

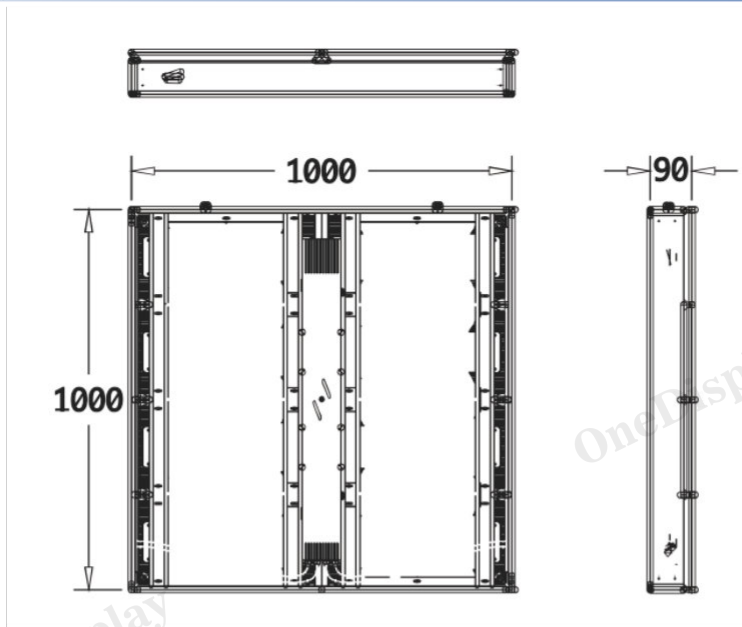


O-SMART / SERIES

Outdoor Fixed Installation

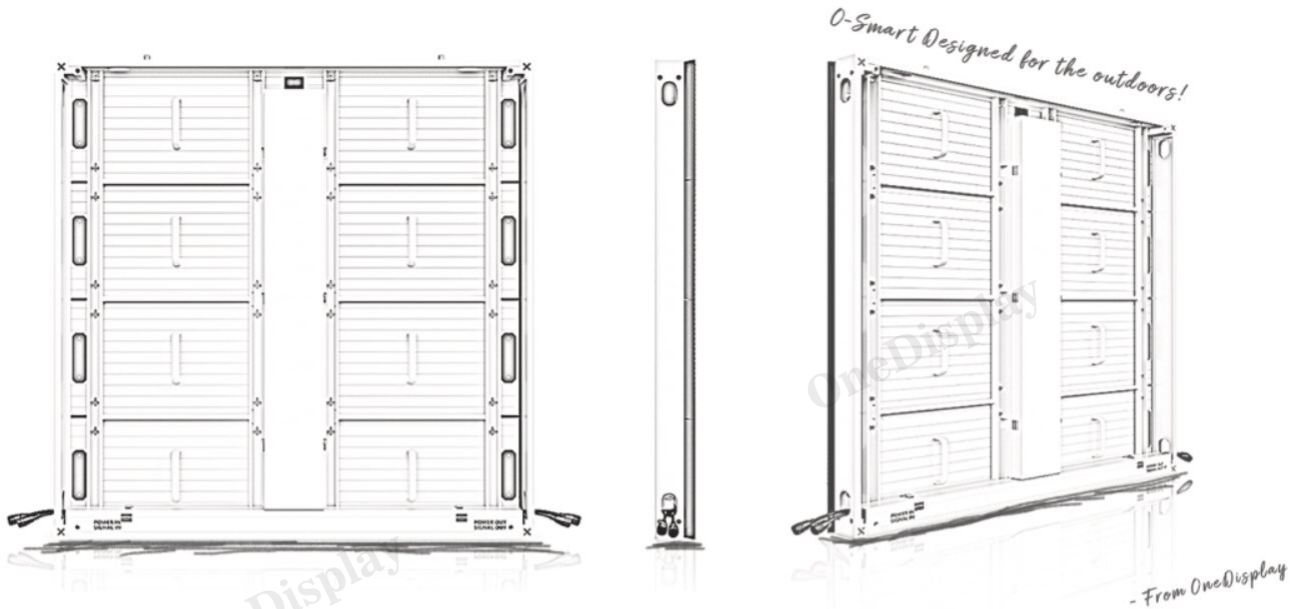
Led Screen

OneDisplay



SPECIFICATION

Pixel Pitch	3.91mm	4.81mm	6.25mm	7.8mm	10.4mm
Encapsulation brand	NationStar	NationStar	NationStar	NationStar	NationStar
LED lamp bead model	SMD1921	SMD1921	SMD2727	SMD2727	SMD2727
Pixel composition	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B
Module Size(W*H)	500x250mm	500x250mm	500x250mm	500x250mm	500x250mm
Module Resolution(W*H)	128x64	104x52	80x40	64x32	48x24
Cabinet Size(W*H)	1000x1000mm				
Cabinet Resolution(W*H)	256x256	208x208	160x160	128x128	96x96
Density of Pixel (dots/m ²)	65536	43264	25600	16384	9216
Best viewing distance	≥4 m	≥5m	≥6.5 m	≥8 m	≥11 m
Panel Weight (kg/m ²)	29kg	29kg	29kg	29kg	29kg
Scan Method	1/8 Scan	1/7 Scan	1/5 Scan	1/4 Scan	1/2 Scan
Refresh rate	1920 - 3,840Hz				
Panel Material	Aluminum				
Module/Panel Fixed Way	Front & Rear				
Viewing angle	140°/140°				
Brightness	6000 - 10000nits				
Gray Scale	14bits~22bits				
IP Grade	IP67				
Signal Input	DVI,HDMI1.3,DPI.2,SDI,HDMI2.0,etc.				
Input Voltage	AC100V - AC240V @ 50Hz/60Hz				
Maximum power (W/m ²)	800	800	720	650	650
Average power (W/m ²)	265	265	240	220	220
Operating environment	-20℃~50℃ 10%~90%RH				
Working time	≥7×24hrs ≥100000Hours				



Slim and Lightweight Design

O-Smart series, lighter than conventional cabinets in the market, with aluminum alloy frame, great precision and concise modeling, only 29 kg/m², thickness for 90mm, making the transport easily. Besides, years of industrial accumulated mature experience guarantee the structure designs High stability, High durability and High installation safety.



Multiple size and pitch options

Even big screens with different dimensions can be easily assembled by the panel size of 1000 x 1000 mm. And we can also make the panel size for 1000 x 500 mm to fit some special screen area. The pixel pitch for P3.9, P4.8, P6.2, P7.8 and P10.4 are available.



Strong Heat Dissipation

Aluminum material is more durable and stable than traditional steel one, the module uses aluminum alloy back shell and the power supply uses aluminum power box to quicken the heat dissipation, and to make the electronic components can be cooled down fast, which give the screen a longer life span.



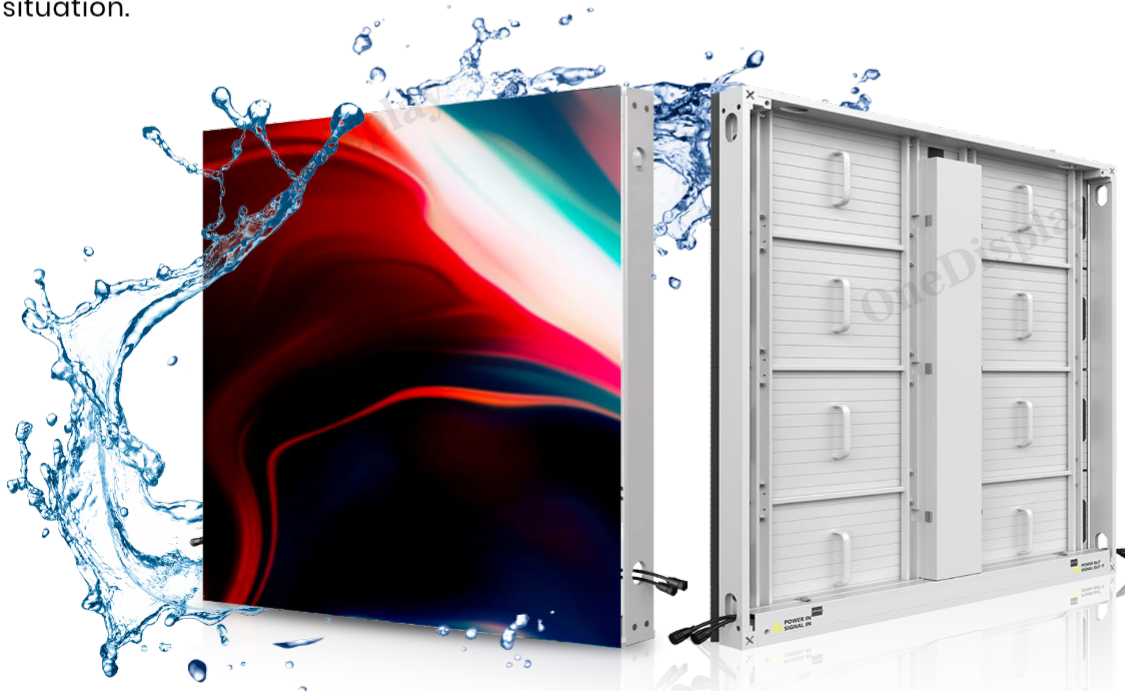
Cable free with dual sockets

Dual power/signal ports, with hidden design, a module designed with 45° angle, supporting left/right modules interchangeable connection. Moreover, we use signal pin dual sockets which is easy to replace modules. So there is no need to confuse about the direction.



Fast Front/Rear maintenance

For front maintenance, the modules, power supply, receiving card and other components can be disassembled from the front, which is convenient to maintain the screen and at the same time, traditional rear maintenance is also supported. You can choose the maintenance way according to the situation.



Extremely Protective Method: Ip67

To make the function of the LED screen safely and stably in outdoor scenes, we adopt advanced protective methods to withstand heavy rains and strong winds, which can let electronic parts avoid being affected by dampness and dust.



⚡ Application:

O-Smart series is not restricted by the installation environment, it can meet most outdoor fixed installation scenarios in the market due to the simple cabinet splicing. For instance, covering but not limited to conventional stacking projects, base installation projects, single/double column type for broadcast projects, and outdoor wall-mounted large billboard projects etc.

LED Screen Manufacturer in China



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