Shenzhen ERALED Optoelectronics Co., Ltd.

P20 DIP Outdoor LED Display

Effect pictures of P20 DIP Outdoor LED Display:

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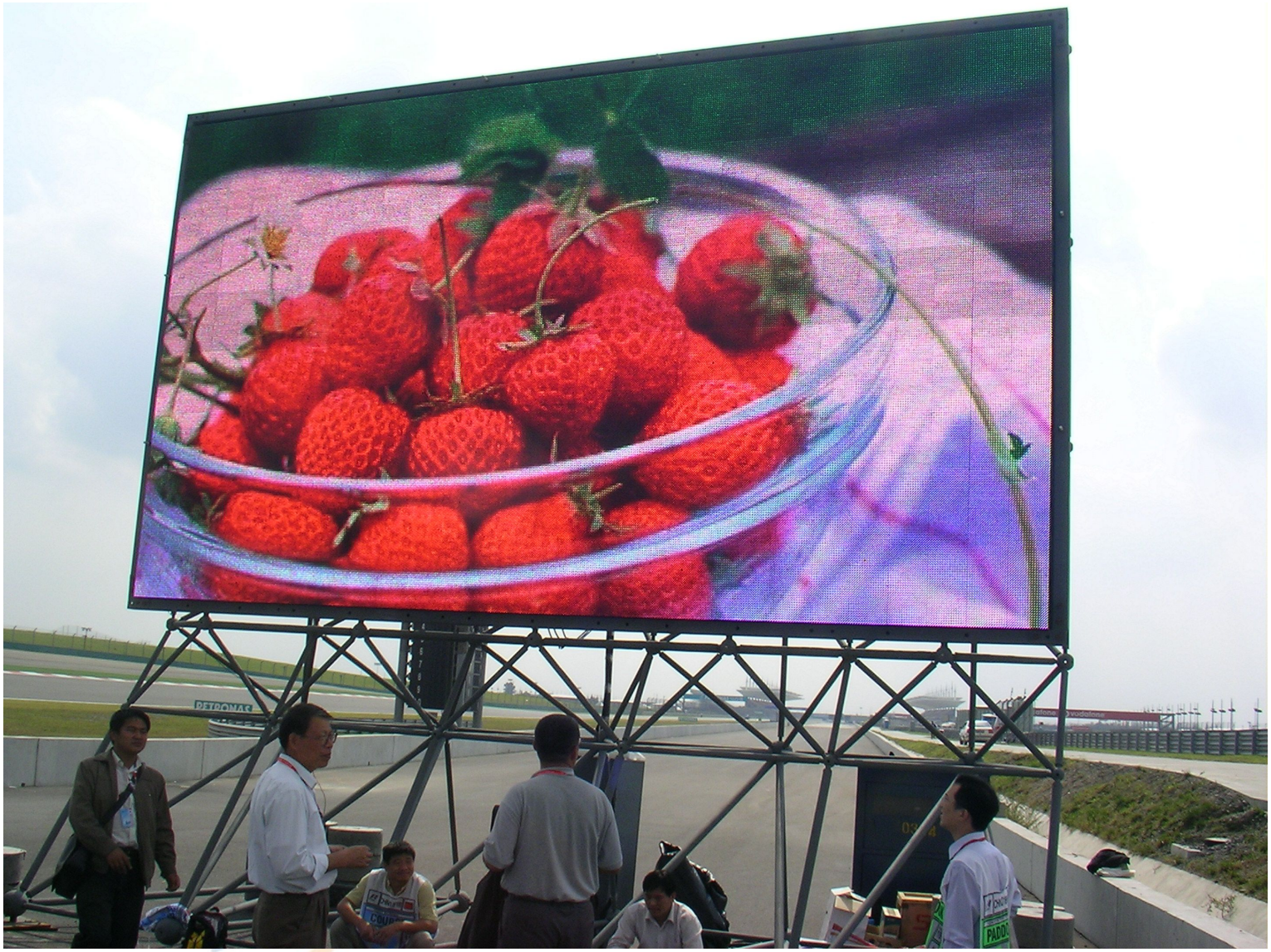

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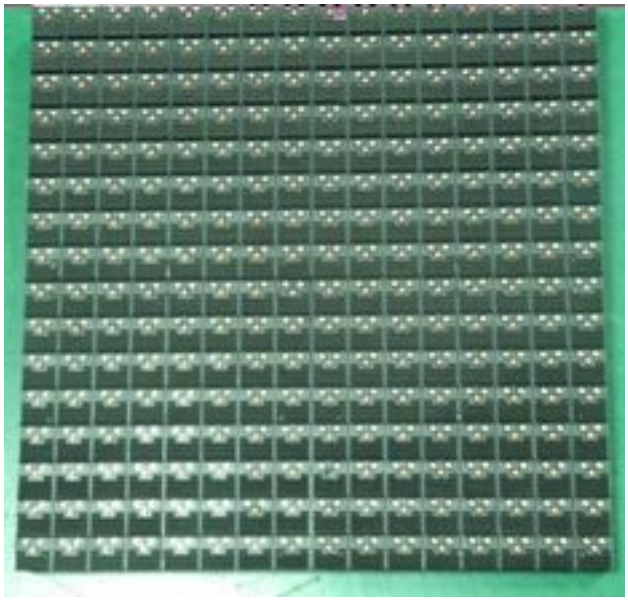
Module:

Front side of the module:



Pixel pitch: 20mm

Form: DIP346 1R1G1B

Resolution: 2500 dots/sqm

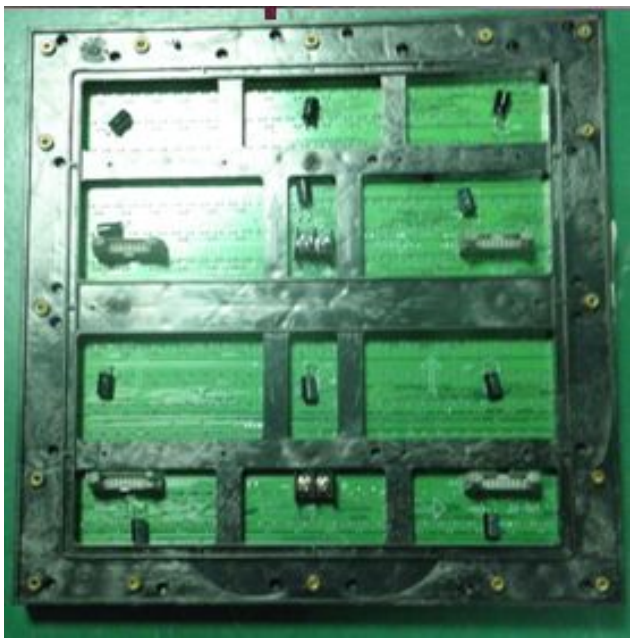
Brightness: 8000nits

Min viewing distance: 12m

Module size: 16dots * 16dots

320mm * 320mm

Back side of the module:



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◆ Technical Specification of P20mm:		
Pixel configuration	1R1G1B	
LEDs configuration	Red:wave length: 625~630nm;700-800mcd Green:wave length: 525~530nm;1500-1800mcd Blue:wave length: 470~475nm;400-500mcd	
Pixel pitch(mm)	20	
Pixel density(dots/㎡)	2500	
Calibrated brightness(cd/sqm,nit)	7000 nits(adjustable)	
Calibrated brightness proportion ratio	R: G: B = 30%:60%:10%(adjustable)	
Color temperature	3,500° — 9,500° K(adjustable)	
Contrast ratio	4,000:1(adjustable)	
Brightness adjustment(dimming)	100 grade auto/manual-adjustment	
View angle(degree)(50% brightness)	Horizontal: 120° (60° off center); Vertical: 70° (+25°/-45° off center)	
Readability viewing angle	Horizontal: 150° (75° off center); Vertical: 90° (+35°/-55° off center)	
Color capability	4.4 trillion	
Refresh rate(Hz)	>1200 Hz(adjustable)	
Frame frequency(Hz)	>60 Hz	
Interface port	DVI interface(DVI connector)	
Input signal	VGA, Video, AVI, MOV, MPG, DAT, VOB etc.	
Protection grade	IP65 front side/IP54 backside	
LED Drive	Constant-current drive	
Lifetime(hours)(50% brightness)	100,000 hours	
Signal transmission direction	Horizontal	
Operating temperature(Celsius degree)	-15～+55'	
Storage temperature(Celsius degree)	-30～+65'	
Operation humidity(RH)	0-95%	
Storage humidity(RH)	0-99%	
Servicing	Front and back serving optional	
Control mode	Synchronous & asynchronous available	
Communication options	Wire Ethernet, Fiber Ethernet,RF wireless,GPRS	
Power	120/240 V AC single phase(50-60Hz)	
Maximum power consumption(W/SQM)	400	
Average power consumption(W/SQM)	160	
Screen operation mode(scan/static)	1 / 1	
Module configuration(Pixels quantities of the	Length	16

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module)	Height	16
Module dimensions(mm)	Length	320
	Height	320
Cabinet configuration(Module quantities of the cabinet)	Length	3
	Height	3
Cabinet dimensions(mm)	Length	960
	Height	960
	Width	170

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