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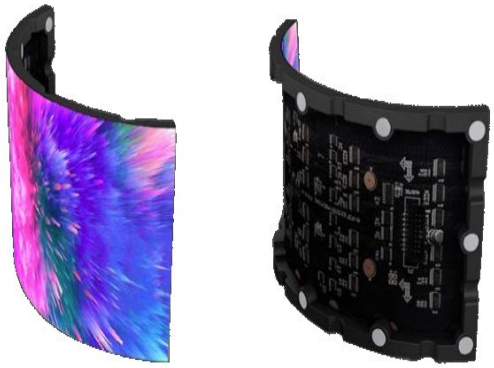
SP Series

LED Display

INTRODUCTION

The SP series is the latest ultra-thin flexible LED display, in which the LED display unit, and the display. The signal processing unit, power supply unit, and circuit board connected to the display unit are all flexible. It has beautiful convex lines and a variety of unique shapes. It can give people a dynamic aesthetic feeling under the color change, and break the Limitations of traditional display installations. The SP series screen has very strong flexibility, can be bent and folded at a large angle, and can meet scenes with curved surfaces and special shapes. It is widely used in banks, securities markets, stations, docks, airports, shopping malls, hospitals, hotels, construction markets, etc. The flexible screen display is bright in color and has a strong three-dimensional effect. It can improve the decoration level or create a special atmosphere.



FEATURES

- Ultra-light and ultra-thin
- Anti-stepping, anti-collision, anti-pressure, anti-scratch and other absolute advantages.
- High resolution, no image trail
- Can be customized to upgrade
- 140° super large viewing angle
- Quick and flexible installation
- High contrast design
- Excellent maintenance performance
- Technical design mask, clear play effect
- Low brightness and high gray effect, display gray scale uniformity, good consistency
- Excellent heat dissipation performance
- Various models to choose from
- Silicone soft bottom shell design

SP Series

Beijing Lema Technology Co.,Ltd.
Tel:+86 10 64912688 | Fax:+86 10 64912688 info@isemc.com | www.isemc.com

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FEATURES IN DETAIL

Ultra-light & Ultra-thin

- Silicone soft bottom shell design
- The flexible screen splicing technology uses semiconductors and electric drive luminescence, and the thickness is only about 3 mm
- The module is composed of multi-layer organic molecular silicone mask, LED lamp beads, silicone soft bottom shell, magnet and other materials. The thickness of a single module is less than 2cm, and the weight is less than 200

Powerful magnets
(height adjustable)

Silicone soft bottom
shell

LED Lamp Bead Organic
Molecular Silicone Mask

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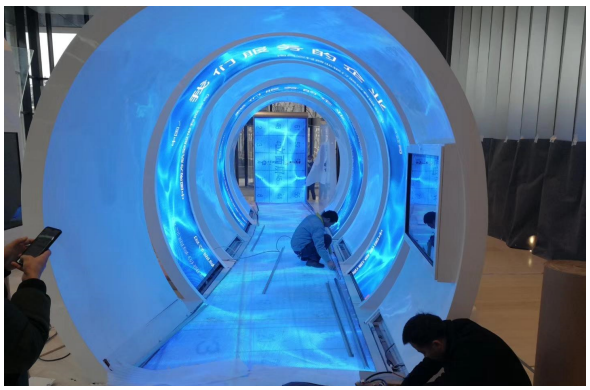
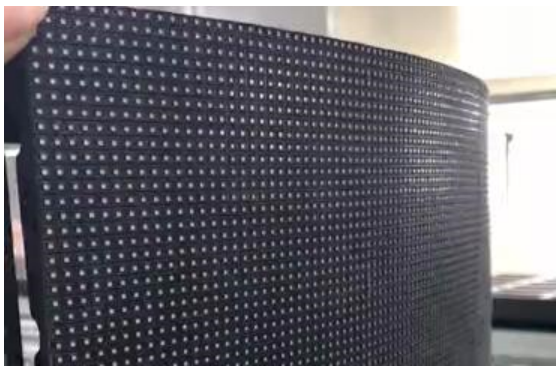
FEATURES IN DETAIL

Flexible Display & Creative

- The Bending arc is greater than 120° Flexible application, suitable for customized scenarios
- From research and development to production, the product is constantly updated in technology, and the product is tested for 10,000 times of bending and folding before production.



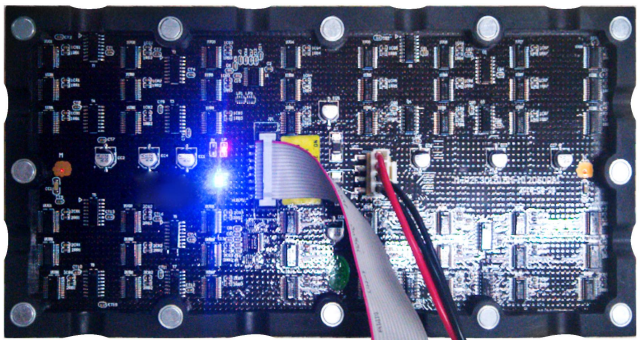


Excellent Maintenance

- The module adopts the magnetic suction front maintenance design, and the company's special front maintenance tools are standard for easy maintenance;
- Strong magnetic adsorption, simple and fast, not limited by orientation, saving 90% installation cost compared with conventional display screens.

Module Optimization Design

- Module indicator light: The power signal indicator light is designed on the PCB board, and the working status of the module can be seen on the back of the module;
- Reasonable PCB layout: the bending surface does not deform or warp, the white balance consistency is good, and the performance is stable



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High Contrast

- The module adopts full-color black-faced LED lamp beads and is equipped with a soft mask, which greatly improves the contrast of the entire screen and solves the phenomenon of modularization without a mask;
- The design of the diffusion scheme in the LED light-emitting cup reduces the reflectivity of the LED panel, prevents reflections, and makes the image performance clearer and more delicate

Poor Picture Quality

Clear Picture Quality

High Gray Effect

- The LED display module adopts a 16-bit driver IC with high gray-scale two-wire transmission, which significantly improves the image quality and the texture of the dark part is clear;
- The image displayed on the screen has more details, the image has a more layered sense, and the picture quality is clearer and more delicate. The texture of the dark part is clear, and the color blocks appear in the dark part

Low Gray Effect

High Gray Effect

SP Series

SPECIFICATIONS

Product Name	P1.53-52S	P1.86-43S	P2-40S	P2.5-32S	P3.076-26S	P4-20S
Pixel Pitch	1.538mm	1.86mm	2mm	2.5mm	3.076mm	4mm
Brightness	600nit(Normal)	700nit(Normal)	600nit(Normal)	600nit(Normal)	600nit(Normal)	600nit(Normal)
Pixel Density	42,250pixel /sqm	288,906pixel /sqm	25,000pixel /sqm	160,000pixel /sqm	105,625pixel /sqm	62,500pixel /sqm
Module Size	320mm(W)×160mm(H)	320mm(W)×160mm(H)	320mm(W)×160mm(H)	320mm(W)×160mm(H)	320mm(W)×160mm(H)	320mm(W)×160mm(H)
Module Resolution	208(W)×104(H)	172(W)×86(H)	160(W)×80(H)	160(W)×80(H)	104(W)×52(H)	80(W)×40(H)
Frame Rate	60Hz	60Hz	60Hz	60Hz	60Hz	60Hz
Horizontal Viewing Angle	140°	140°	140°	140°	140°	140°
Vertical Viewing Angle	120°	120°	120°	120°	120°	120°
Best View Distance	1.5m~32m	1.8m~32m	2m~32m	2.5m~32m	3m~32m	4m~32m
Average Power Consumption	325W /sqm	325W /sqm	325W /sqm	325W /sqm	325W /sqm	325W /sqm
Max Power Consumption	650w /sqm	650w /sqm	650w /sqm	650w /sqm	650W /sqm	650W /sqm
Refresh Rate	3840Hz	3840Hz	3840Hz	3840Hz	3840Hz	3840Hz
Scanning Method	1/52	1/43	1/40	1/32	1/26	1/20
Software Manual Adjustment	100 levels adjustable	100 levels adjustable	100 levels adjustable	100 levels adjustable	100 levels adjustable	100 levels adjustable
Lifespan (Max)	100000 hours	100000 hours	100000 hours	100000 hours	100000 hours	100000 hours
Contrast	4000:1	4000:1	4000:1	4000:1	4000:1	4000:1
Signal Support	RF、S-Video、RGB、RGBHV、YUV、YC、COMPOSITION					

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