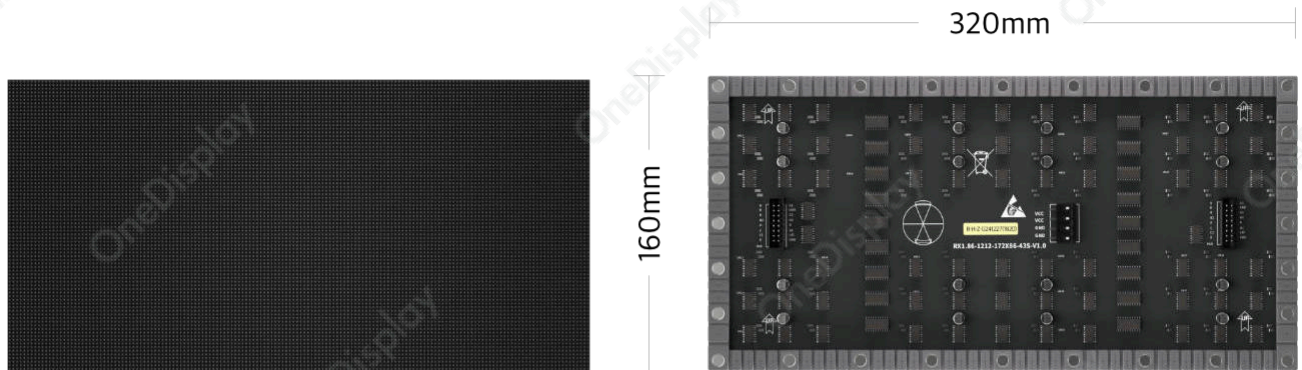


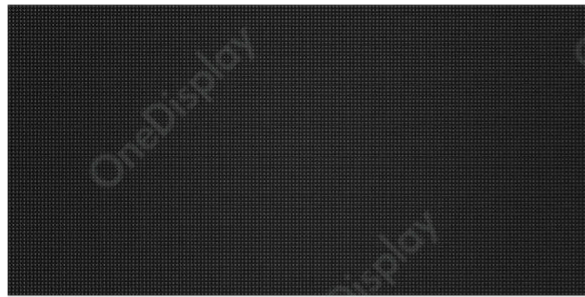
O-FLEX / SERIES

Concave & Convex Curves Flexible

Led Screen

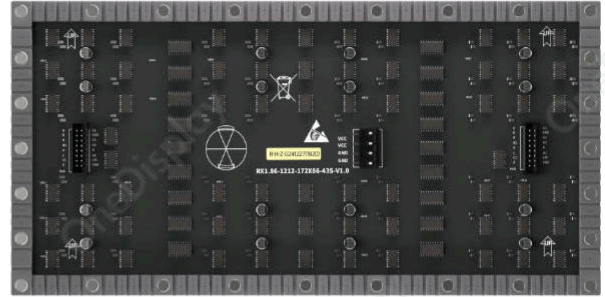


SPECIFICATION - Basic				
Pixel Pitch	1.25mm Basic	1.56mm Basic	1.86mm Basic	2mm Basic
LED lamp bead model	SMD1010	SMD1212	SMD1515	SMD1515
Pixel composition	1R1G1B	1R1G1B	1R1G1B	1R1G1B
Module Size(W*H)	320x160mm	320x160mm	320x160mm	320x160mm
Module Resolution(W*H)	256x128	204x102	172x86	160x80
Density of Pixel (dots/m ²)	640000	406406	288906	250000
Brightness(cd/m ²)	600-800			
Scan Method	1/64 Scan	1/51 Scan	1/43 Scan	1/40 Scan
Refresh rate	≥3000-3840			
Viewing angle	160°/160°			
Gray Scale	12-16bits			
Module/Panel Fixed Way	Front			
IP Grade	IP45			
Signal Input	DVI, HDMI, etc.			
Input Voltage	AC100V - AC240V @ 50Hz/60Hz			
Maximum power (W/m ²)	490	490	440	440
Average power (W/m ²)	165	165	150	150
Operating environment	-20°C~50°C 10%~90%RH			
Working time	≥7×24hrs ≥100000Hours			

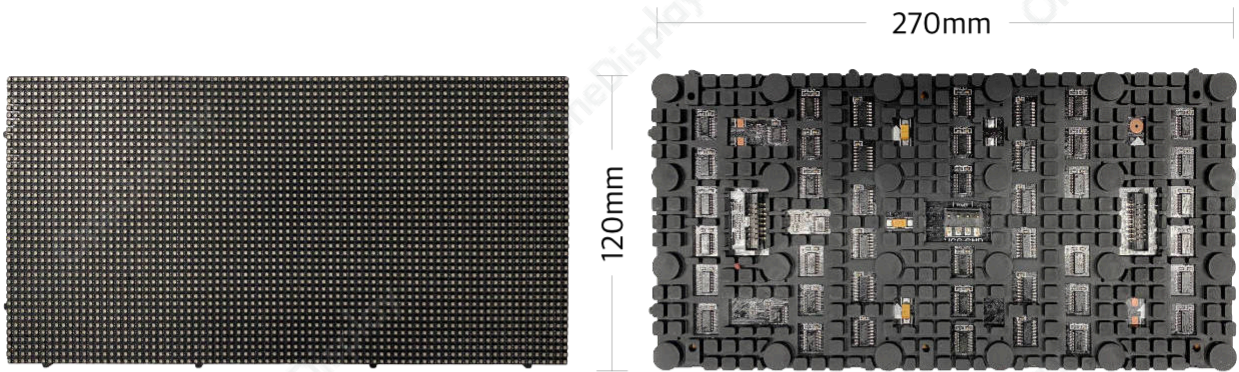


160mm

320mm

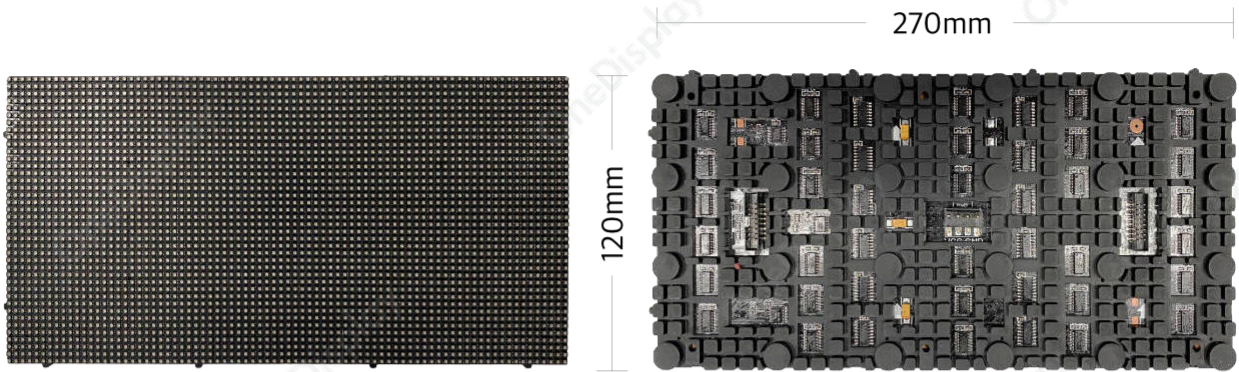


SPECIFICATION - Basic			
Pixel Pitch	2.5mm Basic	3.076mm Basic	4mm Basic
LED lamp bead model	SMD1515	SMD1515	SMD2121
Pixel composition	1R1G1B	1R1G1B	1R1G1B
Module Size(W*H)	320x160mm	320x160mm	320x160mm
Module Resolution(W*H)	128x64	104x52	80x40
Density of Pixel (dots/m ²)	160000	105625	62500
Brightness(cd/m ²)	600-800		
Scan Method	1/32 Scan	1/26 Scan	1/20 Scan
Refresh rate	1920 - 3,840Hz		
Viewing angle	160°/160°		
Gray Scale	12-16bits		
Module/Panel Fixed Way	Front		
IP Grade	IP45		
Signal Input	DVI, HDMI, etc.		
Input Voltage	AC100V - AC240V @ 50Hz/60Hz		
Maximum power (W/m ²)	440	440	440
Average power (W/m ²)	150	150	150
Operating environment	-20°C~50°C 10%~90%RH		
Working time	≥7×24hrs ≥100000Hours		



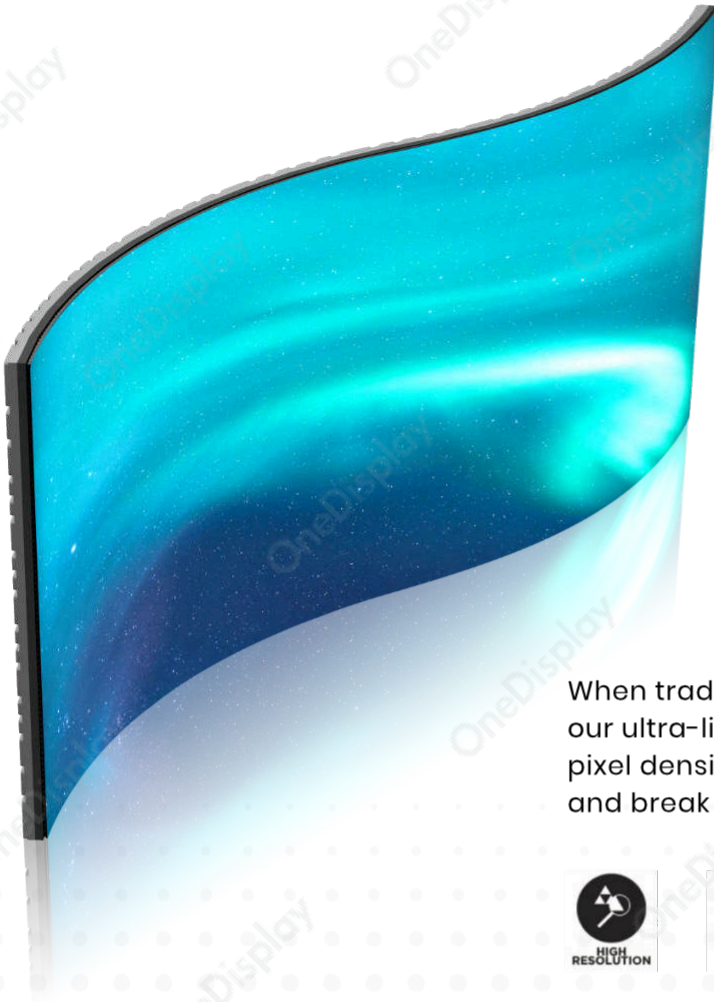
SPECIFICATION - Pro

Pixel Pitch	1.25mm Pro	1.25mm Pro	1.5625mm Pro	1.667mm Pro
Encapsulation brand	NationStar	NationStar	NationStar	NationStar
LED lamp bead model	SMD1010	SMD1010	SMD1010	SMD1010
Pixel composition	1R1G1B	1R1G1B	1R1G1B	1R1G1B
Module Size(W*H)	300x168.75mm	240x160mm	300x168.75mm	240x160mm
Module Resolution(W*H)	240x135	192x96	192x108	144x96
Density of Pixel (dots/m ²)	640000	640000	409600	360000
Brightness(cd/m ²)	1000	600	1000/600	600
Scan Method	1/27 Scan	1/48 Scan	1/27 Scan	1/32 Scan
Refresh rate	1920 - 3,840Hz			
Viewing angle	160°/160°			
Gray Scale	14bits~22bits			
Module/Panel Fixed Way	Front			
IP Grade	IP43			
Signal Input	DVI, HDMI, etc.			
Input Voltage	AC100V - AC240V @ 50Hz/60Hz			
Maximum power (W/m ²)	400	500	400/500	400
Average power (W/m ²)	160	200	160/200	160
Operating environment	-20°C~50°C 10%~90%RH			
Working time	≥7×24hrs ≥100000Hours			



SPECIFICATION - Pro

Pixel Pitch	1.875mm Pro	2.5mm Pro	3mm Pro	4mm Pro
Encapsulation brand	NationStar	NationStar	NationStar	NationStar
LED lamp bead model	SMDI010	SMDI515	SMD2020	SMD2020
Pixel composition	1R1G1B	1R1G1B	1R1G1B	1R1G1B
Module Size(W*H)	270x120mm	240x160mm	240x120mm	240x120mm
Module Resolution(W*H)	144x64	96x64	80x40	60x30
Density of Pixel (dots/m ²)	284089	160000	111111	62500
Brightness(cd/m ²)	600	1000	1000	800
Scan Method	1/32 Scan	1/32 Scan	1/20 Scan	1/15 Scan
Refresh rate	1920 - 3,840Hz			
Viewing angle	160°/160°			
Gray Scale	14bits			
Module/Panel Fixed Way	Front			
IP Grade	IP43			
Signal Input	DVI, HDMI, etc.			
Input Voltage	AC100V - AC240V @ 50Hz/60Hz			
Maximum power (W/m ²)	550	440	390	350
Average power (W/m ²)	220	170	150	140
Operating environment	-20°C ~ 50°C 10% ~ 90%RH			
Working time	≥7×24hrs ≥100000Hours			



When traditional rigid or flexible LED panels fall short, our ultra-lightweight construction and industry-leading pixel density deliver unmatched display possibilities and break free the limitations of single-sided viewing.



HIGH RESOLUTION



THIN DESIGN



CURVE



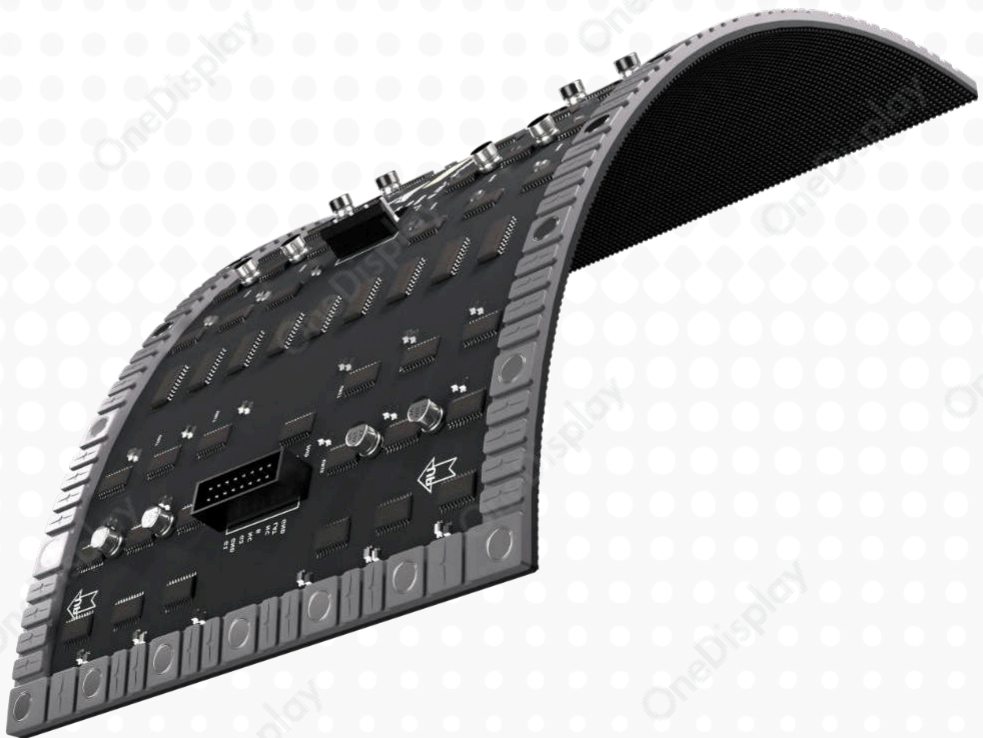
FIXED INSTALL



INDOOR

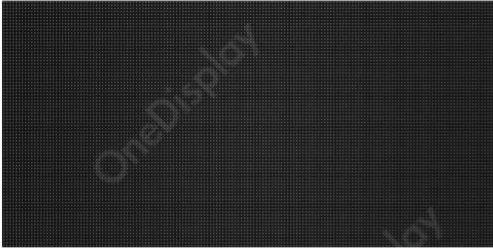


NOVA CONTROLLER

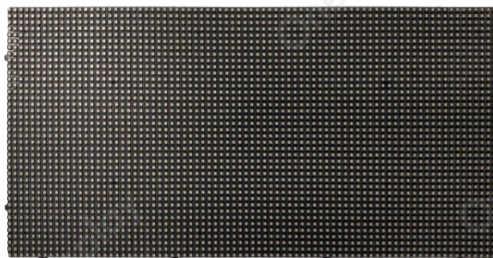
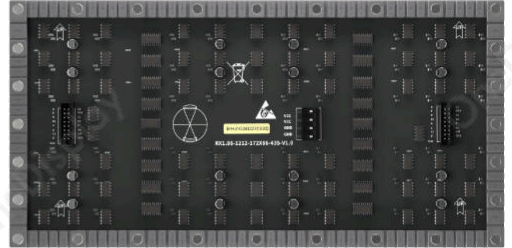


O-FLEX Adaptive LED Panels

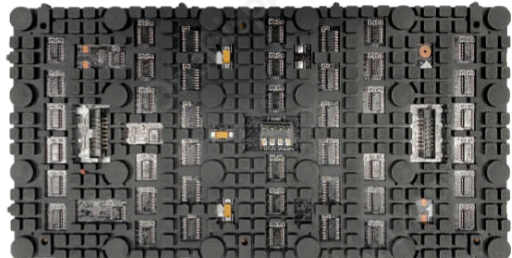
O-FLEX is available in the following pixel pitches: 1.25mm, 1.56mm, 1.86mm, 2mm, 2.5mm, 3.078mm, 4mm.
O-FLEX Pro is available in the following pixel pitches: 1.25mm, 1.5625mm, 1.667mm, 1.875mm, 2.5mm,



O-FLEX



O-FLEX PRO



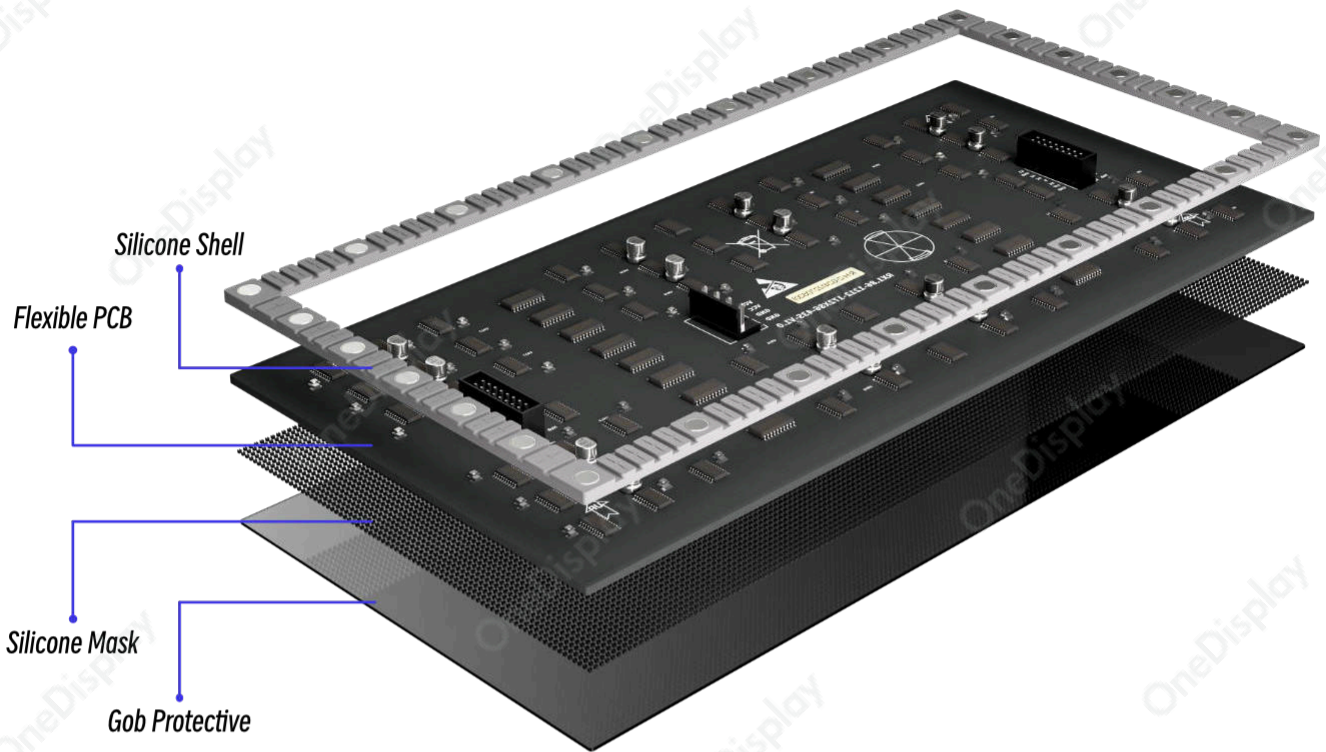
Effortlessly Craft Concave Or Convex Curves

From immersive concave installations to eye-catching convex displays, unlock unprecedented creative flexibility engineered for audience engagement demands multi-angle adaptability.



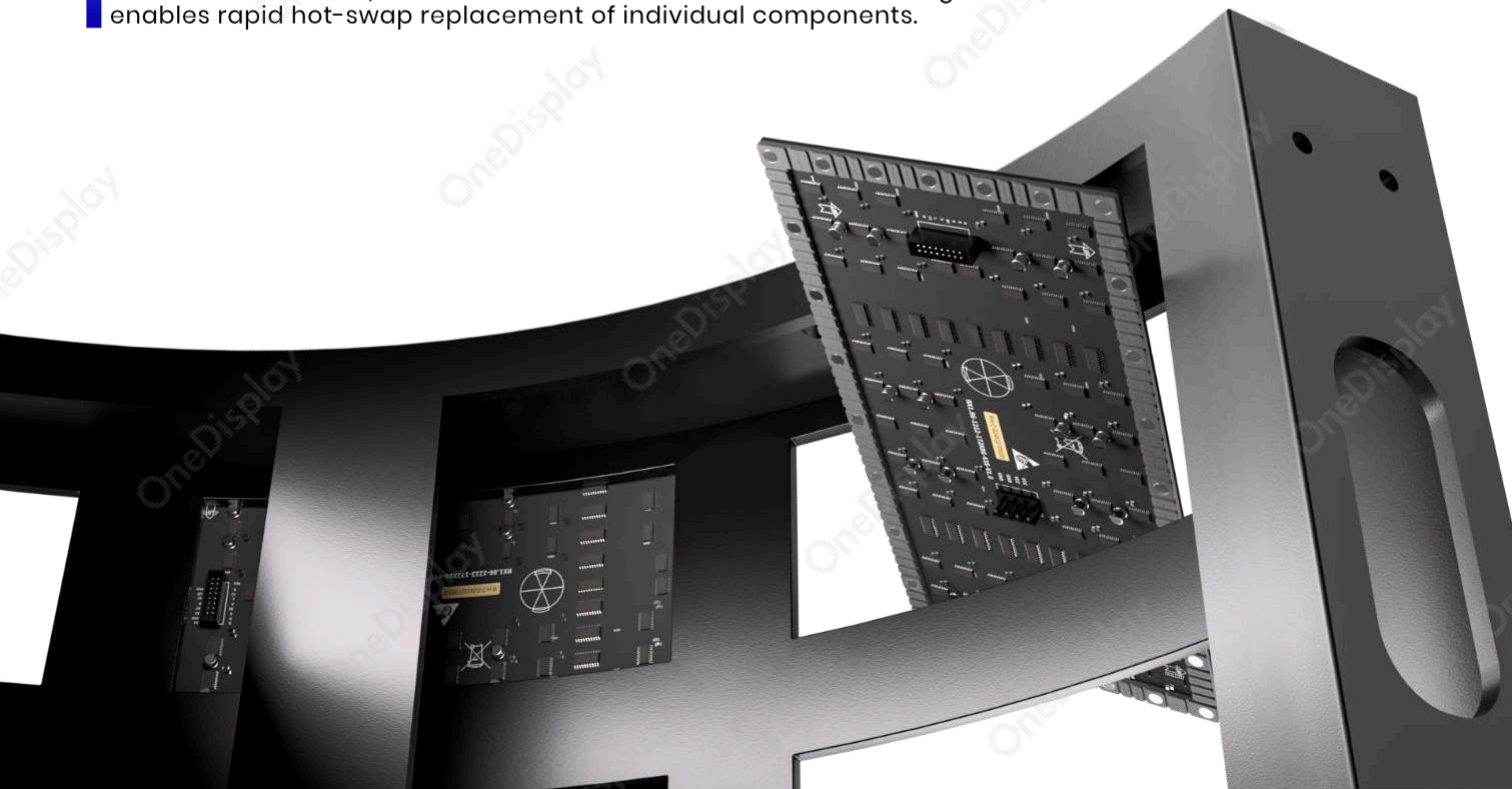
Optional GOB-Encapsulated LED Modules

Available with optional GOB polymer encapsulation for protection: Dustproof & Be damp-proof, Scratch-Resistant Surface – Prevents LED bead from accidental impacts or abrasion.



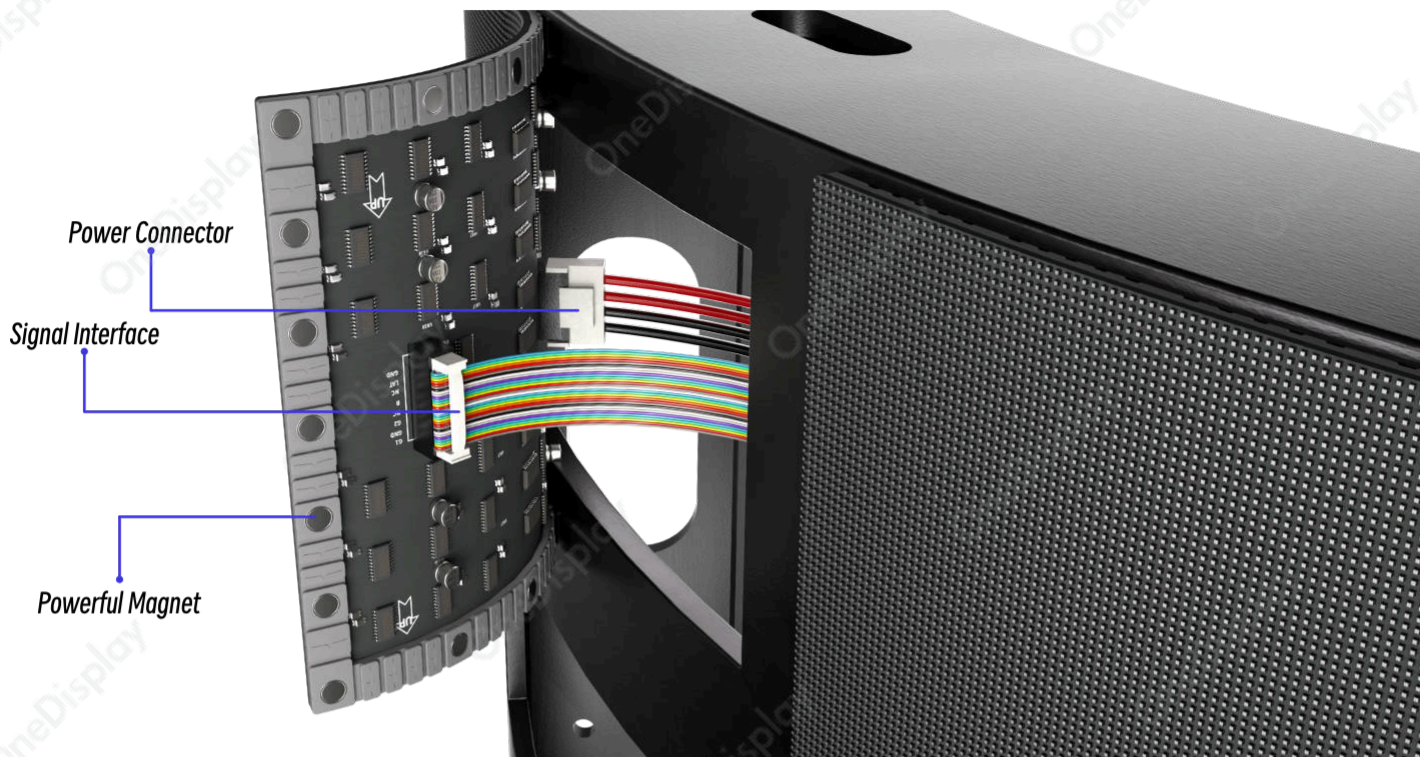
Front-Rear Serviceable LED Module

Module feature front/rear access that streamline cabinet servicing. The tool-free modular architecture enables rapid hot-swap replacement of individual components.



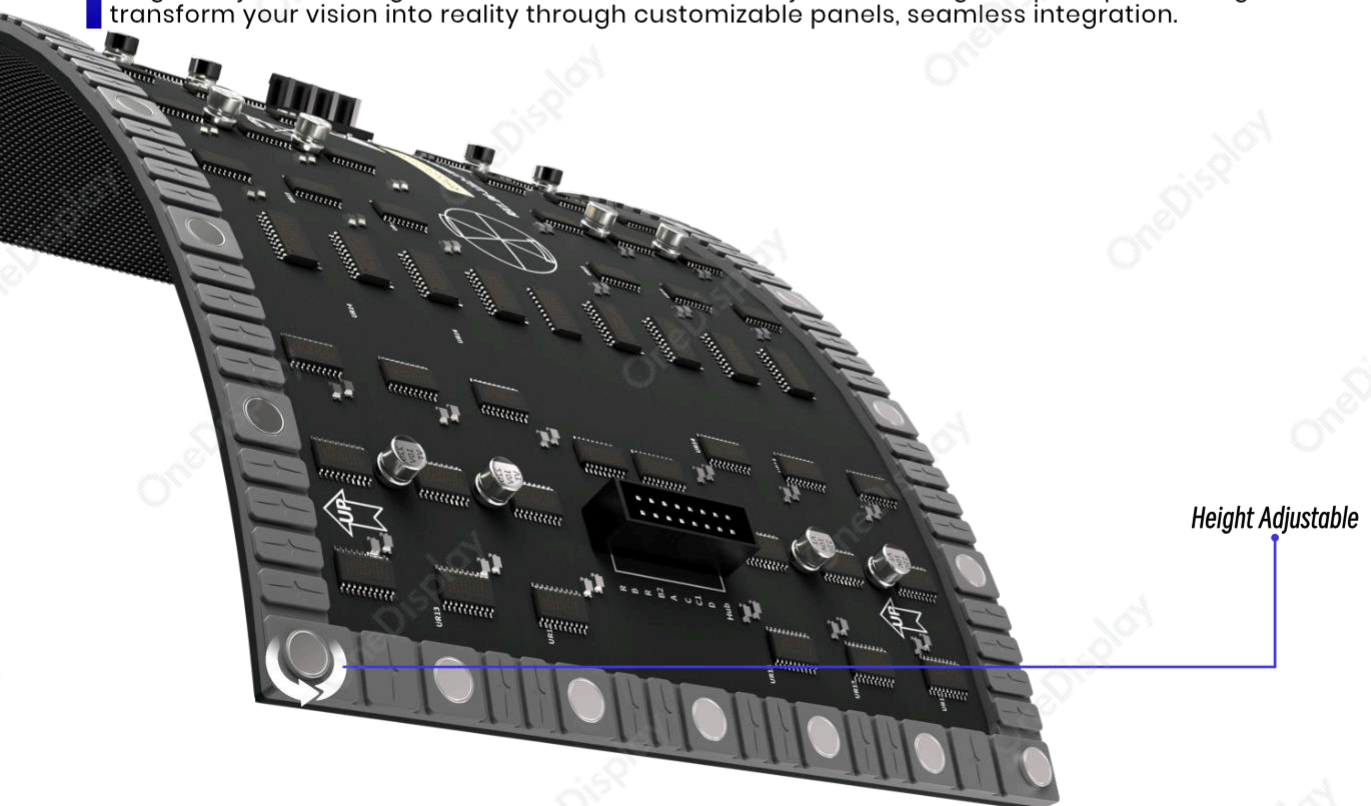
Installations with Magnetic Systems

Multi-pole magnetic arrays solution, Omni-Surface Compatibility: Instantly adheres to ferrous substrates (steel/iron/aluminum) without drilling.



Dynamic Alignment Control

Height-adjustable magnetic holder, $\pm 2\text{mm}$ vertical adjustment range for pixel-perfect alignment, transform your vision into reality through customizable panels, seamless integration.



Customized Framing Solutions

Every project is one-of-a-kind, so is our O-FLEX framing system. Expertly engineered and segmented splicing, ensuring flawless execution for even the most complex designs and installations.



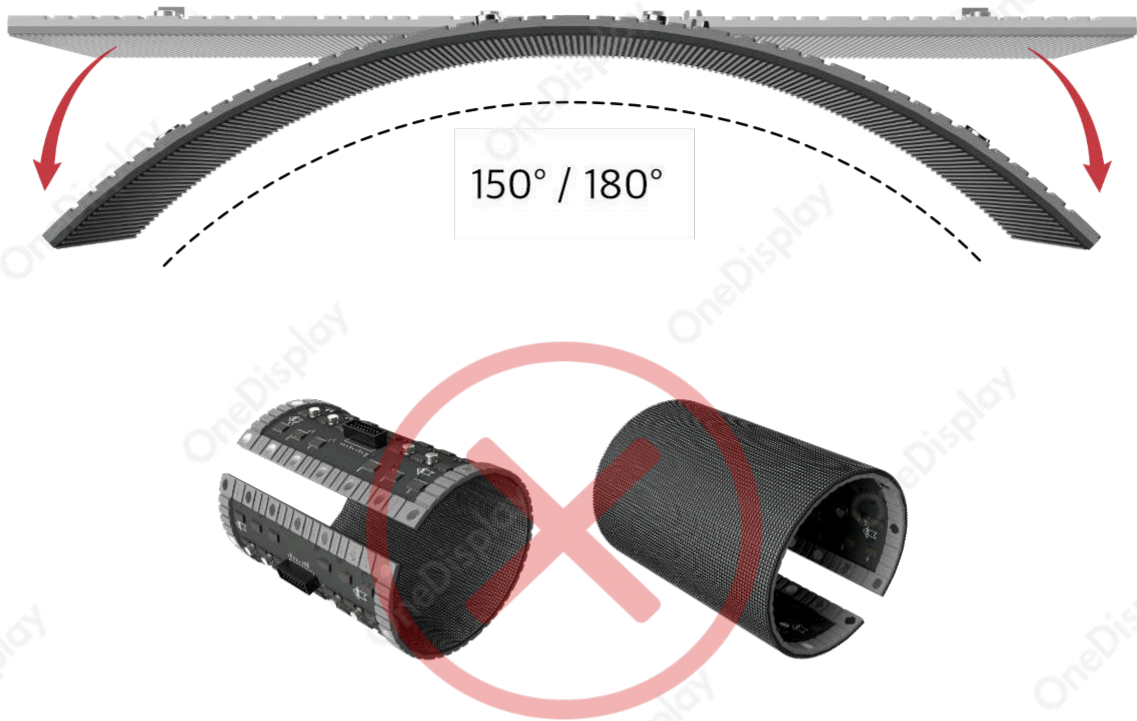
Versatile Applications for Any Design

from standard shapes like cola cans, pillars, and globes to customized geometries. Whether you need mass-produced uniformity or one-of-a-kind creative displays, we deliver precision for all scenarios.



⚡ Application:





Notes on installation details

Multiple installation methods

1. The operator must wear anti-static gloves when assembling the module.
2. The screen body or module is prohibited to splash water, such as cleaning dust shall not use rags, objects with moisture, hard objects for cleaning, can be cleaned with an anti-static soft brush.
3. When installing the indoor LED display, the relative humidity of the environment should be in the range of 20%~80%, and the module should be placed in a dry place before assembly to ensure that the module is stored in an environment where the temperature is within 35°C and the humidity within 65%.
4. It is forbidden to tear or pull directly by violence, recommended gently pulling and inserting the wires to avoid breaking the copper column and damaging the PCB.
5. It is forbidden to install with galvanized square pipe, galvanized square pipe cannot guarantee the flatness, it is recommended to install with iron box spraying process.
6. The spraying process is recommended for simple arc-shaped and cylindrical sheet metal iron boxes, which are easy to install and have good flatness.
7. Module bending angle between 150° and 180°, repeated folding of modules with violence is prohibited.

* Product failure or damage caused by non-compliance with the relevant precautions in the installation details manual or human factors are not covered by the manufacturer's warranty. Please take good care of the materials and accessories supplied with the screen, and contact us if you have any questions.

LED Screen Manufacturer in China



OneDisplay Limited

Office Number:+86 755-2324 2986

Phone/Whatsapp:+861363278 9913

Email: marketing@onedisplay.net / info@onedisplaygroup.com

Office/Factory Address: OneDisplay Limited, 9th Floor, Refond Optoelectronics Building, Ronghui Road, Guangming District, Shenzhen, Guangdong, China