

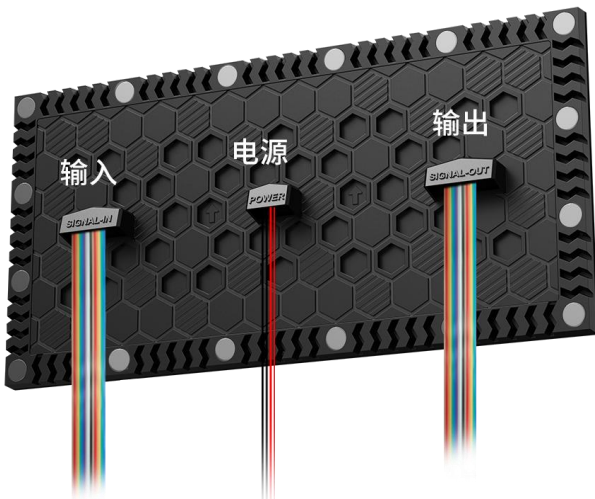
OUTDOOR FLEXIBLE LED DISPLAY MODULE



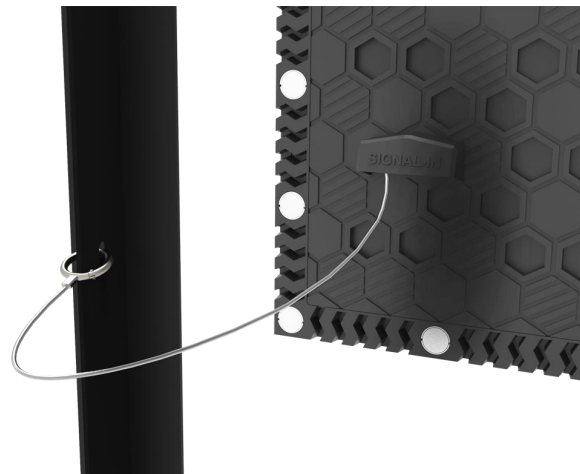
Module front



Module back



Power and signal port rain-proof



Safety wire to avoid falling

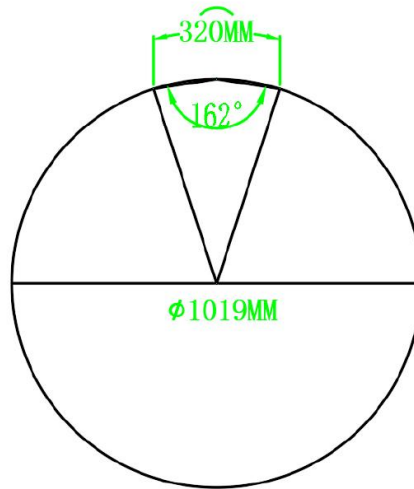
- **Product introduction**
- **With the development of the times, LED indoor soft modules can no longer meet the current people's high standard requirements for the perfect combination of modeling and practical effects. However, the emergence of outdoor soft modules gets rid of the pain point that traditional soft modules are only installed in indoor environments without waterproof function, and the waterproof process before and after outdoor soft modules can meet the conditions of indoor/outdoor environment use at the same time, and has soft and bendable performance, and the waterproof advantages and high**

brightness display effect that traditional indoor soft modules cannot match. The module can be assembled: inner arc display surface, outer arc display surface, corner screen display surface. It can meet different outdoor shapes and is widely used in: outdoor central squares, exhibition venues, high-end shopping malls, airport stations and other public places and many other media release and display places and other wide application fields. Let the outdoor display go beyond the plane;

- 2. Main process characteristics
- Module standardized size design 320X160mm, low current, low heat, high contrast, high refresh;
- The bottom shell is equipped with 16 magnets, and the magnetic content of a single piece reaches 2500 GS, which makes the fit between the module and the box body stronger, the magnet is resistant to salt spray, and the corrosion resistance test is 48 hours, and the magnet height can be adjusted, effectively improving the flatness and use effect of the screen body;
- Support front installation/maintenance design, front and rear waterproof process to meet the requirements of IP65 waterproof level;
- The module lamp surface is equipped with a protective mask to protect the lamp beads, anti-reflection, and prevent solid dust from entering;
- The back cover of the bottom shell adopts honeycomb design pattern with great visual beauty, and the back cover of the bottom shell can be removed, which is convenient for maintenance, better protects the components on the back of the module from being easily damaged, and prevents the module from entering the water;
- The anti-fall safety rope is combined with the strengthening magnet to add an extra layer of safety to prevent the module from falling due to strong wind in the environment or during high-altitude installation operations;
- PCB board adopts flexible soft board, the bottom shell adopts silicone material, good flexibility, eliminate static electricity;

Minimum Arc

- 10PCS modules to form diameter $\geq 1019\text{mm}$



Minimum bending diameter

- Max.Module bending degree, convex or concave both $\geq 162^\circ$

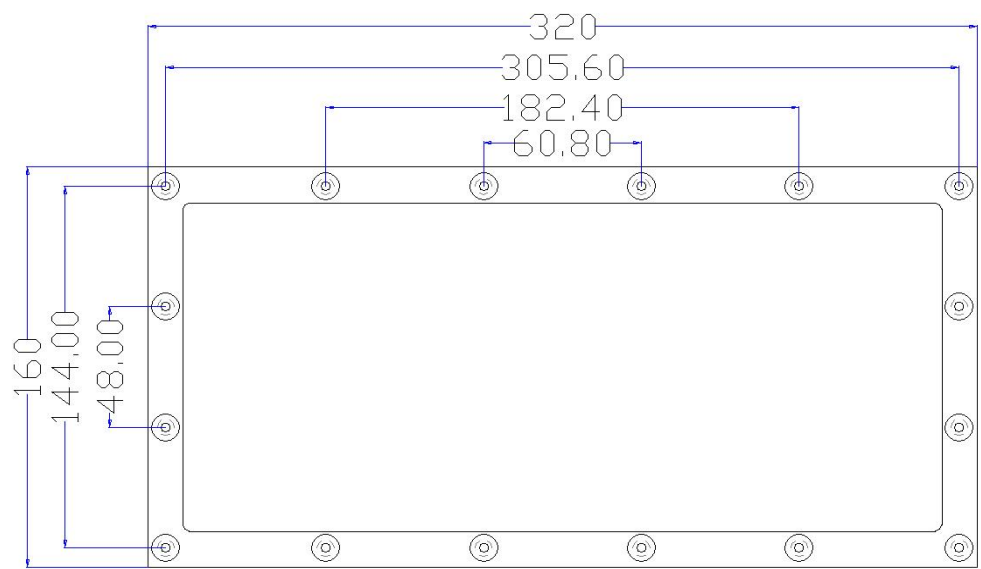


Specs data:

	Item	FLEXOU-P2.5	FLEXOUP3.076	FLEXOU-P4	FLEXOU-P5
Technical specs	LED pixel configuration	1R1G1B (full color)	1R1G1B (full color)	1R1G1B (full color)	1R1G1B (full color)
	LED lamp type	SMD1921	SMD1921	SMD1921	SMD1921
	Pixel density (pixels/m ²)	160000	105625	62500	40000
	Module size (mm)	320X160X12 (LXWXH)	320X160X12 (LXWXH)	320X160X12 (LXWXH)	320X160X12 (LXWXH)
	Module resolution	160X80	104X54	80X40	64X32
	Scan number	1/16 scan	1/13 scan	1/10 scan	1/8 scan
	Constant current driver IC	Double buffering	Double buffering	Double buffering	Double buffering
	Refresh rate (Hz)	3840hz	3840hz	3840hz	3840hz
	Frame frequency (Hz)	60hz	60hz	60hz	60hz
	Gray scale (bit)	12bit	12bit	12bit	12bit
	Minimum diameter	1019mm	1019mm	1019mm	1019mm
	Bending degree	≥162°	≥162°	≥162°	≥162°
	Signal port	HUB75(in and out)	HUB75(in and out)	HUB75(in and out)	HUB75(in and out)
	Module bottom cover material	Silicon	Silicon	Silicon	Silicon
	Module weight (g/PCS)	600g	600g	600g	600g
	flatness (mm)	≤ 0.6 mm	≤ 0.6 mm	≤ 0.6 mm	≤ 0.6 mm
	Protection level	IP65 (with water-proof cabinet)	IP65 (with water-proof cabinet)	IP65 (with water-proof cabinet)	IP65 (with water-proof cabinet)
	Install/Maintenance way	Front service, front installation	Front service, front installation	Front service, front installation	Front service, front installation
Optical	Brightness (cd/sqm)	5000 cd/sqm(nits)	5000 cd/sqm(nits)	5000 cd/sqm(nits)	5000 cd/sqm(nits)
	Color temperature (K)	9000-9500 K adjustable	9000-9500 K adjustable	9000-9500 K adjustable	9000-9500 K adjustable
	Coordinate	X:0.2800 Y:0.3000 ± 0.01	X:0.2800 Y:0.3000 ± 0.01	X:0.2800 Y:0.3000 ± 0.01	X:0.2800 Y:0.3000 ± 0.01
	Horizontal/Verticl viewing angle	X:140° / Y:120°	X:140° / Y:120°	X:140° / Y:120°	X:140° / Y:120°
	Contrast ratio	≥3000:1	≥3000:1	≥3000:1	≥3000:1
Electrical	Working voltage DC (V)	5V	5V	5V	5V
	Max. current /module DC (A)	6A	6A	6A	6A
	Max. power consumption (w/module)	30 w	30 w	30 w	30 w
	Input voltage AC (V)	110/220 V	110/220 V	110/220 V	110/220 V
	Max. power (w/m ²)	600w	600w	600w	600w
	Ave. Power (w/m ²)	170 w	170 w	170 w	170 w

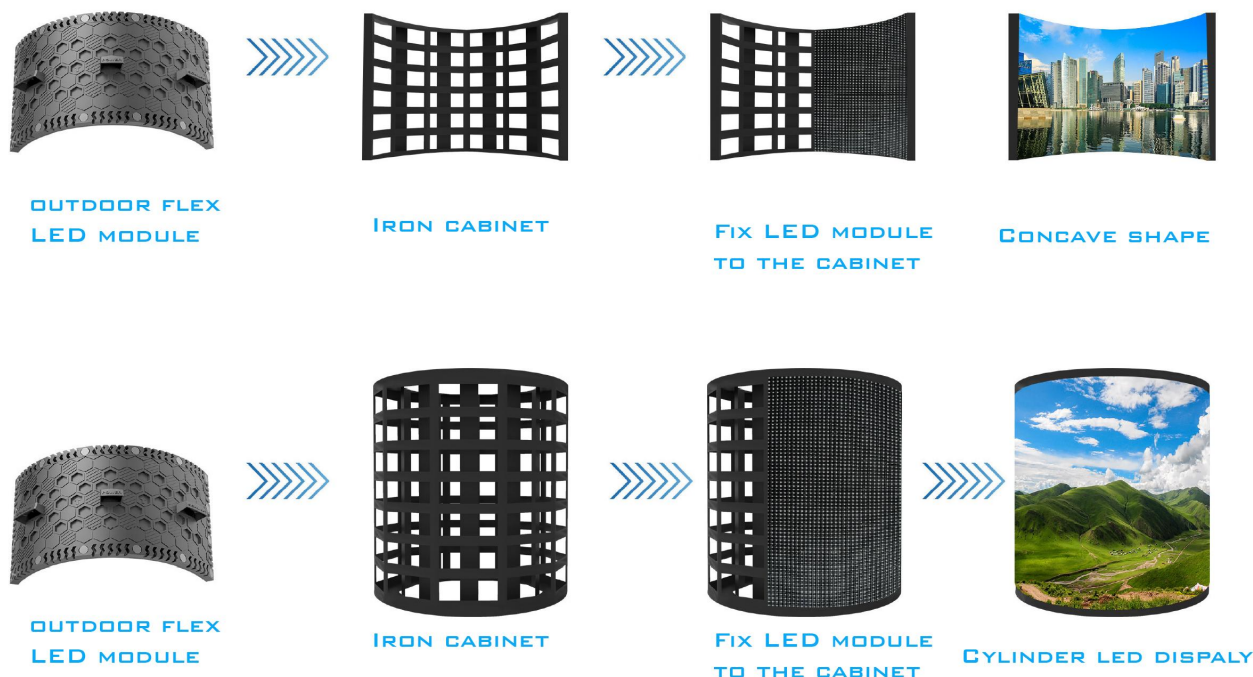
Use	Life span (h)	100 000 h	100 000 h	100 000 h	100 000 h
	Working temperature (°C)	-20—50 °C	-20—50 °C	-20—50 °C	-20—50 °C
	Working humidity (RH)	20%—90%RH	20%—90%RH	20%—90%RH	20%—90%RH

Module dimension drawing



Installation Diagram

OUTDOOR FLEX MODULE INSTALLATION GUIDE



Precautions for installation details

Operators must wear anti-static gloves when assembling the module.

The screen body or module is forbidden to hit the splash water, such as cleaning dust should not use chemical composition or hard objects for cleaning, can be cleaned with anti-static soft brush and clean water.

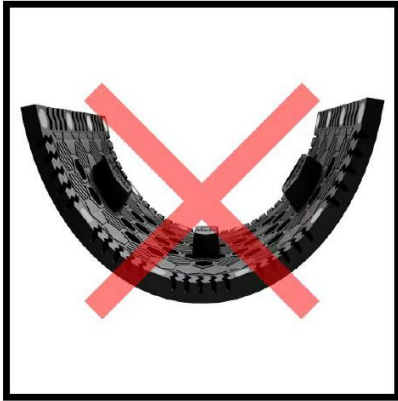
It is forbidden to tear and pull directly by violence, and gently pull and insert the cable when pulling and plugging, so as not to pull out the copper pillar and damage the PCB with excessive force.

After disassembling the back cover for maintenance, pay attention to the fact that the back cover must be pressed tightly to prevent water from entering during use.

It is recommended to install the sheet metal box spraying process. If galvanized square pipe is used, the galvanized square pipe cannot guarantee flatness.

Module bending angle between 162° ~ 180° , it is forbidden to bend repeatedly by force.

*Product failure or damage caused by non-compliance with the installation details in the manual, or human factors, is not covered by the manufacturer's warranty. Please keep the accompanying materials and accessories on the screen properly, and if you have any questions, please contact us.



NO BENIDNG TOO HARD
INWARDS



NO BENIDNG TOO HARD
OUTWARDS



NO PULLING TOO HARD ON
GALVANIZED PIPE

Accessory list

Item		Model	Reference photo
Power supply	Input voltage	AC 110/220V	
	frequency	50HZ/60HZ	
	Output voltage	DC 5V	
	Power	200W	
Control system	Sending card	Novastar, colorlight, .etc	

	Receiving card	Novastar, colorlight, .etc	
Processor	Sender and processor two in one	Novastar, colorlight .etc	
Cabinet	Iron cabinet	Cylinder, arc, wavy shape .etc	

Packing

