CARBON FIBER LED DISPLAY

The first choice for high-end LED displays

Carbon Series

(500x1000mm)

Modular Design

Curved Splicing

IP65

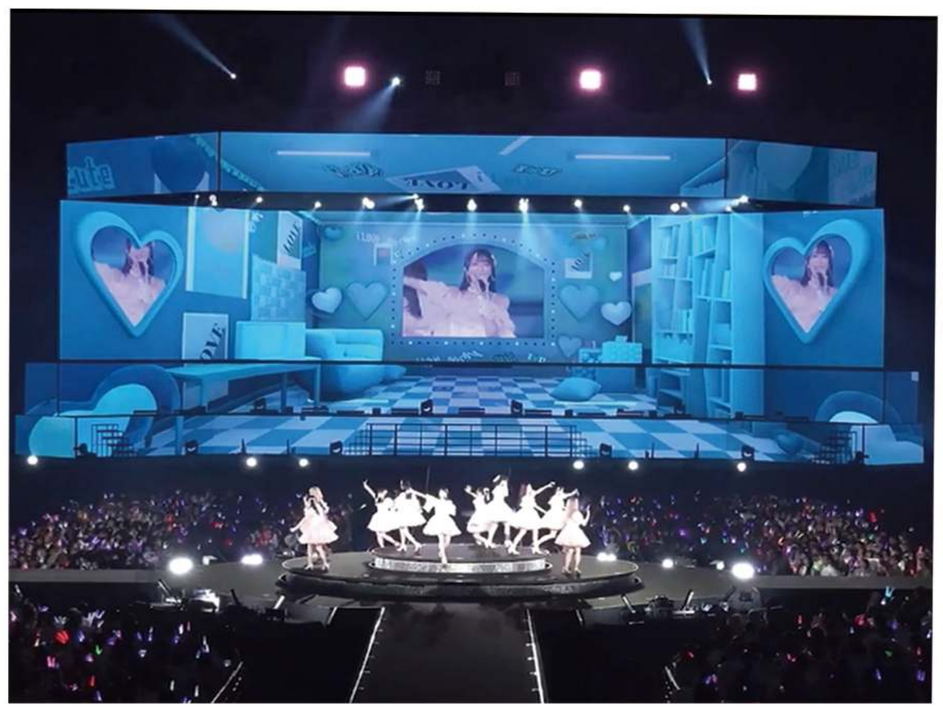
High Protection

Maintenance Design

Arc Clock

Application

- Type: Outdoor P6.94
- Address: Japan
- Size: 100 square meter



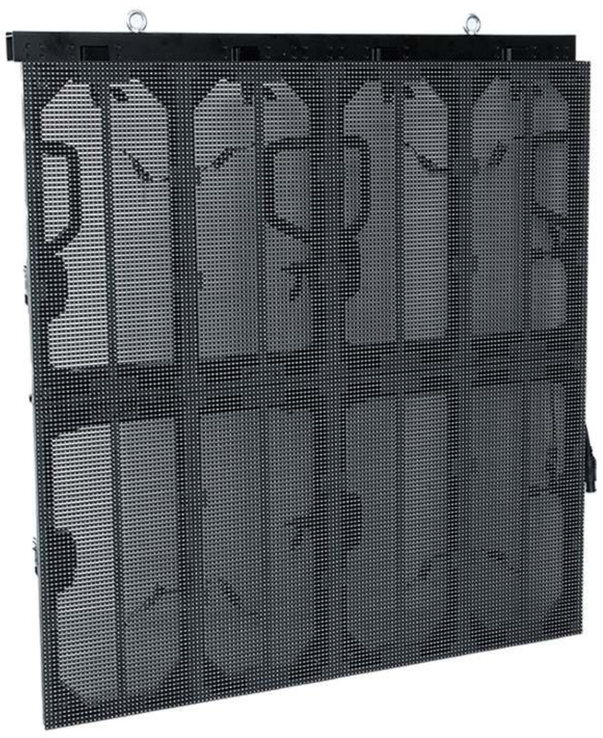
- Type: Outdoor P6.94
- Address: Japan
- Size: 180 square meter

Specifications

No.	Items	Outdoor P6.9	Outdoor P5.2	Outdoor P3.9	Outdoor P2.9	Indoor P3.9	Indoor P2.9	Indoor P2.6
1	Pixel Pitch	6.94mm	5.2mm	3.91mm	2.976mm	3.91mm	2.976mm	2.604mm
2	LED Configuration	SMD1921	SMD1921	SMD1921	SMD1415	SMD2020	SMD2020	SMD1515
3	Module Size	250*500mm				250*500mm		
4	Module Resolution	36*72dots	48*96dots	64*128dots	84*168dots	64*128dots	84*168dots	96*192dots
5	Cabinet Size (WXHXD)	500*1000*20mm				500*1000*20mm		
6	Cabinet Resolution(WXH)	72*144dots	96*192dots	128*256dots	168*336dots	128*256dots	168*336dots	192*192dots
7	Transparency	≥55%		0%		0%		
9	Pixel Density	20736 dots/㎡	36864 dots/㎡	65536 dots/㎡	112896 dots/㎡	65536 dots/㎡	112896 dots/㎡	147456 dots/㎡
10	Materail	Carbon Fiber				Carbon Fiber		
11	Empty Cabinet Weight	3KG				3KG		
12	Brightness	≥5000cd/㎡				1000cd/㎡		
13	View Angle	H 140° , W 140°				H 140° , W 140°		
14	Best View Distance	≥7m	≥5m	≥3m	≥3m	≥3m	≥3m	≥3m
15	Gray Scale	14~16bit				14~16bit		
16	Refresh Rate	> 3840HZ				> 3840HZ		
17	Frame changing frequency	60fps				60fps		
18	Input voltage	AC 86-264V/60Hz				AC 86-264V/60Hz		
19	Power Consumption (Max/Avg)	800/280W/㎡				800/280W/㎡		
20	Screen weight	14kg/㎡				14kg/㎡		
21	MTBF	>10,000 hrs				>10,000 hrs		
22	Service life	≥100,000 hrs				≥100,000 hrs		
23	IP Rate	IP65				IP43		
24	Temperature	Working: - 10℃ ~ +65℃ or Storage: - 40℃ ~ +85℃				Working: - 10℃ ~ +65℃ or Storage: - 40℃ ~ +85℃		
25	Humidity	10%-90%RH				10%-90%RH		
26	Max. Hanging Height	30 meters				30 meters		

Carbon Fiber Structure

Carbon Fiber material has strong toughness.the mold can bear 5,000kg of tensile force, and solves the lifting height limitation of die-casting aluminum rental cabinets.



LED cabinet

Carbon fiber frame

Weight Comparison

The panel weight is as light as 6.6kg, and the thickness is 20mm, all screen body anti uv, anti wind and low request for the structure’ s weight capacity, suitable for different application cases.

14KG

Die-casting Aluminum

500*1000mm panel

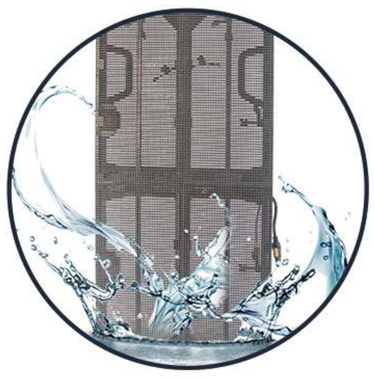
VS

6. 6KG

Carbon fiber

500*1000mm panel.

Details



High IP Grade

- Waterproof IP65
- Transparency 60%

Full Maintenance Design

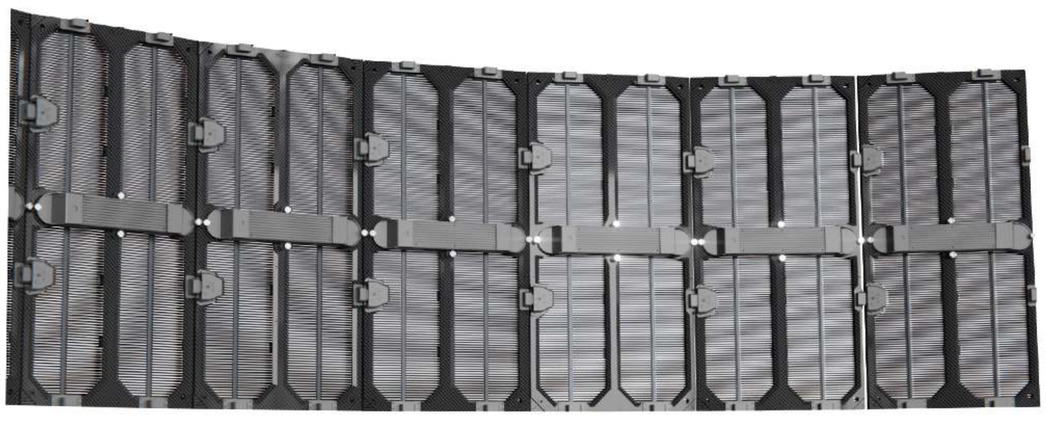
- Magnetic connection between modules
- Modules can be taken off front & rear

Arc lock

- Arc lock design
- ±10° adjustable

Versatile Splicing

High-precision die-cast arc lock brings higher curved flexibility;Panels allow mixed splicing and 90°splicing for more creative visual delivery.

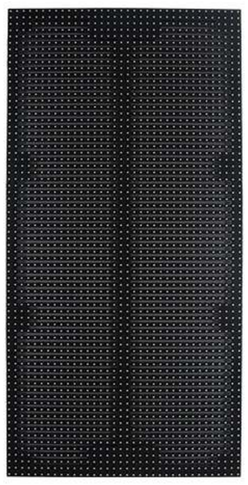


Curved splicing

90° splicing

Modular Design

Modules/cabinet frame and system box can be taken off separately,much easier to replace broken parts while maintaining.

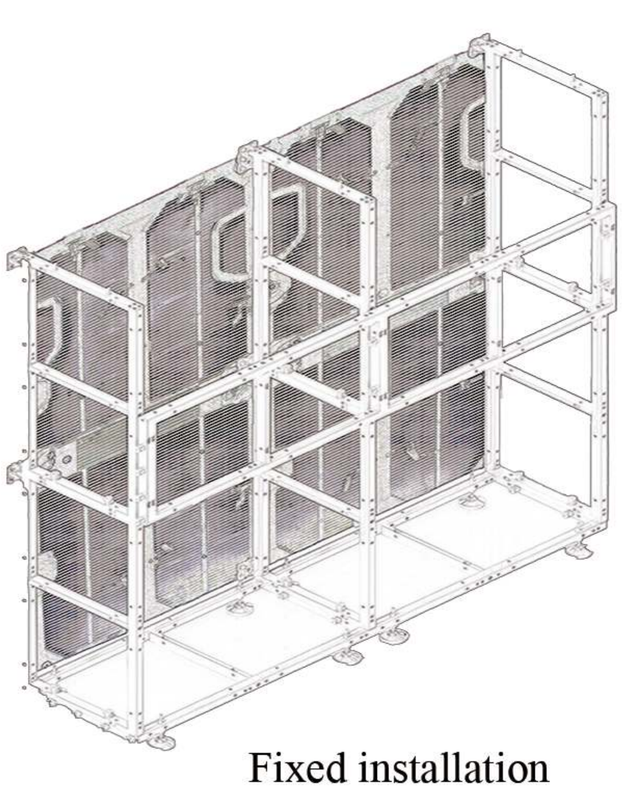


Front view

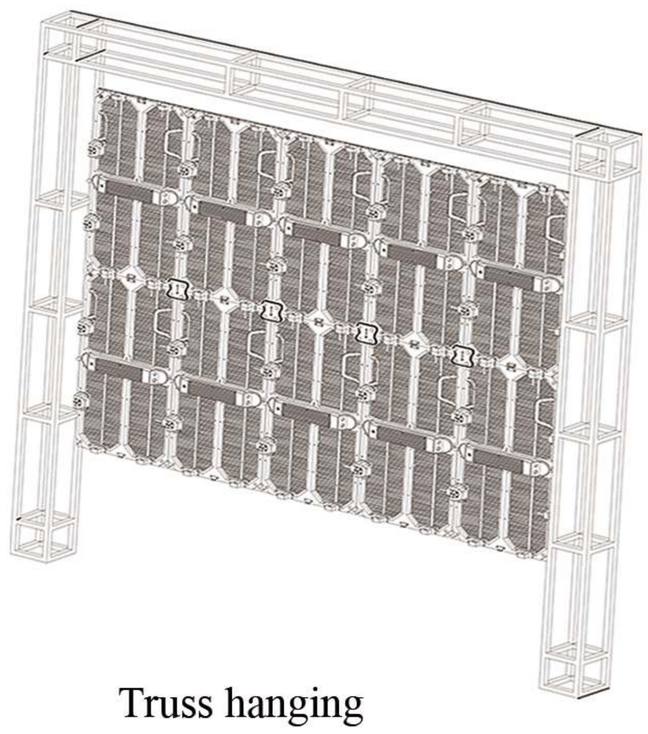
Back view

Installation Method

Hanging and fixed installation are optional. Applied to large-scale indoor and outdoor activities, the first choice for events especially concerts.



Fixed installation



Truss hanging