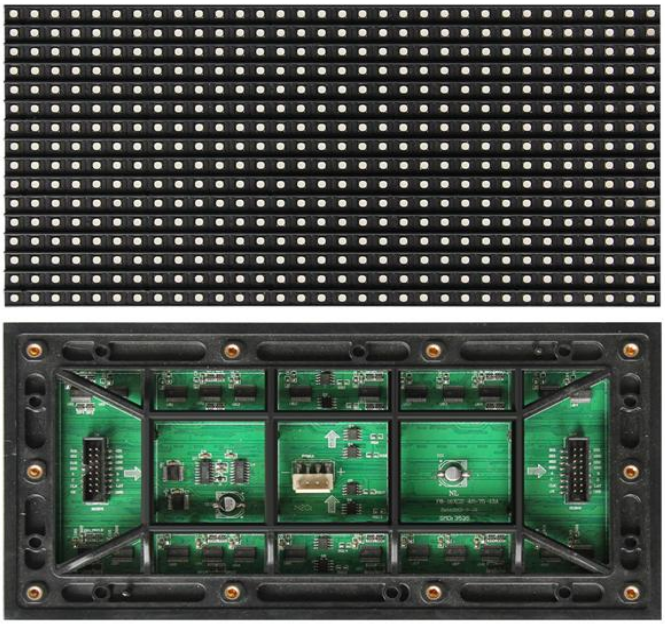
Outdoor P8 Technical Parameters

1.1、 LED Lamp

LED	LED Type	Brightness	Wave length（λP）	Wire	Chip Brand	Chip Type
horizontal View angle		≥120°				
Vertical view angle		≥120°				
Color scale		256*256*256=16777216 色				
LED Encapsulation Brand		Hongsheng SMD3535				
Luminescent Tube Packaging Adhesive		Korea imported packaging glue - anti-ultraviolet ray, easy to defoam, good moisture resistance, high temperature resistance, uniform light transmission, high hardness				
Note	1. The color consistency of the screen is controlled within 2 nm. 2. The brightness uniformity ratio of the whole screen LED is 1:1.2 times, and the brightness of the screen body is more than 5500 cd/. 3. Strictly according to brightness 3:6:1, the wavelength error does not exceed 1.5 nm to ensure the consistency of the brightness of the display screen.					

1.2、LED Module

模　组


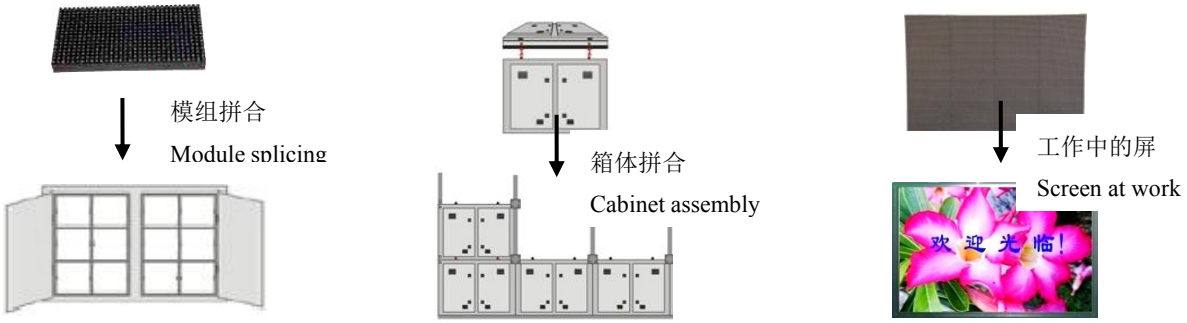
Dimension（W×H）	**320mm×160mm**	Type	**Lamp and Driver separated**
Pixel Pitch	8mm	Resolution（Dot/ m^2）	15625Dot/ m^2
Module resolution（W×H）	40Dot×20Dot	The Number of lamp（个/ m^2）	15625pcs/ m^2
LED Type	SMD3535	LED Configuration	1R+1G+1B
House of module	Raw Material: Imported PC base material, durable, anti-deformation life of 10 years.		
	Technologies: Develop new kits by ourselves, solve the long-standing mosaic phenomenon of old kits through optical principle;		
Module Edge Design	The clamping teeth between the modules make the modules more compact when they are loaded into the box.		
Mask	No fracture or crease. No more glue, less glue, burr, batch peak, shrinkage, blister; color difference, shadow, whitening, weld marks and other undesirable phenomena.		
Protection	Three oil-proof modules (moisture-proof, ash-proof and static electricity-proof)		
PCB Board	separated lamp and driving ic.		
Connector	All of the sockets of signal transmission interface are specially made by our company (from needle size, coating are specially treated), and the tests of high, low temperature, soaking water, salt spray and humidity are carried out strictly in accordance with the national standards.		
Driving IC	ICN 16380		

1.3、Cabinet

Dimension（W×H×H）	960mm×960mm×120mm
Resolution/cabinet	120dot×120dot

Avg. Power consumption（W/m²）	450～ 500 W/㎡ （于播放的视频源有关）	Max power consumption（W/m²）	900W/m²
Num of cabinet	W × H = 箱	Material	Iron
Receiving card	The receiving card uses RG45 to transmit the signal, which ensures that the signal attenuation is small and the problem of bad contact after using for a period of time will not occur.	Weight	38KG/ m²
White Balance	When adjusting the white color, the company strictly conforms to the American international standard CIE1931 chroma standard, and uses high-precision light gun to measure the average value many times.		

1.4、Screen Parameter



No.	Item Name	Parameter
1	Screen Dimension	Width___m×Height___m
3	Resolution	Width___Dot×Height__Dot
4	Num of Module	W__Pcs×H__Pcs=___Pcs
5	Num of Cabinet	W__Pcs×H__Pcs=___Pcs
6	Pixel Pitch	8mm
7	LED Type	R、G、B（2525）
8	LED configuration	1R1G1B
9	Resolution	15625 点/m²
10	Module Size	320mm×160mm
11	Module resolution	40 Dot×20Dot

12	View angle	H≥160° V≥140°
13	Best View Distance	8～120M
14	Work Temperature	-25℃ ～ +55℃
15	Humidity	10%～95%
16	Avg. Power consumption	450～ 500 W/㎡
17	Max. Power consumption	900W/㎡
18	Voltage	AC220V±10%，50/60Hz
19	Power supply	5V/40A、5V/30A
20	Lightning protection	Lightning protection of power supply
21	Driving method	1/4constant current
22	Refresh rate	≥3840HZ
23	Frame rate	≥60Hz
24	Grey scale/color	256Level
25	Gray level correction	Level 2 Nonlinear Gray Level Correction, Red, Green and Blue Correction Curves
26	Driving IC	ICN 16380
27	**Brightness**	**≥5500cd/m²**
28	Brightness adjustment mode	Software level 100 adjustable, according to different ambient brightness automatically or manually adjust the display brightness
24	Color temperature	3200K-9300K adjustable
25	MTTF	≥10000 hour
26	Life span	≥100000hour Continuous working hours: > 48 hours
27	flatness	Arbitrary adjacent pixels < 0.5mm; module splicing clearance < 1mm
28	uniformity	Pixel intensity and module brightness are uniform
29	Dead rate	≤1/10000
30	Contents	AV/CVBS/VGA/DVI/HDMI/SDI/DP
31	Signal resource	RF、S-Video、RGB、RGBHV、YUV、YC、COMPOSITION 等
32	Operation system	WIN 98/ 2000/ XP
33	Control way	Synchronous
34	Control system	Video Processor+DVI Graphics card+Master card+Data wire
35	Effective communication distance	Network line 140 m (no relay), multi-mode fiber 500 m, single-mode fiber 20 km
36	Temperature control	With ventilation and cooling system.

37	Quality and safety standards	CE、CCC、ISO9001:2008、ROHS
38	Protection function	Waterproof, salt fog, moisture-proof, insect-proof, dust-proof, corrosion-proof, lightning-proof, electromagnetic interference-proof and flame-retardant. Electrical protection: overcurrent, circuit breaking, short circuit, overvoltage, undervoltage, overtemperature, overload, power failure (10 years effective)