

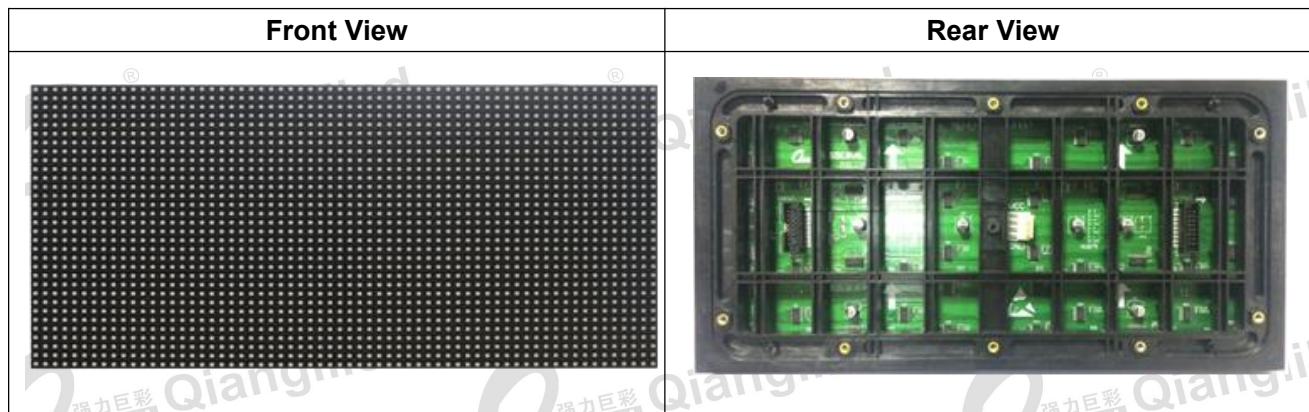
Product Specification

Product: Outdoor Full Color P5.0 1/8 Scan Module

Item No.: Q5.0-8S-E-2525

Version: 2.1

1. Module Picture



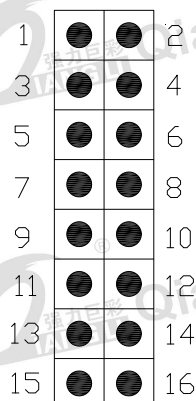
2. Suggestion Cabinet -(960*960 magnesium cabinet)



3. Technical Specification

Module	Pixel Pitch	5.0mm	Pixel Density	40000Dots/m ²
	Configuration	1R1G1B	LED Lamp	SMD2525
	Size (Width*Height*Depth)	320*160*18.5mm	Weight	0.45kg±0.01kg
	Structure	Lamp & IC in same PCB	Resolution	64*32=2048 Dots
	Input Voltage (DC)	4.5±0.1V	Maximum Current	≤9.51A
	Power Consumption	≤43W	Driving Method	Constant Current 1/8 Scan
	40A Power Supply for	2-3 pcs module	80A Power Supply for	6-7 pcs module
	40A PFC Power Supply for	3-4 pcs module		
Cabinet (magnesium cabinet)	Cabinet Size (Width*Height*Thickness)		960*960*169.5mm (with module, cabinet, connecting plate)	
	Cabinet Pixel Density		192*192=36864 Dots	
	Cabinet Area		0.9216 m ²	
	Cabinet Weight		28.5kg±0.5 kg	
	Cabinet Max Power Consumption		≤770W	
	Average Power Consumption (1/3 Max)		≤257W	
	Distribution Power (Power Supply Capacity 78%)		≤988W	
Screen	Brightness	≥4500cd/m ²	Brightness Uniformity	>0.95
	Horizontal Viewing Angle	140 ±10 degree	Vertical Viewing Angle	130 ±10 degree
	Best Viewing Distance	≥5.0 m	Black Spot Ratio	< 0.0003
	Max Power Consumption	≤836W/m ²	Operation Environment	Outdoor
	Grayscale	12-14bits (RGB each)	Display Color	4398 Billion
	Frame Frequency	≥60 frame/sec	Refresh Frequency	≥960 Hz
	Control Mode	Computer control, Point-to-point	Brightness Adjustment	256-grade manual / automatic
	Life Span	≥100,000 hours	Average Failure Free Time	≥10,000 hours
	Attenuation (3 years later)	≤15%	Operating Humidity	10%-90%RH

4. Signal Pin

HUB75

Pin	Signal	Function	Pin	Signal	Function
1	RD1	Red data signal	2	GD1	Green data signal
3	BD1	Blue data signal	4	GND	GND
5	RD2	Red data signal	6	GD2	Green data signal
7	BD2	Blue data signal	8	E	Line power control signal
9	A	Line power control signal	10	B	Line power control signal
11	C	Line power control signal	12	D	Line power control signal
13	CLK	Clock signal	14	LAT	Date locking signal
15	OE	Enable signal	16	GND	GND

5. Application