PH16mm SMD 3in1 Outdoor Full Color LED Display Screen

Model	LINSN-P16-OF-1024X1024

1.LED

Diagram	Model	Color	Intensity	View Angle	Wavelength	Test Cond.
	SMD 3535	(red)	750mcd	140/140	620nm	25℃,20mA
		(green)	2100mcd	140/140	520nm	25℃,20mA
		(blue)	530mcd	140/140	470nm	25℃,20mA

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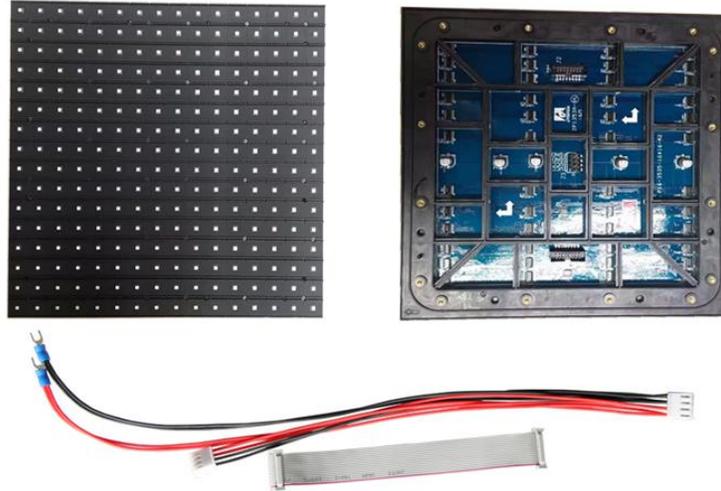

1. High brightness
White len, high luminous intensity

2. High contrast
Black coating, matte encapsulation with non-mirror reflection

3. High reliability
Dust-proof, Water-proof, UV-proof

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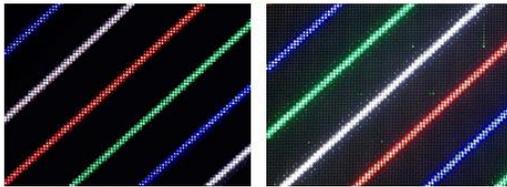Good thermal dissipation, low luminous degradation and power consumption

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,SUM16136 with high refresh rate,high grey level with latest technology.
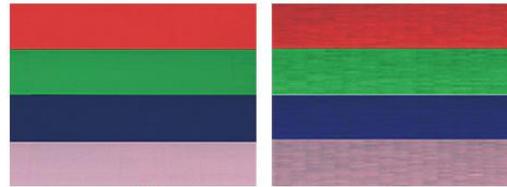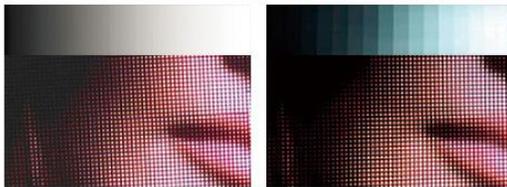

| Resolution	16(H)×16(V)
Pitch	16mm
Density	3906 pixels/㎡
LED Arrangement	SMD3535
Driver Mode	Static 1/1 Duty constant current
Size	256mm×256mm
Mask	Pure Black mask-high contrast screen

3.LED Cabinet
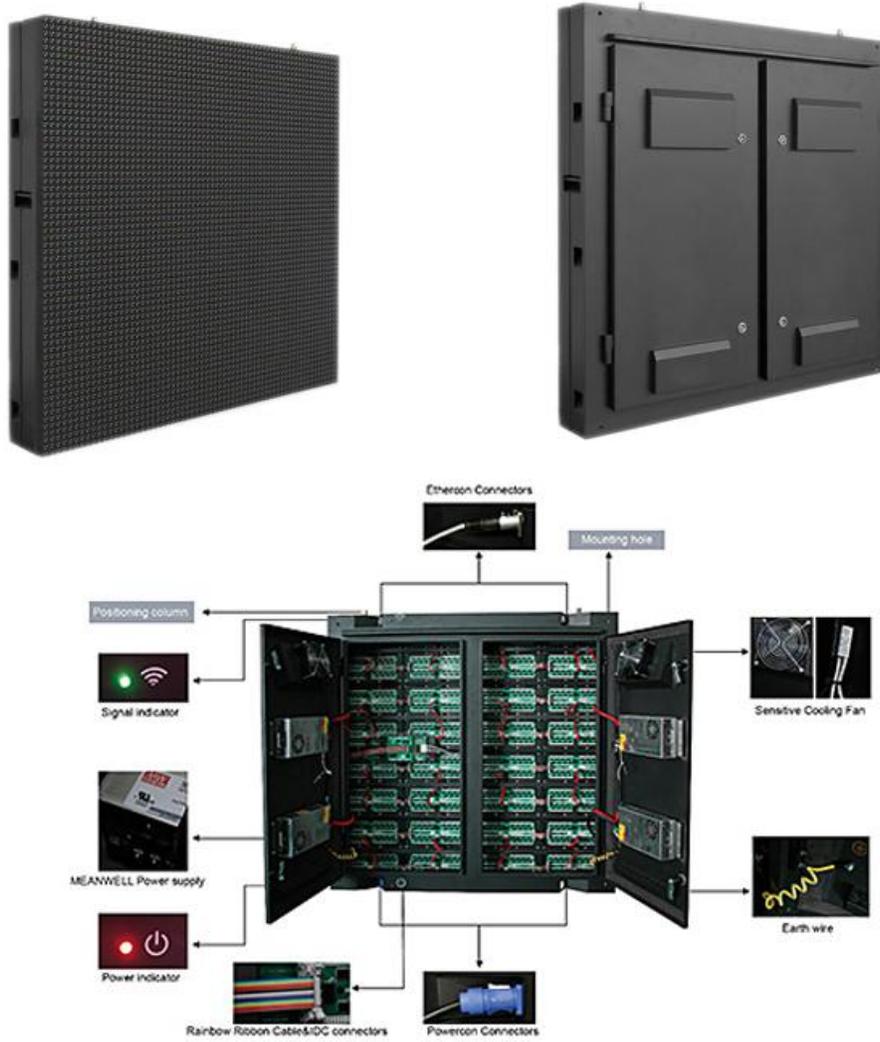
The Cabinet Pictures Only For Referrence,Cabinet can be Customized

Resolution	64(H)×64(V)
Size	1024mm×1024mm
LED Modules	4x4=16 pcs
Weight	About 55 kg

| **4.Electricity Parameter**	
Optical Ratings	
Brightness	≥6500cd/㎡
View Angle	140 degree (horizontal) 140degree(vertical)
View Distance	16m-160m
Gray Scale	14bits input, correction with 16bits
Display Color	16.7M
Brightness Adjustment	0-100 levels
Power Supply	
Operation Power	AC100-240V 50-60HZ Switch-able
Maxim Power Consumption	880 W/m2
Average Power Consumption	350 W/m2
Control System	
Correction Scale Level	16bits
Frame Update Frequency	60-75Hz
Screen Refresh Frequency	960-2000Hz
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	IP65
Out of Control Pixel Rate	0.01%

◆ **Solution for your 4mx3m LED Screen size**
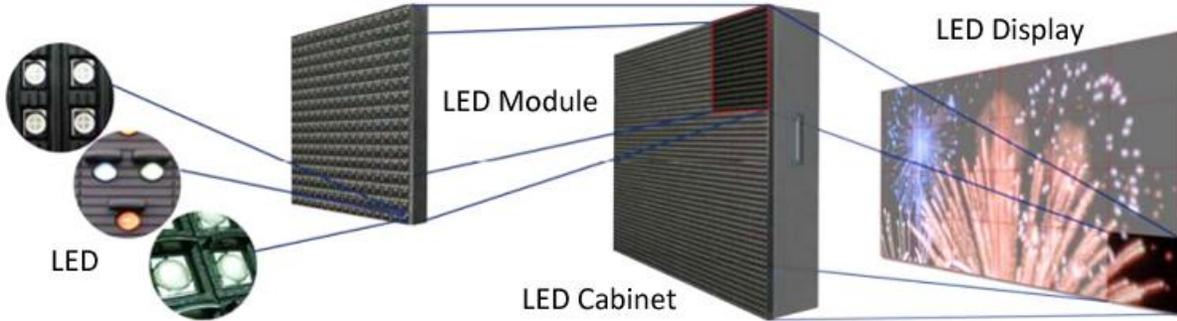
Total Cabinets Quantities on the Screen(pc)	4x3=12 pcs
Total Pixels on the Screen(dot)	640(L) * 480 (H)
Final LED Screen Size(m2)	**3.84m x 2.88m**
	For your 4mx3m LED Screen size

LED Displays System

1. **LED Display Body**
2. **Control system**
3. **Power Input**
4. **Installation Structure**

For additional functions, there are relative equipments, as follows:

1. **Amplifier/sound**
2. **Exterior Video Signal Source**
3. **Cooling System**

LED Displays & Control System

Control PC/IPC → Sending Card → Receiving Card → LED Displays
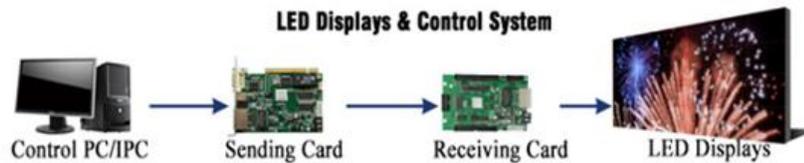
LED Displays System Diagram
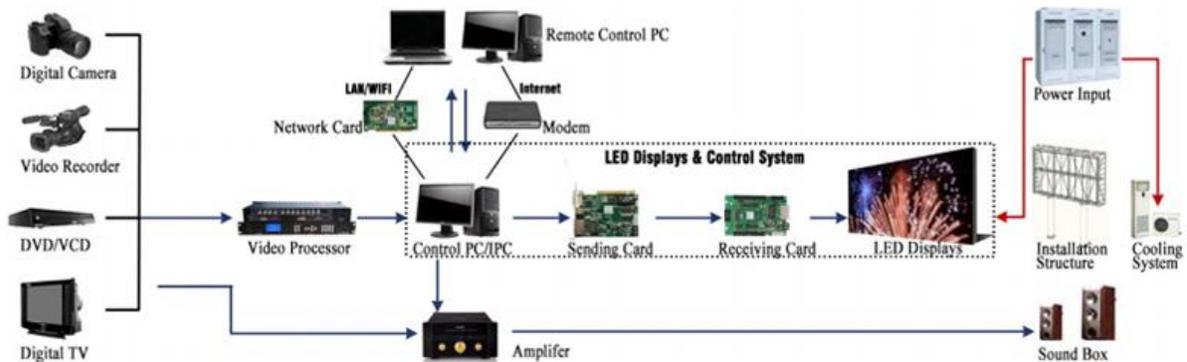
5.Packaging

Packing Way	Three unit boxes packed into one
Packing box size (mm)	1050 * 1150 * 600
Packing box size (CBM)	≈0.75 CBM/box
Packing gross weight(kg)	≈160 kg/box

Quotation & Terms:

NO	Item		Descriptions	Qty		Unit Price (USD)	Amount (USD)
1	**LED Display**	LED Cabinet	Size: 1024mm(W) x1024mm(H) Material: Steel Cabinet	12			
		LED Display	**3.84m x2.88m**				
2	**Control System**	Data Sending Card	LINSN-TS802D	1	pc		
		Data Receiving Card	LINSN-RV908M	12	pc		
		Multi Function Card	LINSN-EX902D with Sensor	1	Pc		
		Video Processor	LVP605S with HDMI,SDI Input	1	Set		
		Software	LEDStduio	1	set		
3	**Packing**	Polywood Case(Non-Timber)	Four Units Packed into one	3	Pc		
Total Price			**USD EXW SHENZHEN**				

REMARKS:
• Above price is based on **EXW Shenzhen** term,**Epistar LED**,**CE/UL Meanwell Power Supply,2% Spare Parts**.**Wooden Box P**
• **Cabinet material:** Cold rolled steel Cabinet.
• **Payment terms:** T/T 30% as deposit before production, T/T 70% balance before delivery.
• **Production lead time** : 10-12 days after receiving 30% deposit.
• **Warranty is for 2 years**
  In the warranty time, we will maintain and replace the module for free,Customer should pay for the shipment fee.After that, we only charge the material cost, customer should be responsible for shipment.
• **Technical Service:**
  We also provide the operation manual, software, and so on. Any associated CAD drawing on how to fix up the display and some other expert suggestion will be provided upon request.
• **Free training:**
  Regarding Training course, usually we provide customer at most one week for training which includes the software operation, basic repairing, installation, adjustment, etc.
• **Technical Support:**
  We can send our engineer to guide the installation for you. But the relevant cost should be paid by your esteemed comp as visa, hotel, food, plane ticket for back and forth,and also your esteemed company should pay our staff USD100/day/s (from our engineer's departure from Shenzhen) and should help to arrange our staff visa

Spare Parts List :				
Item			**Quantity**	**Remarks**
1	1	Sending card	0	Control system backup
	2	Receiving Card & Hub Card	1	
2	3	LEDs	40	Key components of the LED Display body backup
	4	LED Module-3% Spare Parts	2	
	5	Driving IC	10	
	6	Module Mask	2	
	7	Screws of Module Mask	20	
	8	Screws for LED Module	20	
	9	LED Power Supply(PSU)	2	
	10	Cooling Fan(pcs)	2	
	11	Main Power Cable(5m Long Each)	1	
	12	Main Signal Ether RJ45Cable(20m Long)	1	
	11	PowerCon of LED Cabinet(pcs)	2	
	12	Power Cable of Module(pcs)	12	
	13	EtherCon of LED Cabinet(pcs)	2	
	14	Flat Data Cable(16-pin) of Module(pcs)	12	
3	16	User manual of the LED display(English version)(set)	1	User manual for the LED display's convenient using, installation , maintenance
	17	User manual of the control system(English version)(set)	1	
	18	User manual of the installation(English version)(set)	1	