

**O-FLEX /** SERIES

## **Concave&Convex Curves Flexible**

Led Display

# Parameters

SPECIFICATION				
Pixel Pitch	1.667mm Pro	1.875mm Pro	2.5mm Pro	3mm Pro
Encapsulation brand	NationStar / Hongs			
LED lamp bead model	SMD1010	SMD1010	SMD1515	SMD2020
Pixel composition	1R1G1B			
Moudle Reslution(W*H)	144x96	144x64	96x64	80x40
Moudle Size(W*H)	240x160mm	270x120mm	240x160mm	240x120mm
Fixed Way	Front			
Density of Pixel (dots/m2)	360000	284444	160000	111111
Brightness(cd/m2)	600	600	1000	1000
viewing angle	160°/160°			
Contrast	6000:1			
Protection level	Ip43			
Gray scale	14bit			
Chromaticity uniformity	±0.003 within Cx,Cy			
Driving method	1/32	1/32	1/32	1/20
Frame change frequency	60			
Refresh rate	1920~3840HZ			
Color temperature	2000K~9500K			
Operating platform	Windows XP /7/8/10			
Signal Input	HDMI、DVI			
Operating Voltage	AC: 110V~240V、50~60Hz			
Maximum Power (W/m2)	400	550	440	390
Average Power (W/m2)	160	220	170	150
Continuous working time	≥7x24hrs			
Service life	100000Hours			
Operating environment	-20℃~50℃ 10%~90%RH			

SPECIFICATION				
Pixel Pitch	4mm Pro	2.5mm Basic	3.078mm Basic	4mm Basic
Encapsulation brand	NationStar / Hongs			
LED lamp bead model	SMD2020	SMD1515	SMD1515	SMD2020
Pixel composition	1R1G1B			
Moudle Reslution(W*H)	60x30	128x64	104x52	60x30
Moudle Size(W*H)	240x120mm	320x160mm	320x160mm	240x120mm
Fixed Way	Front			
Density of Pixel (dots/m2)	62500	160000	105625	62500
Brightness(cd/m2)	800	850	850	800
viewing angle	160°/160°			
Contrast	6000:1			
Protection level	Ip43			
Gray scale	14bit			
Chromaticity uniformity	±0.003 within Cx,Cy			
Driving method	1/15	1/32	1/26	1/15
Frame change frequency	60			
Refresh rate	1920~3840HZ			
Color temperature	2000K~9500K			
Operating platform	Windows XP /7/8/10			
Signal Input	HDMI、DVI			
Operating Voltage	AC: 110V~240V、50~60Hz			
Maximum Power (W/m2)	350	480	440	450
Average Power (W/m2)	140	190	170	180
Continuous working time	≥7x24hrs			
Service life	100000Hours			
Operating environment	-20℃~50℃ 10%~90%RH			



O-FLEX adaptive LED tile allows for more creativity than ever before. Its radical lightweight design eliminates any traditional display screen component: no shader, no perforations, nothing to interfere with the viewing experience. Its lightweight and ability to curve, bend, fold and attach to virtually any surface makes it perfect for those installations that call for a non-traditional LED solution.



HIGH  
RESOLUTION



THIN  
DESIGN



CURVE



FIXED  
INSTALL



INDOOR



NOVA  
CONTROLLER



O-FLEX Pro



## PRODUCT OVERVIEW

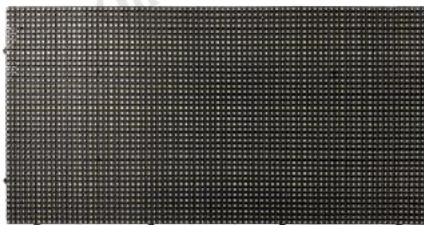
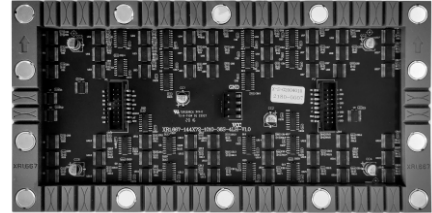
O-FLEX Series allows for seamless convex or concave LED designs where traditional flat or flexible panels will not work. O-FLEX Series is an extremely lightweight and high-resolution production like no other.

O-FLEX is available in the following pixel pitches: 2.5mm, 3.078mm, 4mm.

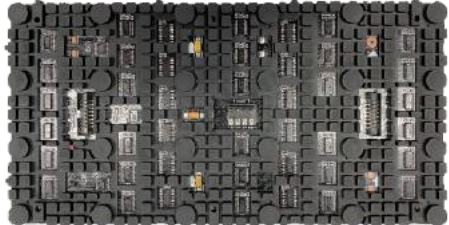
O-FLEX Pro is available in the following pixel pitches: 1.667mm, 1.875mm, 2.5mm, 3mm, 4mm.



**O-FLEX**



**O-FLEX PRO**



## PRODUCT FEATURES

### EASILY BUILD CONCAVE & CONVEX CURVES

Spice up your imaging landscape via seamless convex or concave curved video walls with angles, curves and just about any other creative design.



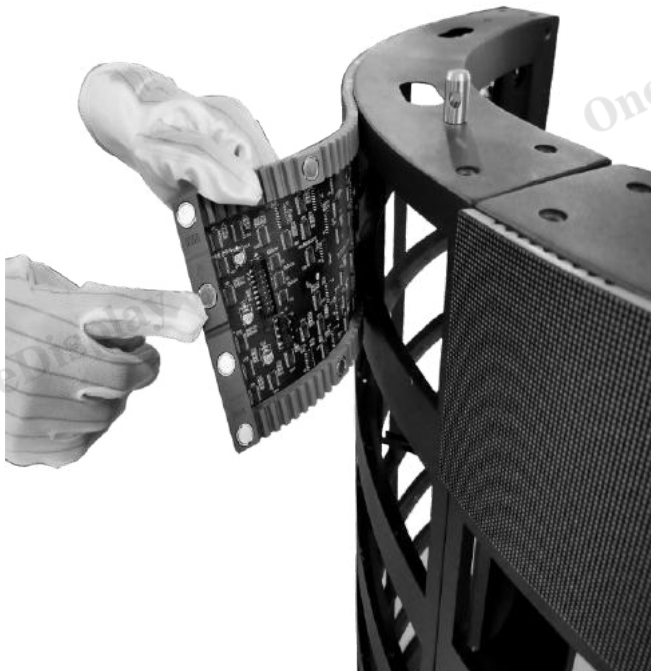
## FRONT SERVICEABILITY

The module can be maintained and disassembled from the front end, Single module replacement made easy, improving serviceability in the field.



## MAGNETIC

Magnetic mounts allow for attachment to virtually any surface enabling the most creative LED designs.



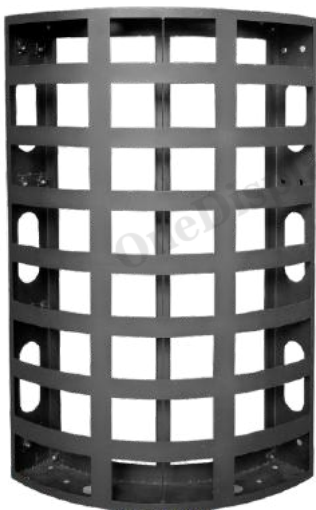
## RELIABLE DATA & POWER MANAGEMENT

External sending and receiving control, paired with quality connectors, guarantee safe and reliable connections between each O- FLEX Mod Adaptive LED tile where traditional flat LED panels are not applicable, Keeping construction of the final product slim, lightweight, and compact.



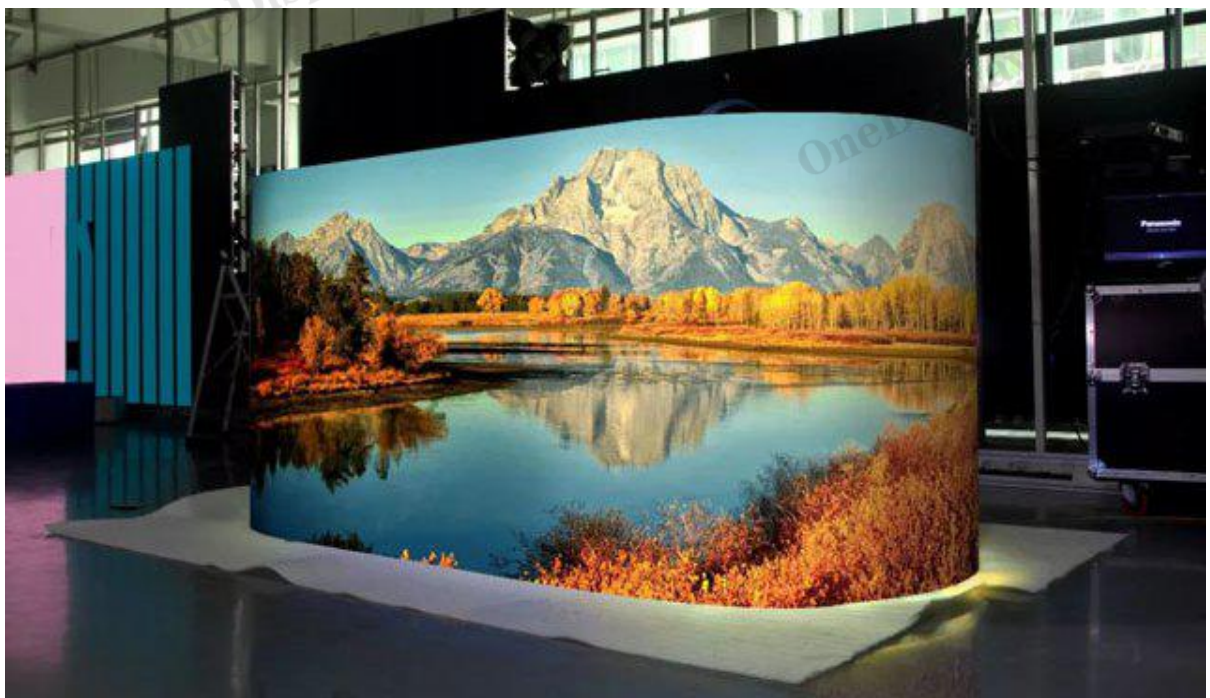
## CUSTOM FRAMES

O-FLEX Series Tiles can be attached to virtually any surface via magnets. With each project being unique, the O-FLEX specific framing structure is designed and manufactured to accomplish your unique design and deployment.

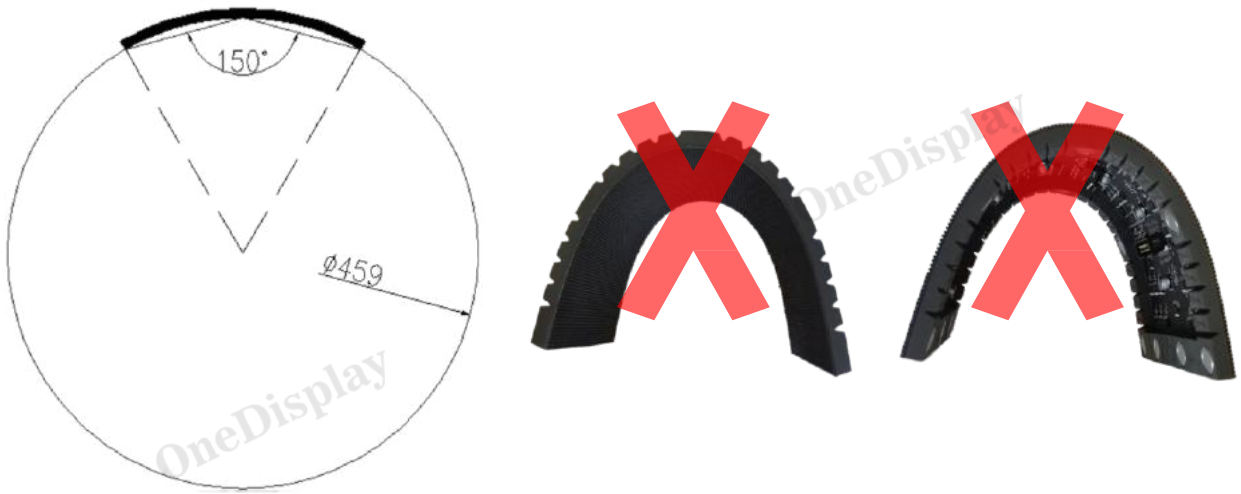




## CASE STUDIES



## Notes on installation details



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.



# O-FLEX SERIRS

LED Screen Manufacturer in China



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