Product Specification

Datasheet



AV-OUTDOOR S SERIES

Product Version：V2. 1

Date：20240821

Declaration

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oduct Description

outdoor S series product, standard 500x500mm, 500x1000mm cabinet size, Chipone driving IC, refresh rate reach to 3840HZ. Cabinet adopts curve fast locks, can realize the arc splicing effect of 5-10 degrees of internal radian and 5 degrees of external radian.Stable cabinet structure, no deformation, the contact surface between cabinet is treated by anodic oxidation, which is resistant to collision and friction, satisfying multiple installation and disassembly in rental events

1.1 Application Scope

This technical specification is only applicable to outdoor S series product. Module size:250x250mm and supporting die-casting aluminum cabinet .

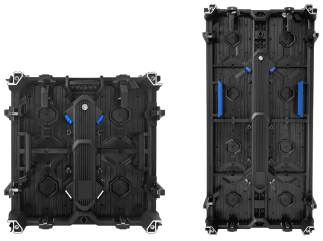
1.2 Product Features

- Module size:250mm*250mm, compatible pitch: SH 2.97, SH 3.91,SH4.81
- 500x500mm, 500mm*1000mm cabinet, stable die-casting alloy structure, not easy to deform
- Cableless and pluggable power supply, easy to change.
- Intelligent cabinet handle lock, single operation design, time-saving and labor-saving
- Foldable all-around corner protectors, effectively protect the edge leds and modules.
- Adopt high end big chip pure black leds, ultra-high contrast, high grey scale and high refresh rate；
- Curved function cabinet option, no need curved lock, can realize arc/ special-shaped, suitable for different rental events.

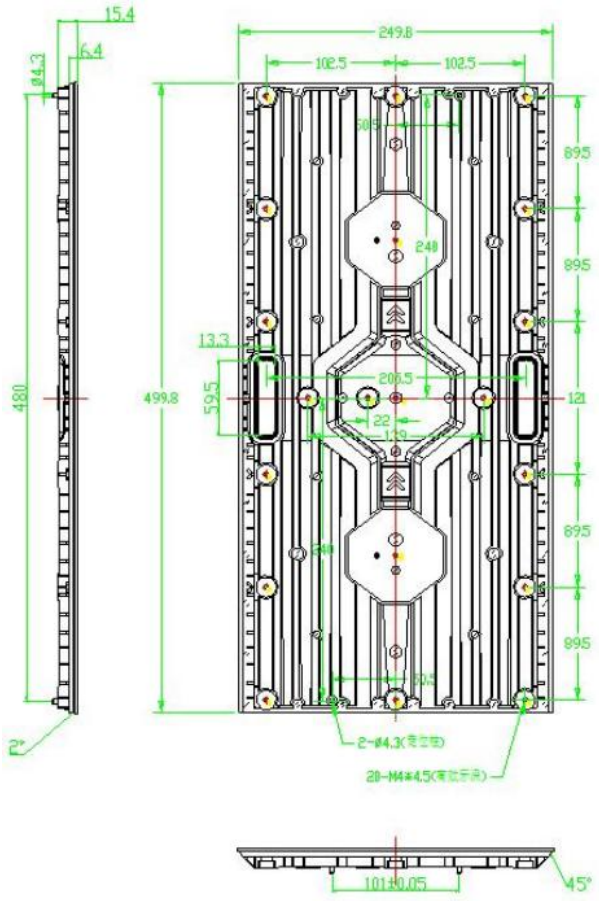
2. 250mmx500mm Module Specification

Item	Specification	Module Picture
Series	Ourdoor S Series Module	
Material	Plastic	
Pixel Pitch	2.97mm,3.91mm,4.81mm	
Resolution	84*168,64*128,52*104(W*H)dot	
Module Size	250*500(W*H)mm	
Module Weight	1.25kg	

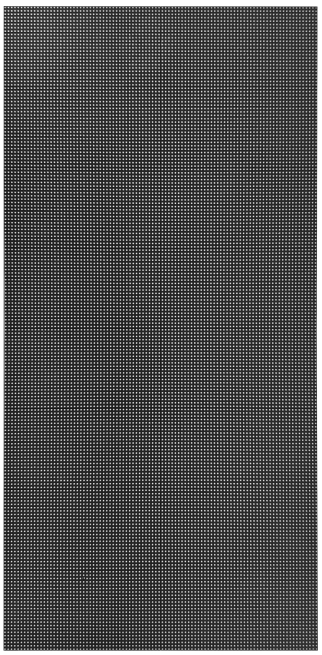
3. 500mmx500mm/1000mm Cabinet Specification

Item	Specification	
Series	Outdoor S Series Cabinet	
Material	Die-casting aluminum	
Pixel Pitch	2.97mm,3.91mm,4.81mm	
Resolution	168*168,128*128,104*104/ 168*336,128*256,104*208(W*H)dot	
Cabinet Size	500*500*83.5,500*1000*83.5(W*H*D)mm	
Cabinet Weight	7.48kg/11.97kg	

odule Dimension Structure



5. Module Picture

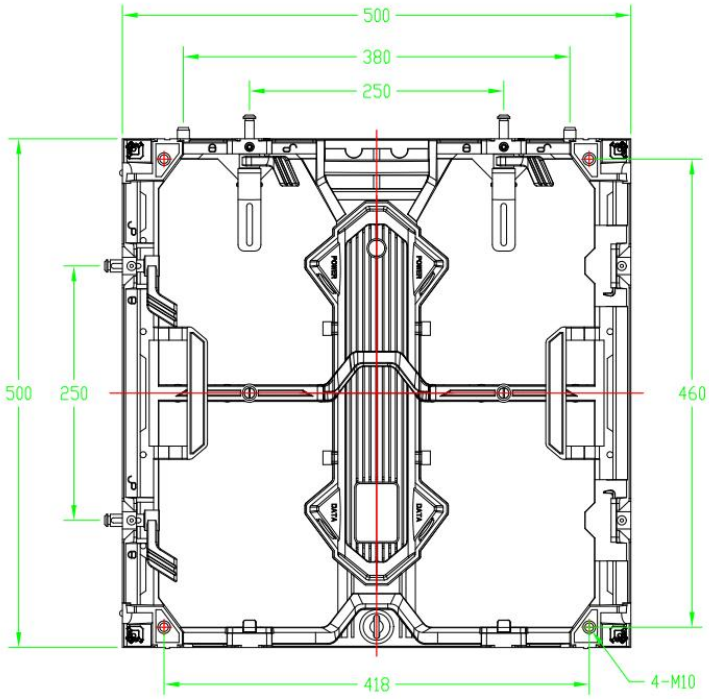


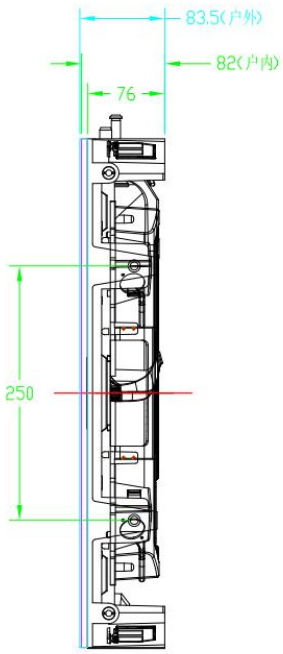
Front View

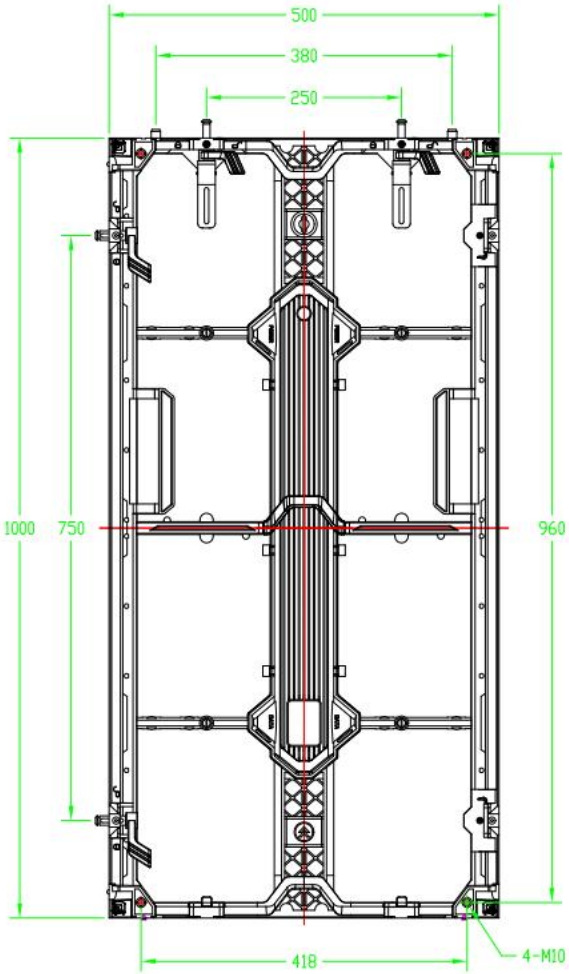


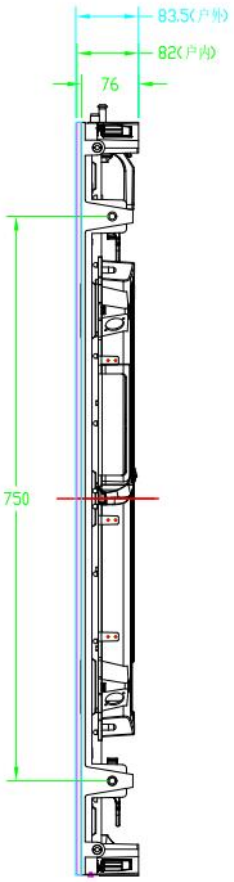
Back View

binet Dimension Picture









binet Picture



Front View



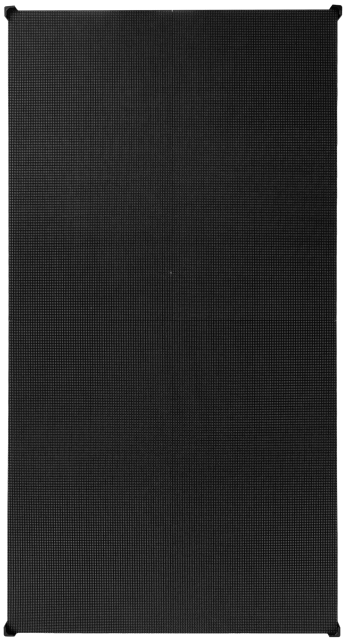
Back View



Front Side View



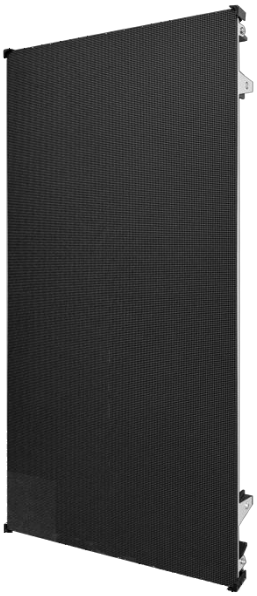
Back Side View



Front view



Back view



Front side view

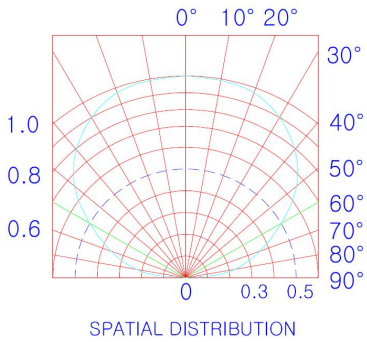


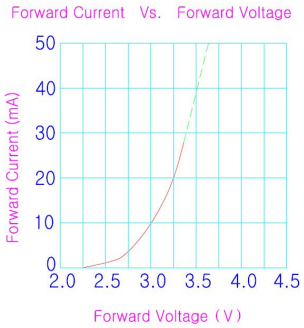
Back side view

chnical Parameter

Item	Type	SH2.97	SH3.91	SH4.81
Module Parameter	**Pixel Pitch (mm)**	2.97	3.91	4.81
	Pixel Structure	SMD 1R1G1B		
	Pixel Density(dot/㎡)	112,896	65,536	43,264
	Module Size(W*H)(mm)	250*500		
	Backshell Material	Plastic		
	Module Resolution(W*H)(dot)	84*168	64*128	52*104
	Maximum Current(A）	16		
	Supply Voltage(V)	DC4.2		
	Scanning Method	1/21	1/16	1/13
	Refresh Frequency(Hz)	≥3840		
	Illumination(cd/㎡)	4000-4500	5000-5500	4700-5000
	Driver IC	Constant Current Drive		
	Contrast Ratio	≥5000:1		
Cabinet Parameter	**Cabinet Size(W*H*D)(mm)**	500*500*83.5/ 500*1000*83.5		
	Cabinet Material	Die Casting Aluminum		
	Cabinet Weight(kg)	7.48 / 11.97		
	Enclosure Connection Method	Quick Lock		
	Installation/Maintenance Methods	Front or Back Installation/Front or back Maintenance		
	Color Temperature /Luminance Uniformity	3200-12000K Adjustable；≥98%		
	Chromatic Uniformity	± 0.003Cx, Cy		
	Horizontal/Vertical View	≥140°/≥120°		
	Single-point Color Correction	Yes		
	Single Point Brightness Correction	Yes		
	Standard Receiver Card	A5S PLUS		
	Frame Rate(Hz)	50/60		
	Protection Level	IP65		
	Signal Interface Mode	RJ45		
	Power Interface Method	Connector		
	Input Voltage Range AC(V)	100-240		
	Peak Power Consumption(W/㎡)	≤600		
	Average Power Consumption(W/㎡)	≤300		
	Working Temperature and Humidity Range	-20℃～+50℃,10%～95%RH		
	Storage Temperature and Humidity Range	-40～+70℃,10%～95%RH		
	Service Life(H)	≥100000		
	Mean Time Between Failure(H)	≥10000		

ptical Feature

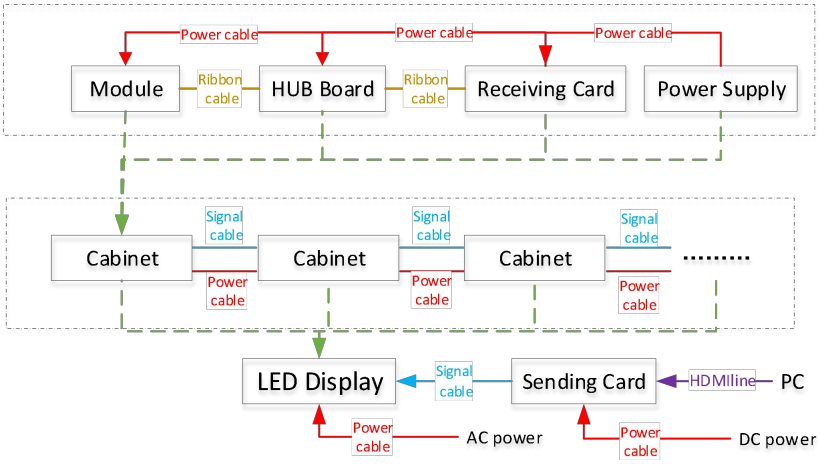




Luminous Diagram

Voltage-current Curve of Lamp

9. Connecting Diagram



10. Packing and After-sale Service

10.1 Packing

Plywood case/Honeycomb carton/Flight case option



10.2 After-sale Service

If need any help during using display, please for free to contact your salesman.