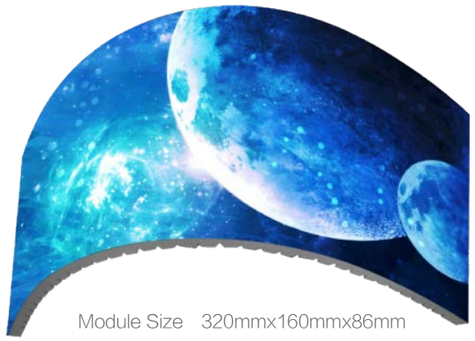
US-RC series

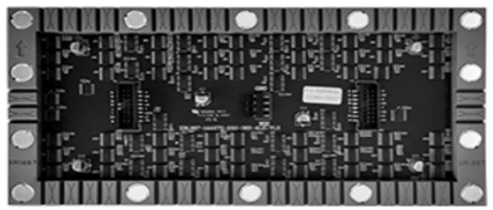
Flexible LED Display



Module Size 320mmx160mmx86mm

Detail image

U-shaped arc display diagram



Outer arc display

Inner arc display

P1.875/P2/P2.5/P3/P4 **Pixel Pitch**

Function Features

- Module standardized size design 320mmx160mm, low current, low heat, high contrast ratio 5000:1,high brightness and high gray, refresh ⩾1920Hz, 12-16bit gray level, no delay, no smear phenomenon in image presentation.
- The bendable arc is ⩽145° , and the viewing angle is up to 140° . It is suitable for flexible display of curved surfaces such as stage backgrounds, exhibition halls, and indoor conference rooms, which helps to improve the environmental level and create a special visual atmosphere.
- The module structure adopts high-strength sheet metal sandblasted iron box (plate thickness 2.0), and the unique segmented splicing process can effectively reduce the splicing gap of the screen.
- The module adopts strong magnetic adsorption type installation, which can be adjusted slightly, andthe screen body has good flatness. The front maintenance design of the power box, special scenarios,can realize front installation, and can meet the front maintenance with specific tools.
- The PCB board is made of flexible soft board, and the mask/bottom shell is made of high-quality silicone material.
- The thickness of the module is only 8.6mm, the ultra-thin design takes up little space.

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- The PCB board adopts Shengyi PCB, gold plating process, S1000-2 base material, special circuit layout, multi-layer PCB design, high-end materials ensure better heat dissipation.
- The whole series adopts high-contrast black LEDs. which ensure stable quality and performance, high gray scale while low bightness.
- The bottom shell is made of high-quality silicone material, which has good flexibility, high temperature resistance and low temperature resistance, eliminates static electricity, and has strong protective performance.
- The PCB board uses copper column welding and adhesive backing to form a lockable base with the bottom shell, making the module more firm and reliable.
- The single board is equipped with 14 strong magnetic magnets, and the magnetic content of a single magnet reaches 2000 GS, which greatly solves the problems of degumming and warping of common modules, and effectively improves the screen body flatness and use effect.

		P1.875	P2	P2.5	P3	P4
technicial parameter	Pixel configuration	1R1G1B (Full Color)				
	Lamp Bead Package Specifications	SMD1515			SMD2121	
	Pixels Density(dot /m^2)	288888	250000	160000	111111	62500
	Module Size (mm)	320x160x8.6mm (LxHxT)				
	Module Resolution	172x86	160x80	128x64	104x52	80x40
	Scan mode	1/43	1/30	1/24	1/20	1/15
	Refresh rate (Hz)	⩾3840	⩾3840	⩾3840	⩾3840	⩾3840
	Frame frequency(Hz)	50&60				
	Gray Scale (Bit)	12-16				
	Signal interface	HUB75				
	Module bottom shell material	Silicone soft bottom case				
	Module weight(kg/pcs)	0.216	0.205	0.175	0.175	0.17
	Cabinet Size	Can be customized according to the size of the module				
	Cabinet Material	Sheet metal sandblasted iron box				
	Cabinet Flatness(mm)	⩽ 0.3				
	IP Level	IP40				
	Module Barcket Mareridls	Silicon Rubber Soft Bracket				
	Installation/Maintenance method	Front-bank installation/maintenance				
Optical properties	Brightness (nits)	⩾750	⩾750	⩾750	⩾900	⩾850
	Color temperature (K)	3000—10000 adjustable				
	Luminance uniformity	⩾97%				
	horizontal /vertical view angle	⩾160° /⩾140°				
	Contrast ratio	5000:1				
Electricity Parameter	Module supply voltage DC (V)	5	5	5	5	5
	Module maximum current DC (A)	3	3	3	3	3
	Max power consumption of the module (w/pcs)	15	15	15	15	15
	work input voltage AC(V)	110—220				
	Power Consumption(Max) (w/m^2)	800	800	800	800	800
	Power Consumption(Ave) (w/m^2)					
Use parameter	Typical life values (hrs)	100,000				
	Temperature-operating range (℃)	-10—50				
	Temperature-storage range (℃)	-20—60				
	Humidity-operating range (RH)	20—85% (no condensation)				
	Humidity-storage range(RH)	20—80% (no condensation)				