



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



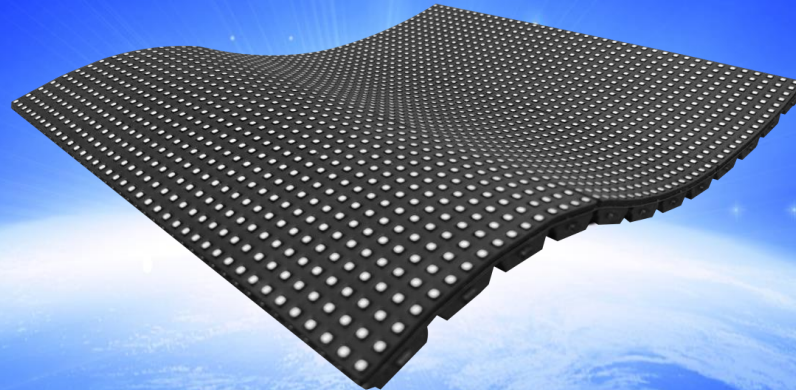
Full front service



Easy installation



CE-EMC CE-LVD Approval



About iFlex



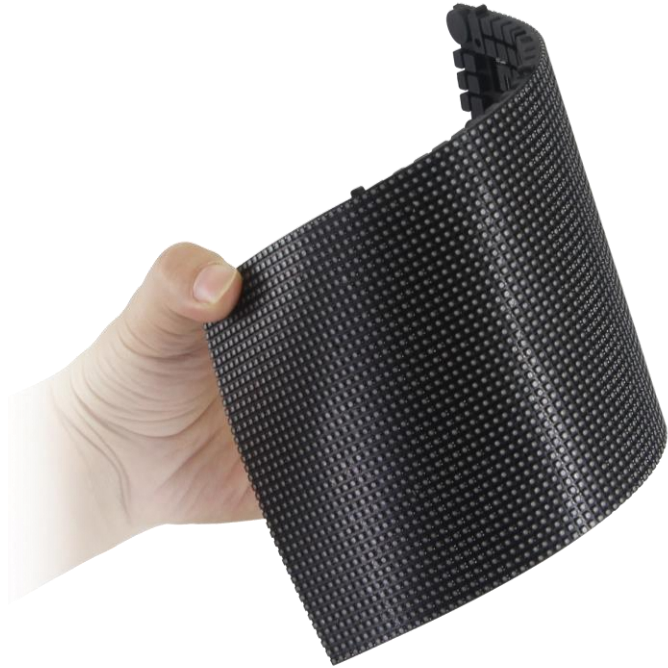
Description

iDisplay i-Flex is designed for indoor and semi-outdoor creative shape led display. It offers you a seamless solution for round column, concave and 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 <math>< 0.3\text{m}</math>)
- 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

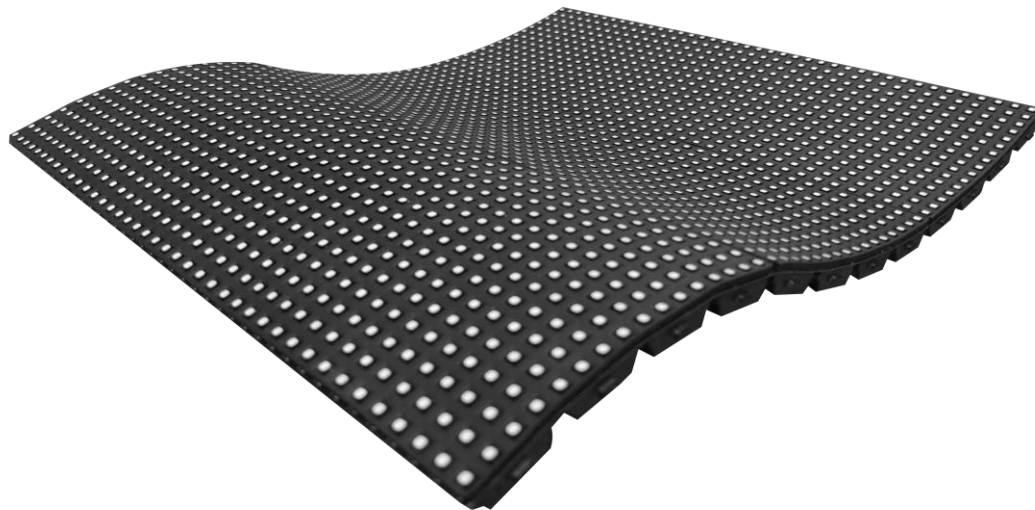


Slim and light

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

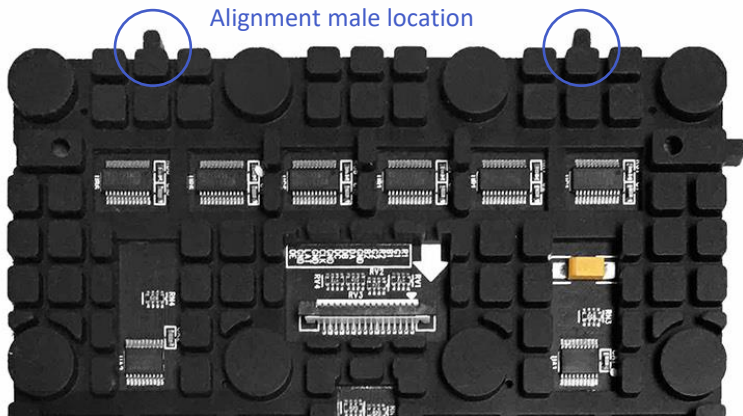
Seamless & easy assembly

Module with location pin,
seamless & easy assembly

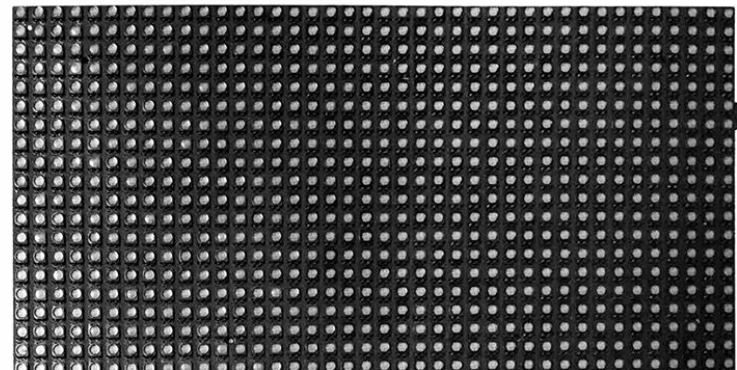


Alignment female location

Alignment female location



Alignment male location



Mask? Yes!



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

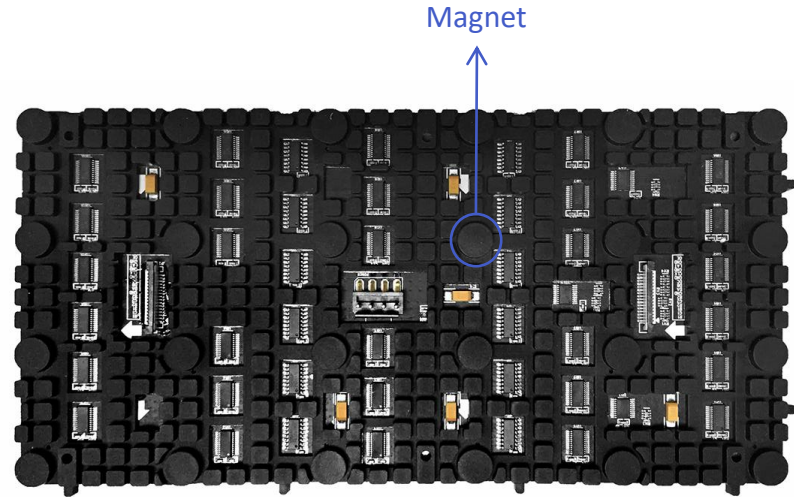
Matt Black led for all pitch

Better alignment






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

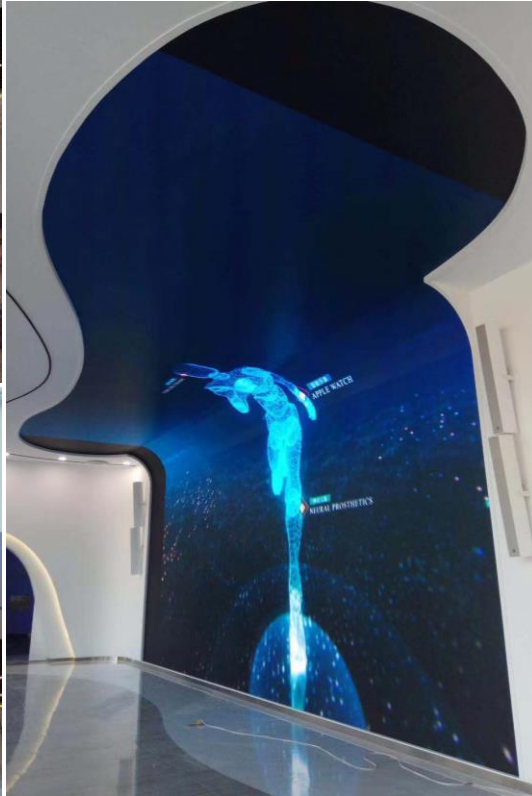
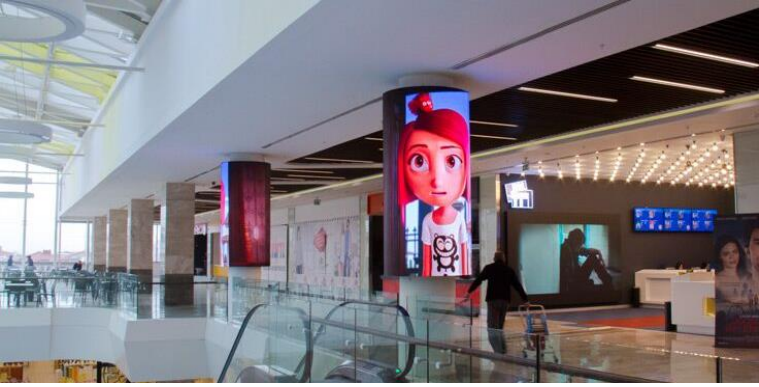
And also it will balance module strength when it bent.



Comparison

| 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 strength when it was bent | Magnet at the edge only |
| PCB | PCB circuit 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



Specification

| 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/m ² | | ≥1000cd/m ² | | | | ≥5500cd/m ² | |
| 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 | |



www.dragontechnova.com
Alina@dragontechnova.com