mask and louver.
1) The mask can prevent dust and protect lights.
2) The louver can block the backlight, and keep ventilating at the same time, and it also can increase the contrast of the screen.



Application Fields

To fit every different scene, our product is made up of superior quality materials with the concise and strong structure. This product is usually used in:

- **Chain Stores;**
- **Central Business Districts;**
- **Stages.**

Item	P3.9-P7.8	P5.2-P10.4	P10.4
Pixel Pitch	3.91-7.81mm	5.2-10.4mm	10.42mm
LED Type	SMD 1921	SMD2727	SMD2727
Module Resolution	128dots × 32dots	96dots × 24dots	48dots × 84dots
Driving Mode	1/8scan	1/4scan	1/2scan
Module Pixels	4,096dots	2,304dots	7,056dots
Module Size	500mm × 250mm	500mm × 250mm	500mm × 250mm
Cabinet Size	1000mm × 1000mm x 82mm or 1000mm x 500mm x 82mm	1000mm × 1000mm x 82mm or 1000mm x 500mm x 82mm	1000mm × 1000mm x 82mm or 1000mm x 500mm x 82mm
Cabinet Resolution	256dots × 128dots	192dots × 96dots	96dots × 96dots
Pixel Density	32,768dots/㎡	18,432dots/㎡	9,216dots/㎡
Minimum Viewing Distance	≥4m	≥7 m	≥10 m
Transparency	45%	50%	50%
Brightness	5500nits~6000nits	5500nits~6000nits	5500nits~6000nits
IP Grade	IP65	IP65	IP65
Refresh Rate	≥3840Hz	≥3840Hz	≥3840Hz
Gray Scale	≥16bits	≥16bits	≥16bits
Viewing Angle	H:160° / V:160°	H:160° / V:160°	H:160° / V:160°
Maximum Power Consumption	800W/㎡	800W/㎡	800W/㎡
Average Power Consumption	260W/㎡	260W/㎡	260W/㎡
Input Voltage	AC110V ~ AC220V @ 50Hz / 60Hz	AC110V ~ AC220V @ 50Hz / 60Hz	AC110V ~ AC220V @ 50Hz / 60Hz
Operating Temperature	-20℃~60℃	-20℃~60℃	-20℃~60℃
Operating Humidity	10%~60%	10%~60%	10%~60%
Cabinet Material	Aluminum	Aluminum	Aluminum
Cabinet Weight	16kg/㎡	16kg/㎡	16kg/㎡
Operating System	Windows (Win7, Win8, etc.)	Windows (Win7, Win8, etc.)	Windows (Win7, Win8, etc.)
Signal Source Compatibility	DVI, HDMI1.3, DP1.2, SDI, HDMI2.0, etc.	DVI, HDMI1.3, DP1.2, SDI, HDMI2.0, etc.	DVI, HDMI1.3, DP1.2, SDI, HDMI2.0, etc.