iDisplay

iFlex Series

Flexible LED Screen

One of the most thin & light LED module in the world with special material and advanced technology

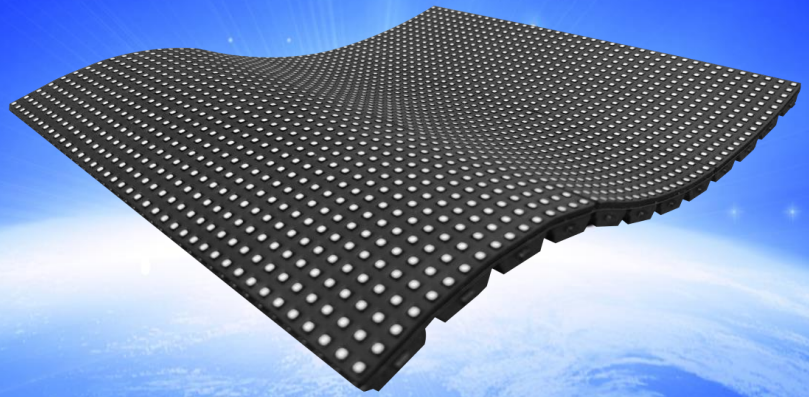
Most soft panel

Slim and light

Full front service

Easy installation

CE-EMC CE-LVD Approval



About iFlex

Description

iDisplay i-Flex is designed for indoor and semi-outdoor creative shape led display. It offers you a seamless solution for round column, concaveand convex display, gateway arch, various innovative design.

Dimensions

- Available pixel pitch: Indoor 1.875mm, 2.5mm, 3mm, 4mm, 4.8mm, 6mm; semi outdoor 4.8mm
- Module size : 240x120mm for P3, P4, P6
  230.4*192mm for P4.8 indoor and semi outdoor
  240*160mm for P2.5
  270*120mm for P1.8

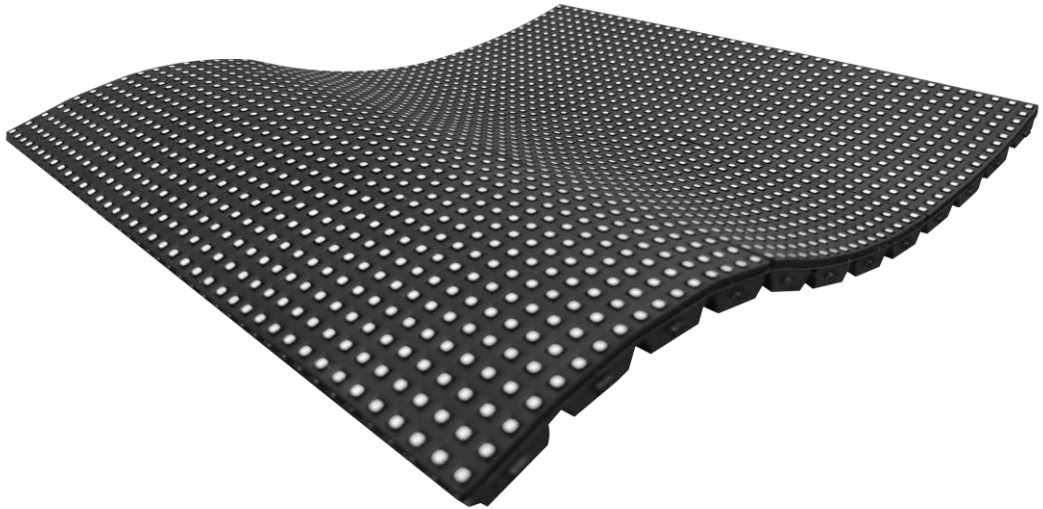
Most Soft flexible module

Feature

- The most stable and soft led flexible panel. 4 modules to make one column (min diameter<0.3m)
- Even distributed magnet are designed to make sure the module can be smoothly assembled on structure. It also balances module strength when it bents.
- Module with location pin, seamless & easy assembly.
- Full flexible PCB and silicon material on PCB real side.
- Full front service

Slim and light

One of the most thin & light LED module in the world with special material and advanced technology
Thickness with magnet: 8mm
Weight: 380g/panel

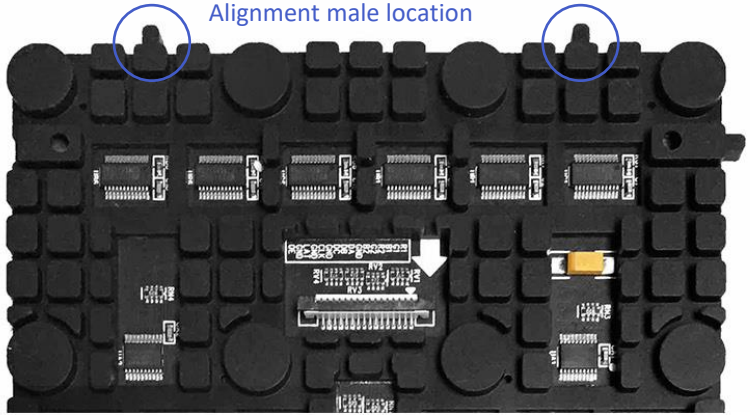


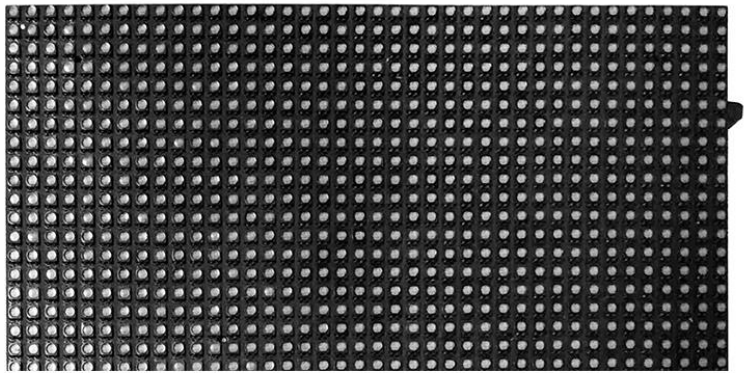
8mm
Thickness

380
g/panel

Seamless & easy assembly

Module with location pin,
seamless & easy assembly





Mask? Yes!

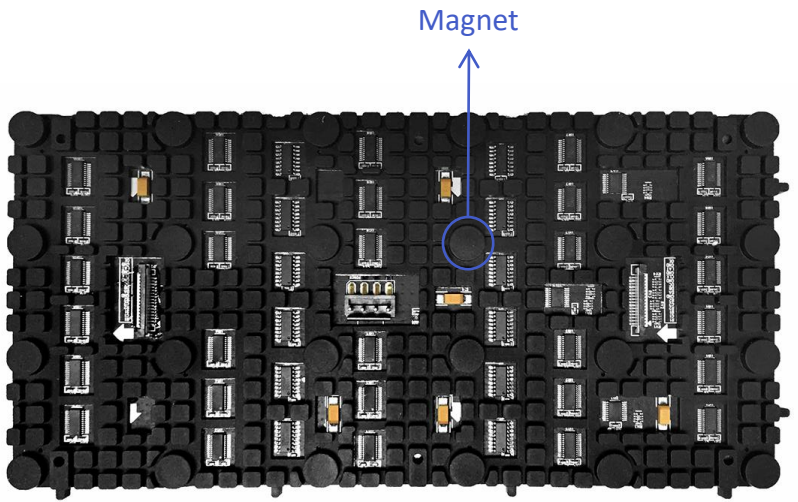
P1.875, P2.5, P3, P4.8 are compatible with mask

Matt Black led for all pitch

Better alignment

Even distributed magnet to make sure all modules are smoothly assembled on strucuture.

And also it will balance module strength when it bent.



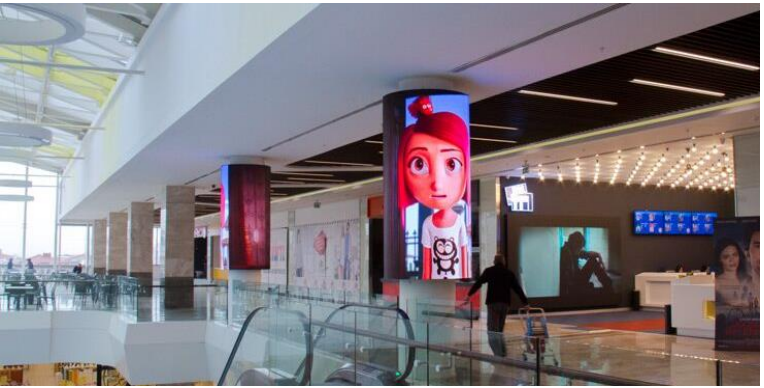
Comparison

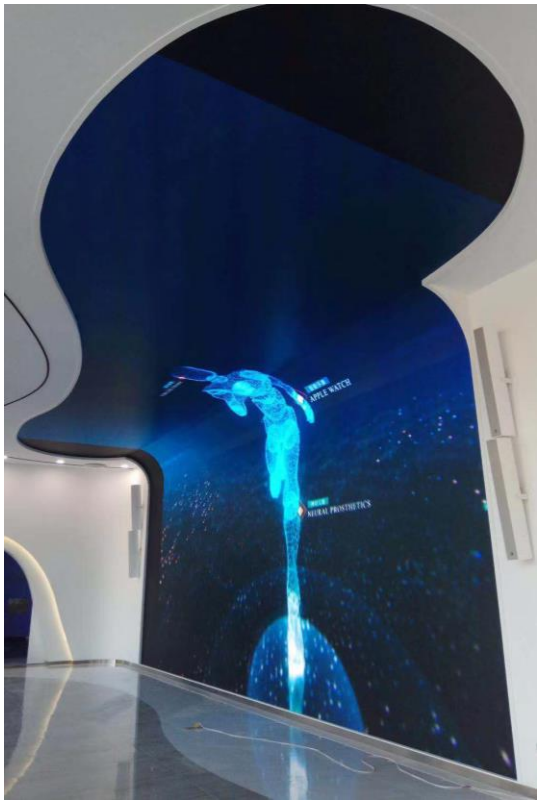
iDisplay

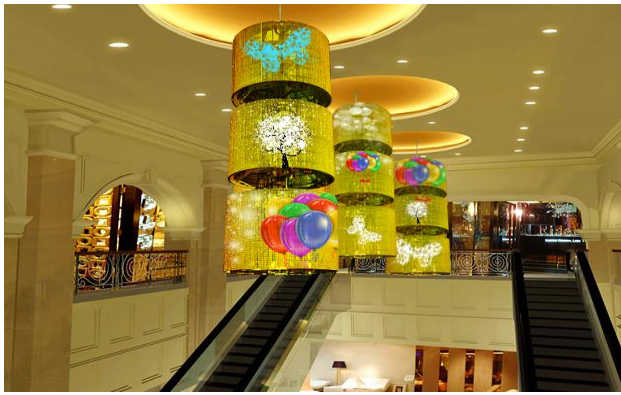
Items	Flex from market	Flex from iDisplay	Flex from one supplier
Picture			
Pixel pitch	indoor P2, P2.5, P3,P4, P5,P6,P8,P10	indoor P1.875,P2.5,P3,P4,P4.8,P6; semi outdoor P4.8	P4, P6
Module dimension	Different module size for different pitches	240x120mm for most pitches	288x120mm
Smallest Diameter	<500mm	<300mm	>500mm
Silicon	Silicon at the edge only	Full flexible silicon	Strip plastic design, less flexibility
Magnet	Magnet at the edge only	Average distributed magnet to balance the module strengh when it was bent	Magnet at the edge only
PCB	PCB circurt is easy to break when it was bent	The full silicon design will protect us from bent the module too much	Strip design limits the degree of bent but protect PCB
EMC	Not EMC approval	EMC Class A	EMC design?
Cost	Lower cost	Cost effective	Expensive

Case inspiration

iDisplay







Specification

iDisplay

Model	F1.875	F2.5	F3	F4	F4.8	F6	F4.8
Application	Indoor						semi-outdoor
Pixel Pitch	1.875mm	2.5mm	3mm	4mm	4.8mm	6mm	4.8mm
Physical Density	284444	160000	111111	62500	43403	27778	43403
LED Type	SMD1010	SMD1515	SMD2121			SMD3528	SMD1921
Module Resolution	144*64	96*48	80*40	60*30	48*40	40*20	48*40
Module Size	270*120mm	240*160mm	240*120mm		230.4*192mm	240*120mm	230.4*192mm
Color Temperature	6500						
Viewing Angle	>120°						
Brightness	⩾800cd/m²	⩾1000cd/m²					⩾5500cd/m²
Refresh Rate	⩾1920Hz						
Frame Frequency	⩾60Hz						
Dead pixel Rate	<0.0001						
Life Time	100000 hours						
The Min Diameter	516mm	458mm	305mm	305mm	293.5mm	305mm	293.5mm

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wwww.idisplayled.com