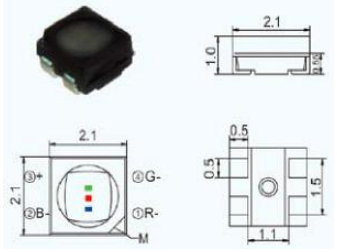
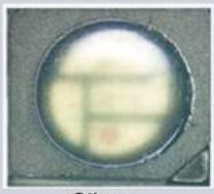
PH3.91mm SMD 3in1 Indoor Full Color LED Display Screen

Model	UNIT-P3.91-IR-500X1000

1.LED

Color	Model	Package	Intensity	View Angle	Wavelength	Test Cond.
	SMD2121	SMD 3 in 1	150mcd	140/140	625nm	25℃,20mA
		SMD 3 in 1	400mcd	140/140	520nm	25℃,20mA
		SMD 3 in 1	100mcd	140/140	467nm	25℃,20mA

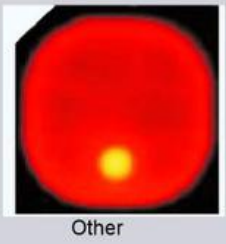
The Indoor LEDs we choose have the high reliability and contrast,wide view angle and good consistency which meet the need of high refresh rate,high gray scale and keep natural color at one time with best color uniformity.



Other



Unit LED



Other



Unit LED

1. High contrast
Matte encapsulation with non-mirror reflection

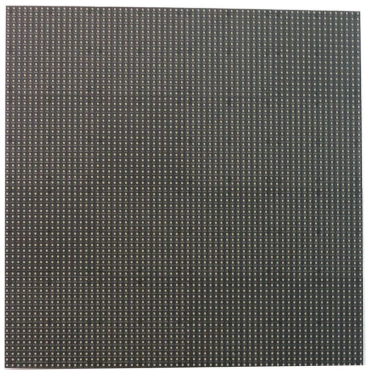
2. Good cost-performance
Qualified material, copper substrate, and gold wire

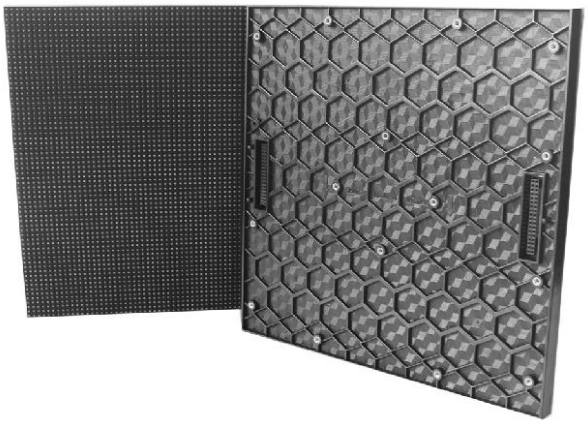
3. Good consistency
Strict binning, no color difference and pitting

4. High reliability
Moistureproof design and low failure rate

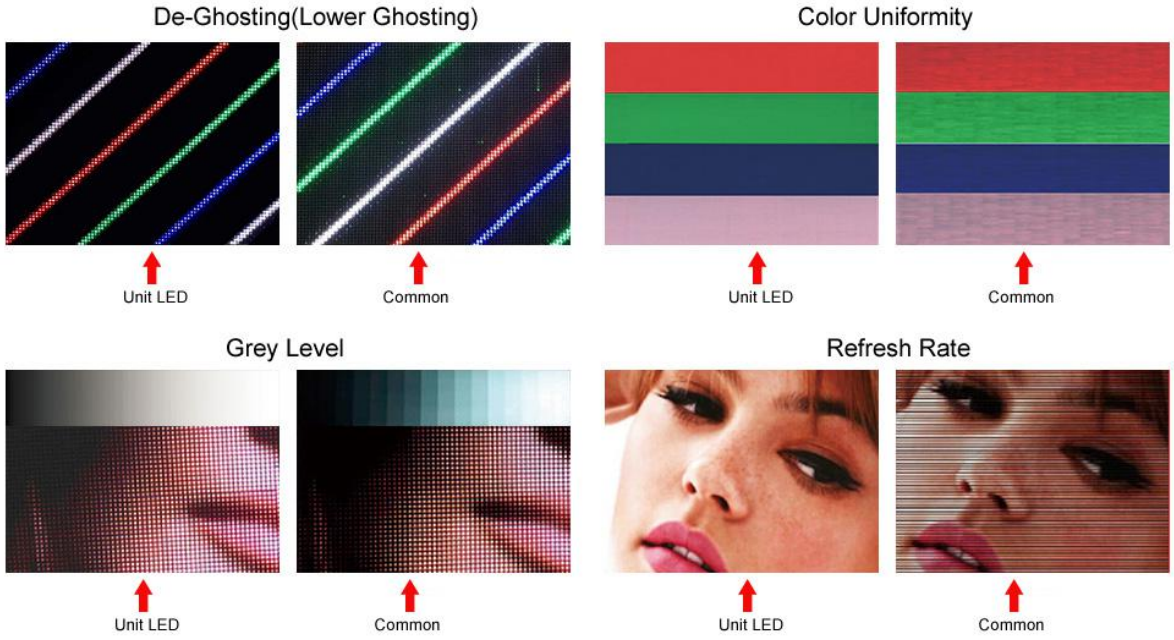
5. Long lifespan
Good thermal dissipation, low luminous degradation and power consumption

2.LED Module





To achieve the best visual performance of our indoor and outdoor led display,we use the best Driving IC,such as MBI5124,MY9868 with high refresh rate,high grey level with latest technology.



Resolution	64(H)×64(V)
Pitch	3.91mm
Density	65746 pixels/㎡
LED Arrangement	SMD2121
Driver Mode	Dynamic 1/16 Duty constant current
Size	250mm×250mm
Mask	Pure Black mask-high contrast screen

3.LED Cabinet





Resolution	128(H)×256(V)
Size	**500mm× 1000mm**
LED Modules	2x4=8 pcs
Weight	About 12.8 kg

4.Electricity Parameter	
Optical Ratings	
Brightness	≥1200cd/㎡
View Angle	140 degree (horizontal) 140degree(vertical)
View Distance	3.91m-40m
Gray Scale	8bits input, correction with 14bits
Display Color	16.7M
Brightness Adjustment	100 levels
Power Supply	
Operation Power	AC100-240V 50-60HZ Switch-able
Maxim Power Consumption	850 W/m2
Average Power Consumption	320 W/m2
Control System	
Correction Scale Level	16bits
Frame Update Frequency	60Hz
Screen Refresh Frequency	≥1920Hz
Gamma Correction	-5.0—5.0
Support Input	Composite Video, S-Video, DVI, HDMI., SDI, HD_SDI
Control Distance	Ethernet cable 100m, optical fiber 5km
Support VGA Mode	800×600,1024×768,1280×1024,1600×1200
Color Temperature	5000-9300 adjustable
Brightness Correction	dot by dot, module by module, cabinet by cabinet
Reliability	
Operating Temp.	-20-60 Celsius degree
Operating Humidity	10-95% RH
Operating Life	100,000 hours
MTBF	5000 hours
Continuous Working Time	≥48 hours
Protection Level	IP54
Out of Control Pixel Rate	0.01%