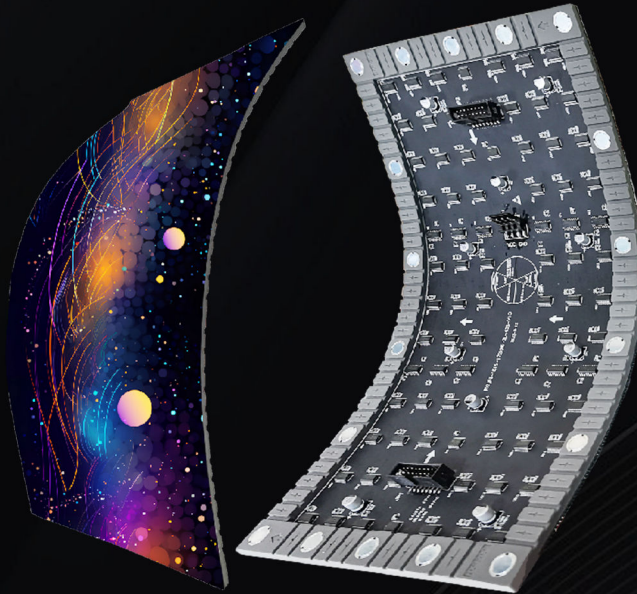


A Series-AS-A

Indoor Soft Module



Overview of soft display series products:

The module sizes covered by the soft display series products are 240mmx120mm, 256mmx128mm, 320mmx160mm, and the pixel pitch includes: P1.25, P1.538, P1.86,P2,P2.5,P2.58,P3,P3.076,P4.

Scope of application:

These specifications are only applied to 320mmx160mm modules in the soft display series products, and the pixel pitch includes P1.25, P1.538, P1.86,P2,P2.5,P2.58,P3,P3.076,P4.

Main features:

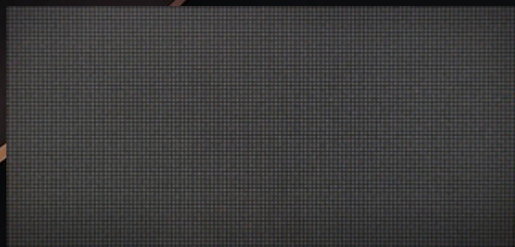
- Module standardized size design 320mmx160mm, low current, low heat, contrast ratio 5000:1, high brightness, refresh $\geq 3840\text{Hz}$, gray scale 16bit, image presentation without delay or smear;
- The minimum bendable diameter is up to 509mm, and the viewing angle is up to 140° .
It is suitable for curved flexible displays such as stage backgrounds, exhibition halls, and indoor conference rooms. It helps to improve the quality of the environment and create a special visual atmosphere;
- The cabinet structure adopts a high-strength sheet metal sandblasted iron box, with a unique segmented splicing process, which effectively reduces the screen splicing gaps;

- The module adopts strong magnetic adsorption type installation, the magnet is CNC processed, and the screen body has good flatness;
- The front maintenance design of the power board enables front installation in special scenarios, and can be used with specific tools to meet front maintenance;
- The PCB board is made of flexible soft board, and the mask/bottom shell is made of high-quality silicone material;
- The module thickness is only 5.25mm, ultra-thin design, and takes up little space.

Explanation of extreme angles:



Module appearance display:



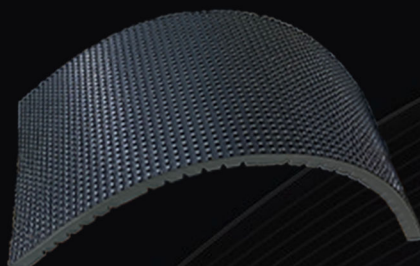
Main view



Rear view



Detail drawing



U-shaped radian
display diagram



Outer radian
display diagram



Inner radian
display diagram

Main Technical Specifications:

Classification	Name	Demand		
Technical parameter	Pixel Pitch (mm)	AS-A-P1.25	AS-A-P1.538	AS-A-P1.86
	Pixel Density (pixels/m²)	640000	422500	288906
	LED Packaging Type	SMD1010	SMD1212	SMD1212
	Pixel Composition	1R1G1B	1R1G1B	1R1G1B
	Module Size (mm)	320*160*5.25	320*160*5.25	320*160*5.25
	Module Composition	according to the cabinet size	according to the cabinet size	according to the cabinet size
	Module Flatness (mm)	≤0.5-1	≤0.5-1	≤0.5-1
	Module Resolution (Pixel)	256*128	208*104	172*86
	Module Material	Silicone soft bottom case	Silicone soft bottom case	Silicone soft bottom case
	Module Weight (KG/PCS)	0.334	0.330	0.316
	Scanning Mode (S)	1/64	1/52	1/43
	Refresh Rate (Hz)	≥ 3840	≥ 3840	≥ 3840
	Frame Rate (Hz)	60	60	60
	Gray Level	16	16	16
	Cabinet Material iron box	iron box	iron box	iron box
	Cabinet Weight(KG/㎡)	30	30	30
	Cabinet Size (mm)	can be customized according to module size	can be customized according to module size	can be customized according to module size
	Cabinet Flatness (mm)	≤ 0.3	≤ 0.3	≤ 0.3
	IP Rate	IP43	IP43	IP43
	Maintenance Mode	Front or rear Installation and maintenance	Front or rear Installation and maintenance	Front or rear Installation and maintenance

Main Technical Specifications:

Optical characteristic	Brightness (nits)	800	800	800
	Color Temperature (K)	3000—10000 (adjustable)	3000—10000 (adjustable)	3000—10000 (adjustable)
	View Angle	≥ 140°	≥ 140°	≥ 140°
	Brightness Uniformity	≥ 97%	≥ 97%	≥ 97%
	Contrast Ratio	5000:1	5000:1	5000:1
Electrical parameter	Current (A)	5	5	5
	Input Voltage (V)	AC:110-220	AC:110-220	AC:110-220
	Maximum Power Consumption (W/㎡)	490	490	440
	Average Power Consumption (W/㎡)	165	165	150
	Module Voltage (V)	5	5	5
	Maximum power consumption of the module (w	25	25	22.5
	Typical LED Lifetime (H)	100000	100000	100000
Usage parameter	Operating Environment (°C/%RH)	20—85%, non-condensing	20—85%, non-condensing	20—85%, non-condensing
	Storage Environment (°C/%RH)	20—80%, non-condensing	20—80%, non-condensing	20—80%, non-condensing
	Working Temperature (°C)	-10—50	-10—50	-10—50
	Storage Temperature (°C)	-20—60	-20—60	-20—60
	Signal interface method	HUB75	HUB75	HUB75
	Certification	RoHS, FCC, CE	RoHS, FCC, CE	RoHS, FCC, CE

Main Technical Specifications:

Classification	Name	Demand				
Technical parameter	Pixel Pitch (mm)	AS-A-P2	AS-A-P2.5	AS-A-P2.58	AS-A-P3.076	AS-A-P4
	Pixel Density (pixels/m²)	250000	160000	150156	105625	62500
	LED Packaging Type	SMD1515	SMD1515	SMD2121	SMD1515	SMD2121
	Pixel Composition	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B
	Module Size (mm)	320*160*5.25	320*160*5.25	320*160*5.25	320*160*5.25	320*160*5.25
	Module Composition	according to the cabinet size	according to the cabinet size	according to the cabinet size	according to the cabinet size	according to the cabinet size
	Module Flatness (mm)	≤0.5-1	≤0.5-1	≤0.5-1	≤0.5-1	≤0.5-1
	Module Resolution (Pixel)	160*80	128*64	124*62	104*52	80*40
	Module Material	Silicone soft shell	Silicone soft shell	Silicone soft shell	Silicone soft shell	Silicone soft shell
	Module Weight (KG/PCS)	0.315	0.269	0.260	0.252	0.230
	Scanning Mode (S)	1/40	1/32	1/31	1/26	1/20
	Refresh Rate (Hz)	≥3840	≥3840	≥3840	≥3840	≥3840
	Frame Rate (Hz)	60	60	60	60	60
	Gray Level	16	16	16	16	16
	Cabinet Material iron box	iron box	iron box	iron box	iron box	iron box
	Cabinet Weight(KG/㎡)	30	30	30	30	30
	Cabinet Size (mm)	can be customized according to module size	can be customized according to module size	can be customized according to module size	can be customized according to module size	can be customized according to module size
	Cabinet Flatness (mm)	≤0.3	≤0.3	≤0.3	≤0.3	≤0.3
	IP Rate	IP43	IP43	IP43	IP43	IP43
	Maintenance Mode	Front or rear Installation and maintenance	Front or rear Installation and maintenance	Front or rear Installation and maintenance	Front or rear Installation and maintenance	Front or rear Installation and maintenance

Main Technical Specifications:						
Optical characteristic	Brightness (nits)	800	800	800	800	800
	Color Temperature (K)	3000—10000 (adjustable)	3000—10000 (adjustable)	3000—10000 (adjustable)	3000—10000 (adjustable)	3000—10000 (adjustable)
	Brightness Uniformity	≥ 97%	≥ 97%	≥ 97%	≥ 97%	≥ 97%
	View Angle	≥ 140°	≥ 140°	≥ 140°	≥ 140°	≥ 140°
	Contrast Ratio	5000:1	5000:1	5000:1	5000:1	5000:1
Electrical parameter	Current (A)	4.5	4.5	4.5	4.5	4.5
	Input Voltage (V)	AC:110-220	AC:110-220	AC:110-220	AC:110-220	AC:110-220
	Maximum Power Consumption (W/㎡)	440	440	440	440	440
	Average Power Consumption (W/㎡)	150	150	150	150	150
	Module Voltage (V)	5	5	5	5	5
	Maximum power consumption of the module (w	22.5	22.5	22.5	22.5	22.5
	Typical LED Lifetime (H)	100000	100000	100000	100000	100000
Usage parameter	Operating Environment (°C/%RH)	20—85%, non-condensing	20—85%, non-condensing	20—85%, non-condensing	20—85%, non-condensing	20—85%, non-condensing
	Storage Environment (°C/%RH)	20—80%, non-condensing	20—80%, non-condensing	20—80%, non-condensing	20—80%, non-condensing	20—80%, non-condensing
	Working Temperature (°C)	-10—50	-10—50	-10—50	-10—50	-10—50
	Storage Temperature (°C)	-20—60	-20—60	-20—60	-20—60	-20—60
	Signal interface method	HUB75	HUB75	HUB75	HUB75	HUB75
	Certification	RoHS, FCC, CE	RoHS, FCC, CE	RoHS, FCC, CE	RoHS, FCC, CE	RoHS, FCC, CE

Installation diagram:

01 Cylindrical Structure Installation



Soft module



Cabinet installation



assembling soft module and cabinet

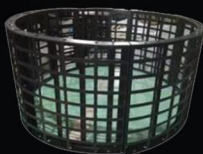


Finished product

02 Inner/outer arc structure installation



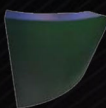
Soft module



Structure mounting



Inner arc structure



Outer arc structure



Finished product