

OSP Series

Outdoor Small Pitch LED Display--P1.25, P1.6,P1.9 & P2.5



Wide color gamut



3840Hz refresh rate



Flip chip



Customized cabinet size



High brightness



Excellent visual effect



High digital



Front and rear maintenance

- **3840Hz Refresh Rate**

The refresh rate of a LED display is the number of times per second that the image refreshes on the screen. The higher refresh rate, the more smoothly motion appears on your screen. Our OSP series is configured with 3840Hz refresh rate, thus it won't appear flicking on the highspeed camera.



1920Hz

3840Hz

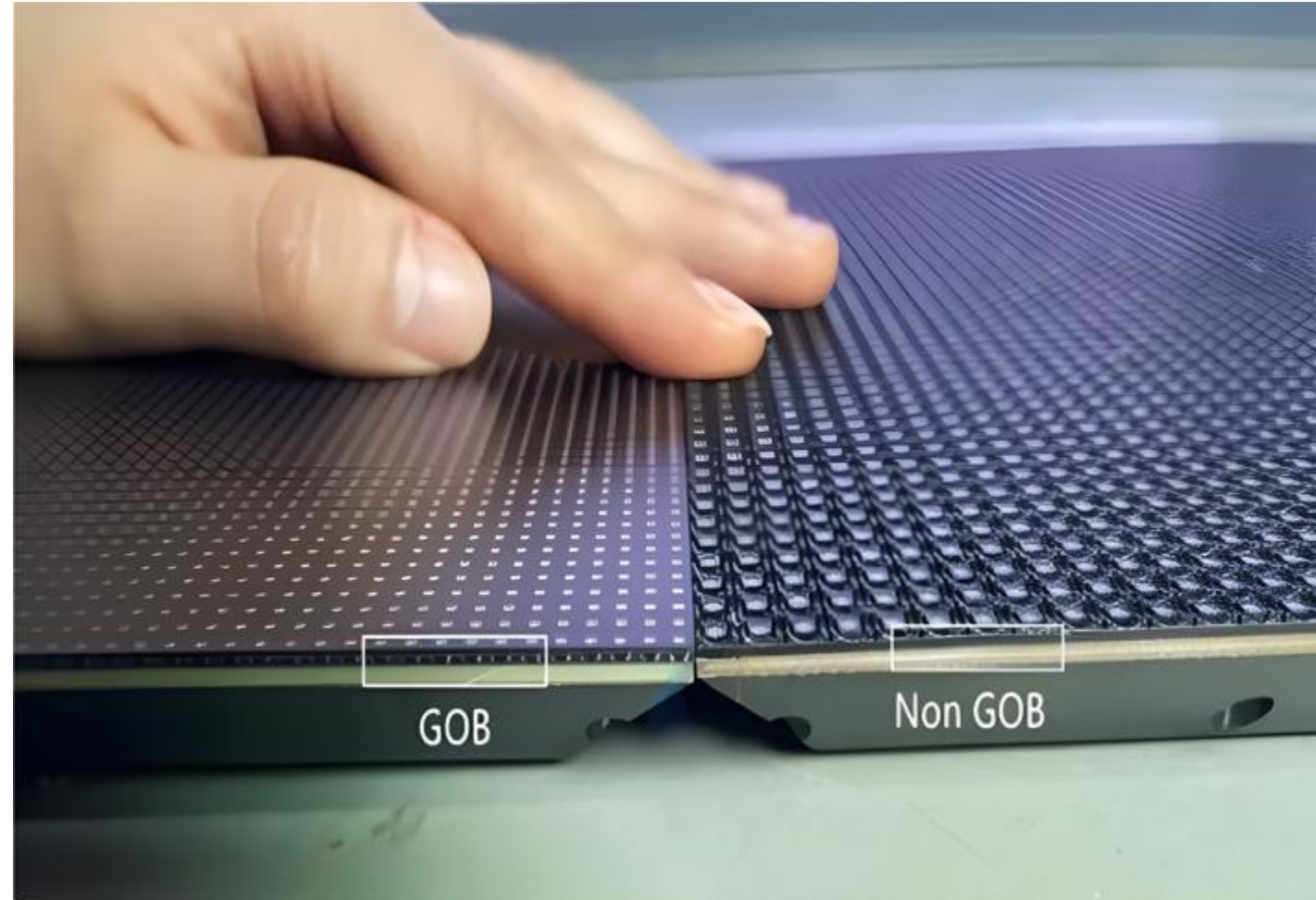


- **Flip Chip Technology**

We apply advanced the filp chip technology. Compared with wire bonding technology, it has better electrical performance and smoother assembly process. In addition, high packaging density, good thermal performance, and good reliability are also the advantages of flip chip technology.

- **GOB technology**

GOB means glue on board. There will be a clear glue on the top the module. The application of GOB can improve the protection performance of LED display, such as anti-collision, water-proof, dust-proof, etc. This technology also allows ultra high transparency performance along with ultra high thermal conductivity.





- **Customized cabinet size**

Every LED display project presents its own unique requirements. Factors such as the size of the area of installation, the nature of the event, and the target audience of the display often vary and require distinct solutions. To meet the actual needs of different customers, the cabinet size of our OSP series can be customized.

- **Excellent visual effect**

The brightness of our OSP series can reach up to 4,000nits. So people can see what is displaying on the screen clearly, even if they are facing direct and strong sunlight. The contrast ratio of OSP series is 4,000: 1. Moreover, our OSP series can restore more colors to the picture and present them purely and vividly. All these thanks to flip chip technology.





- **Front and rear maintenance**

Our OSP series supports front or rear maintenance. Front clamshell design cabinet or back door design cabinet are for your option. You can choose the best and suitable way of maintenance according to the actual needs.

Applications

To fit every different scene, our products utilize superior materials with a concise and strong structure, and various installation methods make it flexible and easy to apply.

This product is usually used in:

- **Truck Trailers;**
- **Billboards;**
- **Digital Out Of Home(DOOH)**



Item	P1.25	P1.6	P1.9	P2.5
Pixel Pitch	1.25mm	1.6mm	1.904mm	2.5mm
LED Type	FC LED1010	FC LED1010	FC LED1010	FC LED1010
Module Resolution	128dots×128dots	100dots × 100dots	84dots × 84dots	64dots × 64dots
Driving Mode	1/32scan	1/25scan	1/21scan	1/16scan
Module Pixels	16,384dots	10,000dots	7,056dots	4,096dots
Module Size	160mm × 160mm	160mm × 160mm	160mm × 160mm	160mm × 160mm
Cabinet Size	Customized	Customized	Customized	Customized
Cabinet Resolution	Customized	Customized	Customized	Customized
Pixel Density	640,000pixels/m²	390,625dots/m²	275,845dots/m²	160000dots/m²
Minimum Viewing Distance	≥1.2m	≥1.6m	≥1.9 m	≥2.5 m
Brightness	>4000nits	>4,000nits	>4,000nits	>4,000nits
IP Grade	IP 65,	IP 65,	IP 65,	IP 65,
Refresh Rate	3840HZ	3840Hz	3840Hz	3840Hz
Gray Scale	14 bit	14bits	14bits	14bits
Viewing Angle	H:160° / V:160°	H:160° / V:160°	H:160° / V:160°	H:160° / V:160°
Maximum Power Consumption	720W/m²	720W/m²	720W/m²	720W/m²
Average Power Consumption	216W/m²	216W/m²	216W/m²	216W/m²
Input Voltage	AC110V ~ AC220V @ 50Hz / 60Hz	AC110V ~ AC220V @ 50Hz / 60Hz	AC110V ~ AC220V @ 50Hz / 60Hz	AC110V ~ AC220V @ 50Hz / 60Hz
Operating Temperature	-20 ~ 50 °C	-20 ~ 50 °C	-20 ~ 50 °C	-20 ~ 50 °C
Operating Humidity	10% ~ 90%	10% ~ 90%	10% ~ 90%	10% ~ 90%
Cabinet Material	Aluminum	Aluminum	Aluminum	Aluminum
Cabinet Weight	35kg/m²	35kg/m²	35kg/m²	35kg/m²
Operating System	Windows (Win7, Win8, etc.)	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.	DVI, HDMI1.3, DP1.2, SDI, HDMI2.0, etc.