


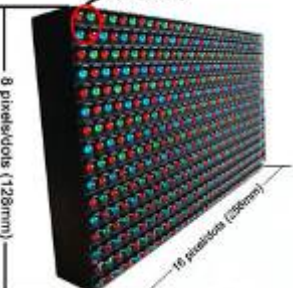



LED displays Products catalogue

Outdoor full color LED display

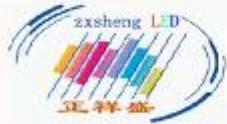
Module specifications

Item	Module pictures	Parameters
P10 --Hot	 	LED composing: 1R, 1G, 1B LED e Size: 160mm× 160mm Module resolution:16×16 Scan Model: 1/4 scan constant current Brightness: 6000 cd or nits per sq.m
p12(1/4 Scan)		LED composing: 2R, 1G, 1B Size: 192mm× 192mm Module resolution:16×16 Scan Model: 1/4 or 1/2 scan constant current Brightness: 6000(1/4 scan)/8000(1/2 scan) cd per sq.m
P16 Real & Virtual	 	LED composing: 2R, 1G, 1B Size: 256mm×128mm

Contact: Annie zhao

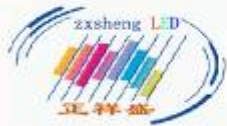
[mail.com](mailto:annie.zhao@zxsheng.com) (s

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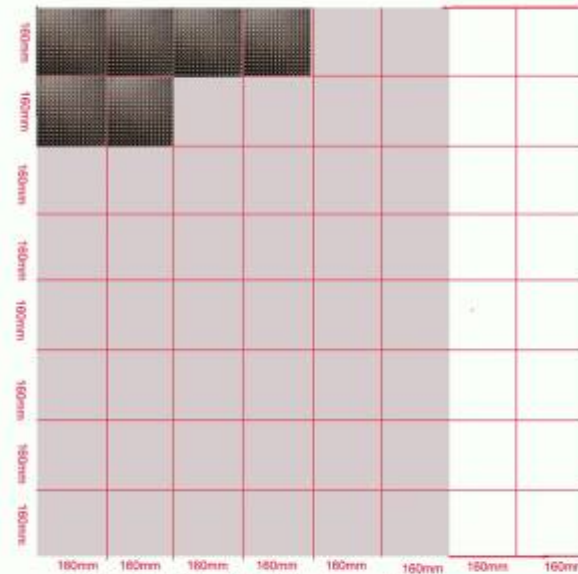


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Shenzhen Zhengxiangsheng Optoelectronic Tech. Co., Ltd

			Module resolution: 16×8
			Scan Model: static / static virtual scan
			Brightness: 8000 cd per sq.m
P20 Real & virtual			LED composing: 2R, 1G, 1B
			Size: 320mm×160mm
			Module resolution: 16×8
			Scan Model: static real / virtual scan
			Brightness: 6000 cd per sq.m
P22			LED composing: 2R, 1G, 1B
			Size: 320mm×160mm
			Module resolution: 16×8
			Scan Model: static real or static virtual scan
			Brightness: 6000 cd per sq.m
P25			LED composing: 2R, 1G, 1B
			Size: 200mm×200mm
			Module resolution: 8×8
			Scan Model: static scan
			Brightness: 4500 cd per sq.m



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Standard cabinet size: 1280×960mm(gray area)
Maximum size: 1280×1280mm (8×8 pcs modules)
Other size according to width and height of the complete display



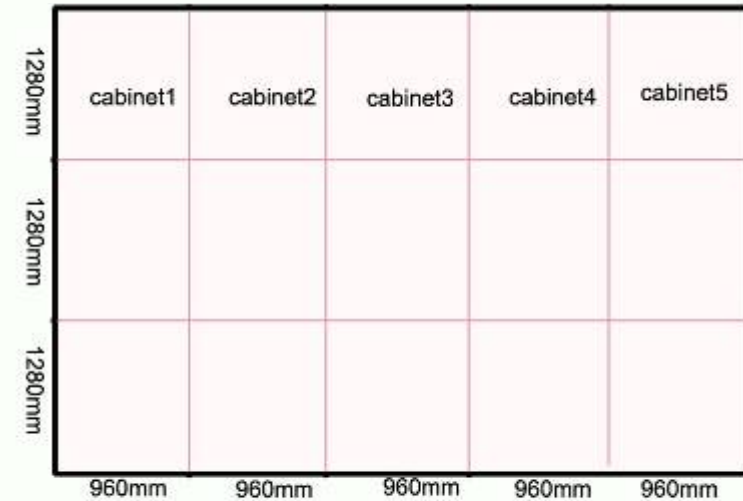
cabinet

LED

CABINET



Complete data sheet



Usually, the complete display W:H=4:3, 16:9 and 21:9
it depend on customer's require

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Item		P10	P12(1/4 scan)	P12(1/2 scan)	P16(real pixel)	P16 (virtual pixel) ①	P20	P22	P25	
Pixel information	pixel pitch(mm)	10	12	12	16	16	20	22	25	
	pixel density (dots/sq.m)	10000	6944	6944	3906	3906	2500	2066	1600	
	pixel encapsulation	DIP 346	DIP 346	DIP 346	DIP 546	DIP 546	DIP 546	DIP 546	DIP 546	
	LED compositing	1R1G1B	2R1G1B	2R1G1B	2R1G1B	2R1G1B	2R1G1B	2R1G1B	2R1G1B	
	LEDs Chip	Optotech / Silan								
	LEDs Wavelength(nm)	R: 620-625; G: 520-525; B: 465-470								
Module & cabinet dimension	Module Resolution(dots)	16×16	16×16	16×16	16×8	16×8	16×8	16×8	8×8	
	Module Dimension(mm)	160×160	192×192	192×192	256×128	256×128	320×160	352×176	200×200	
	standard Cabinet size(mm)②	960×1280	1152×1152	1152×1152	1024×1024	1024×1024	1280×960	1056×1056	1000×800	
	Module Quantity of each cabinet	6×8	6×6	6×6	4×8	4×8	4×6	3×6	5×5	
Viewing	Brightness(cd/sq.m)	>6000	>6000	>8000	>8000	>8000	>6000	>5000	>5000	
	Color grade	256×256×256								
	Colors	16.7 M								
	Slot between Neighboring Modules(mm)	<1								
	Recommended Viewing Angle(H/V)	110°/65°								
	Best Viewing distance(m)	>10	>12	>12	>16	>16	>18	>20	>22	



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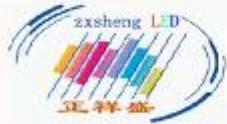
Control system	Scanning Mode	1/4 Scan constant current	1/4 Scan constant current	1/2 Scan constant current	Static constant current				
	Control system	Pixel to Pixel Synchronous or Asynchronous Control System							
	Refresh Rate	More than 400Hz, Adjustable							
	Signal Input	DVI, Composite Video for Live Video							
Working Power	Input Voltage	110±10V, 220±10V AC, 50/60Hz							
	Max Power Consumption (W/sq.m)	300	300	400	400	400	400	250	300
	Avg.Power consumption (W/sq.m)	900	900	1000	1000	1000	1050	950	650
Working environment	Working Temperature	-20°C~60°C							
	Working Humidity	10%~90%RH							
	Protect grade	IP65							
Packing	packaging								
	Net Weight (kg/sq.m)	65	65	65	63	63	61	61	60
Others	Life span(Hours)	100,000							

Notes:① Real pixel and Virtual pixel: Real pixel has 24 Drive IC for each module, but Virtual Pixel has 32 Drive IC each module, user can check the Back of the module.

②Standard cabinet size means this size have been used most time, in fact, there are many combination method, it all depended by complete display that customers required.

Truck LED display

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Full color: Mostly use P10, P12, Big Truck LED display can choose P16 full color;
Single or dual color for message display: P10, P16, P20 are suitable, it is depended by the exactly conditions or purpose.



Stadium LED display

Rental LED display for advertising or stage (Hanging up with Truss)





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Traffic indicator(Ultra- brightness LED lamps)



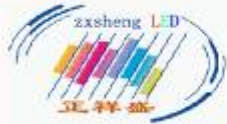
Outdoor advertising—Full color LED display

P10 & P12: usually for the display less than 12 sq.m, High resolution for near watching.

P16: Widely use in outdoor full color advertising, from 10 sq.m to 100 sq.m. or even for hundreds of sq.m

P20: More economical for gaint LED display.

P20 virtual: If you want better effect with less cost, you can choose that type, many user will choose this type to instead of P16 to save cost.



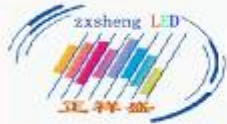
Indoor full color LED display(SMD 3 in 1)

Module specifications

Item	Module picture		Parameters
P6			LED composing: 1R, 1G, 1B
			Size: 192mm× 96mm
			Module resolution: 32×16
			Scan Model: 1/8 scan constant current
			Brightness: 1500cd or nits per sq.m
			Working consumption: 16W
p7.62			LED composing: 1R, 1G, 1B
			Size: 244mm× 122mm
			Module resolution:32×16
			Scan Model: 1/8 scan constant current
P8			LED composing: 1R, 1G, 1B

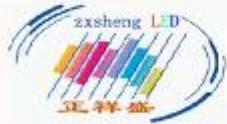
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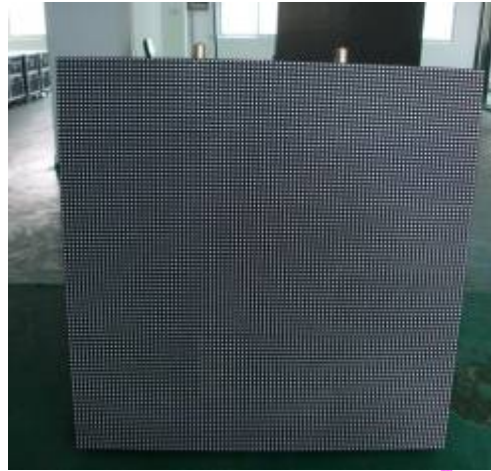


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			Size: 256mm×128mm
			Module resolution: 32×16
			Scan Model: 1/8 scan constant current
			Brightness: 1300 cd per sq.m
P10			LED composing: 1R, 1G, 1B
			Size: 160mm×160mm
			Module resolution: 16×16
			Scan Model: 1/8 or 1/4 scan constant current
			Brightness: 1000 cd/sq.m (1/8 Scan) 1300 cd/sq.m(1/4 scan)
P12			LED composing: 1R, 1G, 1B
			Size: 320mm×160mm
			Module resolution: 16×8
			Scan Model: 1/4 scan constant current
			Brightness: 6000 cd per sq.m



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Iron waterproof cabinet



Shopping mal LED display

Government / Office building



Shop Showcase

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Complete data sheet

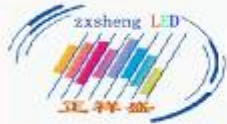
Item		SMD 3 in 1 INDOOR full color led display					
		P6	P7.62	P8	P10 (1/8 scan)	P10 (1/4 scan)	P16
Pixel information	pixel pitch(mm)	6	7.62	8	10	10	16
	pixel density(dots/sq.m)	27776	17222	15625	10000	10000	3906
	pixel encapsulation	SMD 3528	SMD 3528	SMD 3528	SMD 3528	SMD0805	SMD0805
	LED composing	1R1G1B					
	LEDs Chip	Optotech / Silan / Alex					
	LEDs Wavelength(nm)	R: 620-625; G: 520-525; B: 465-470					
Module & cabinet dimension	Module Resolution(dots)	32x16			32x16	32x16	16x8
	Module Dimension(mm)	192x96	244x122	256x128	320x160	320x160	256x128
	Cabinet size(mm)	768x768	732x732	768x768	1024x1280	1024x1280	1024x1024
	Module Quantity of each cabinet	4x8	3x6	3x6	6x8	6x8	4x8
Viewing	Brightness(cd/sq.m)	>1500	>1300	>1300	>1000	>1300	>1000
	Color grade	256x256x256					
	colors	16.7M					
	Slot between Neighboring Modules(mm)	<0.5					
	Recommended Viewing Angle(H/V)	140°/70°					
	Best Viewing distance(m)	>4	>6	>6	>8	>8	>14
Control system	Scanning Mode	1/8 Scan constant current				1/4 Scan constant current	1/4 Scan constant current
	Control system	Synchronous or Asynchronous Control System					
	Refresh Rate	More than 400Hz, Adjustable					



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	Signal Input	DVI, Composite Video for Live Video					
Working Power	Input Voltage	110±10V, 220±10V AC, 50/60Hz					
	Max Power Consumption (W/sq.m)	750	600	600	400	800	220
	Avg.Power consumption (W/sq.m)	450	350	350	260	500	150
Working environment	Working Temperature	-20℃~60℃					
	Working Humidity	10%~90%RH					
	Protect grade	IP65/IP54 (Iron waterproof cabinet); Simple cabinet is available for indoor LED display					
Packing	packaging	Wooden/Flight case					
	Net Weight	48kg/sq.m	46kg/sq.m	46kg/sq.m	45 kg/sq.m	46 kg/sq.m	43 kg/sq.m
Others	Life span	100,000 hours					

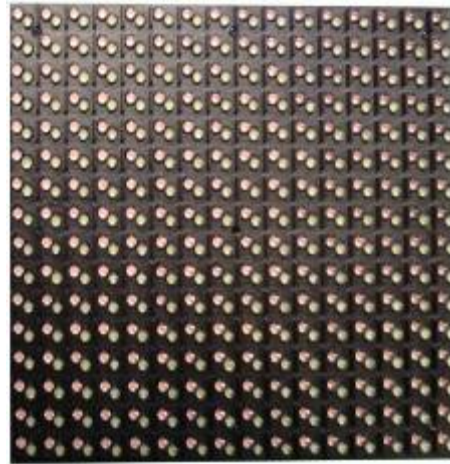
Single and dual color LED display Outdoor



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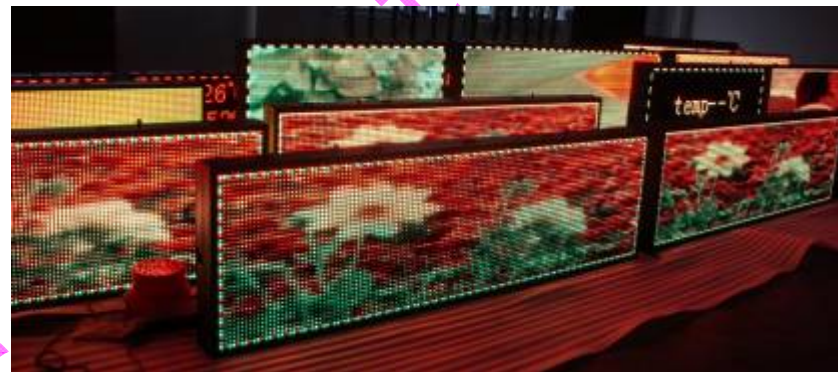
P10 Single Red



P10 dual color(1R1G)



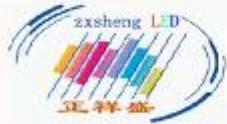
P16 Dual color(2R1G)



Parameters

Pixel Pitch	P10	P12	P16	P20	P25
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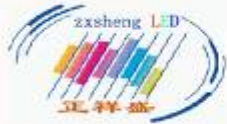


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	Single red	Dual color	Single red	Dual color	Single red	Dual color	Single red	Dual color	Dual color	Dual color
pixel encapsulation	DIP 546	DIP 346	DIP 546	DIP 346	DIP 546	DIP 546	DIP 546	DIP 546	DIP 546	DIP 546
LED composing	1R	1R, 1G/ 1R,1B	2R	2R, 1G/ 2R,1B	2R	2R, 1G/ 2R,1B	2R	2R, 1G/ 2R,1B	2R, 1G/ 2R,1B	2R, 1G/ 2R,1B
LEDs Chip	Optotech/Silan									
LEDs Wavelength(nm)	R: 620-625; G: 520-525; B: 465-470									
Brightness (cd/sq.m)	4000	5000	3500	5000	3500	4000	3000	3500	2800	3500
Module resolution	32 × 16	16 × 16	16 × 16	16 × 16	16 × 8	16 × 8	16 × 8	16 × 8	8 × 8	8 × 8
Module size	320 × 160	160 × 160	192 × 192	192 × 192	256 × 128	256 × 128	320 × 160	320 × 160	200 × 200	200 × 200
Display colors	Single red	Red, Green &Yellow/ Red, Blue &Purple	Single red	Red, Green &Yellow / Red, Blue &Purple	Single red	Red, Green &Yellow/ Red, Blue &Purple	Single red	Red, Green &Yellow/ Red, Blue &Purple	Single red	Red, Green &Yellow/ Red, Blue &Purple
Drive method	1/4 scan constant current									
Input voltage	110±10V, 220±10V AC, 50/60Hz									
Control system	Asynchronous Control System									
Signal input	Text: Text, rtf, single, line, static, multi-line; Graphics: Bmp, jpg, gif, wmf, ico,etc; time; Temperature and Humanity(Sensor)									

Indoor Single Red and Dual color message LED display

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Parameters

Pixel Pitch	P6 SMD 1 in 1		P7.62 SMD 1 in 1		P10 SMD 1 in 1	
	Single red	Dual color	Single red	Dual color	Single red	Dual color
pixel encapsulation	SMD0603	SMD0603	SMD0603	SMD0603	SMD0603	SMD0603
LED compositing	1R	1R, 1G/ 1R,1B	2R	2R, 1G/ 2R,1B	2R	2R, 1G/ 2R,1B
LEDs Chip	Optotech/Silan					
LEDs Wavelength(nm)	R: 620-625; G: 520-525; B: 465-470					
Brightness (cd/sq.m)	1500	1200	1300	1000	1000	800
Module resolution	32 × 16	32 × 16	32 × 16	32 × 16	16 × 16	16 × 16
Module size	192 × 96	192 × 96	244 × 122	244 × 122	160 × 160	160 × 160
Display colors	Single red	Red, Green &Yellow/ Red, Blue &Purple	Single red	Red, Green &Yellow/ Red, Blue &Purple	Single red	Red, Green &Yellow/ Red, Blue &Purple
Drive method	1/8 scan constant current					
Input voltage	110±10V, 220±10V AC, 50/60Hz					
Control system	Asynchronous Control System					
Signal input	Text: Text, rtf, single, line, static, multi-line; Graphics: Bmp, jpg, gif, wmf, ico,etc; time; Temperature and Humanity(Sensor)					

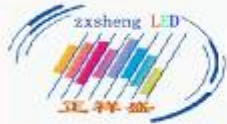


1. Double Sided LED display

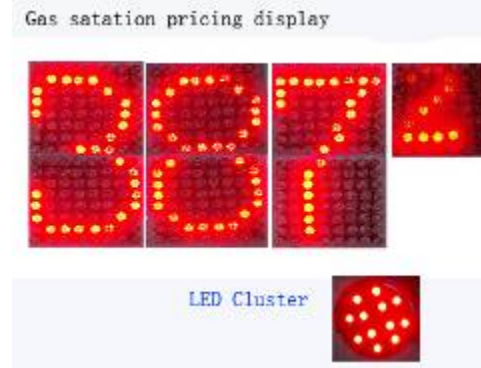


Double Sided LED display usually mounted on truck, installed on the street or high way. Two sided controlled by one control system.

2. Scoreboard and gas station price sign—consist of LED clusters(also widely used in traffic sign)



STADIUM



GAS STATION

3. Other Accessories

Sensor



Temperature/Humidity Sensor can show temperature and humidity on LED display screen, while brightness sensor can adjust the LED display screen's brightness. Bright light in the day while dim light in the evening; remote can use to change the display contents that have been programmed. (**Asynchronous Control System**)



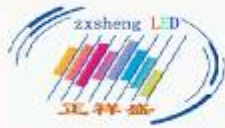
Multi-function Card: Temperature and humanity sensor; Auto brightness adjust; Sound transmit; Power turn on and off (**Synchronous control system use**)

Control system

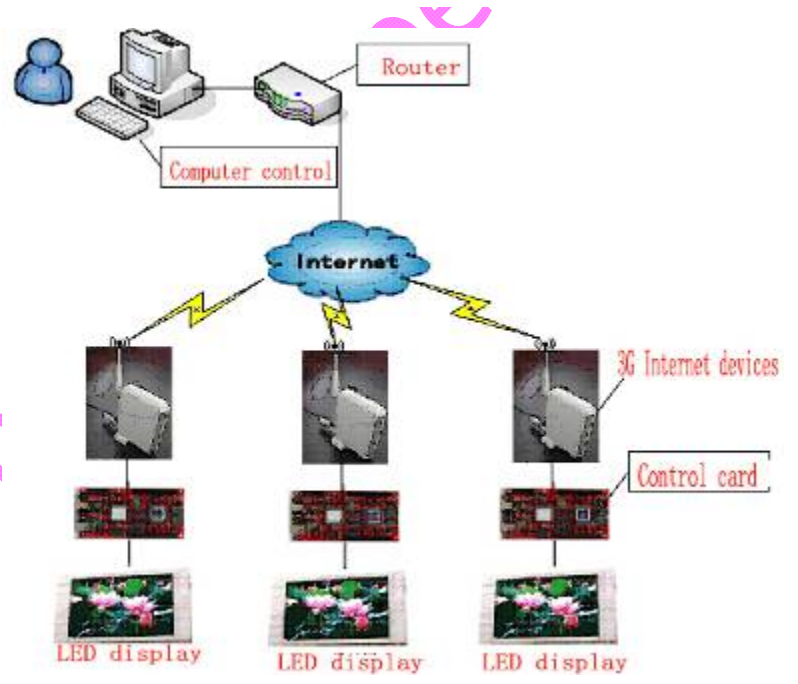
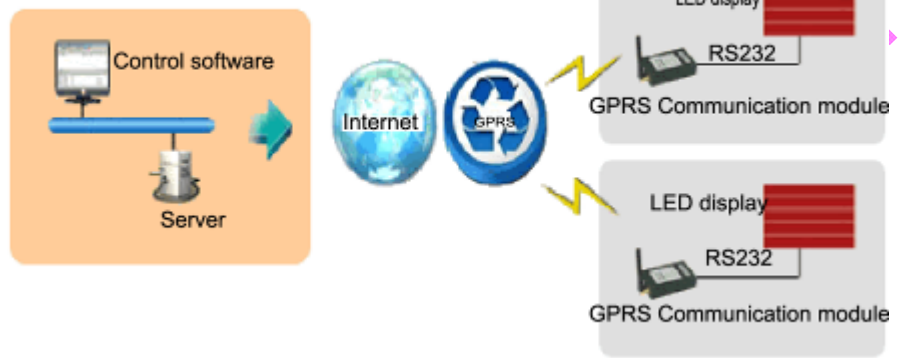
1. Synchronous control system—PC direct control all the time

Computer+ Video card+ Sending card (in PC) + receiving card (in cabinets, usually one cabinet one card)

This control system is better for gaint LED display, stadium or TV station LED display for live, etc.



GPRS control system





Packing

Wooden case



Flight case (for rental, stage and stadium LED displays, protect the displays better and convenient to carry)