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Product Specification

Dangliled Qiangliled

Bayen Qiangliled

Panelil Qianglil

Product: Outdoor Full Color Q5 1/8 Scan Module

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

Version: 2.10

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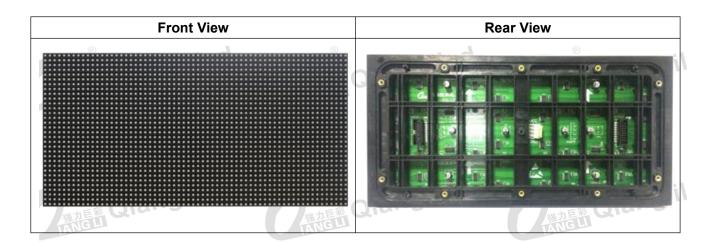
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1. Module Picture



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2. Suggestion Cabinet -(960*960 Magnesium Cabinet)





3. Technical Specification

® IANGU	Pixel Pitch	5mm	Pixel Density	40000Dots/m ²
	Configuration	1R1G1B	LED Lamp	SMD2525
	Size (Width*Height*Dept h)	320*160*18.5mm	Weight	0.45kg±0.01kg
Module	Structure	Lamp & IC in same PCB	Resolution	64*32=2048Dots
5	Input Voltage (DC)	4.5±0.1V	Maximum Current	≤9.51A oiangl
强力是於 TANGLI	Power Consumption	≤43W TANGLI	Driving Method	Constant Current 1/8 Scan
	40A Power Supply for	2-3 pcs module	50A Power Supply for	3-4 pcs module
6 R	40A PFC Power Supply for	3-4 pcs module	80A Power Supply for	6-7 pcs module
IANG LI	Cabinet Size (Width*Height*Thickness)		960mm*960mm*104.5mm(with module cabinet) 960mm*960mm*169.5mm(with module cabinet, connecting plate)	
Cabinet	Cabinet Pixel Density	75	192*192=36864 Dots	
(Magnesi um	Cabinet Area	IANG II	0.9216 m²	
Cabinet)	Cabinet Weight		28.5kg±0.5 kg	
	Cabinet Max Power 0	Consumption	≤770W	
6 B	Average Power Cons	umption (1/3 Max)	≤257W ^{2O} oiangli	
强力巨彩 TANG LI	Distribution Power (Power Supply Capacity 78%)		≤988W	
	Brightness	≥4200cd/m²	Brightness Uniformity	>0.95
®	Horizontal Viewing Angle	140 ±10 degree	Vertical Viewing Angle	130 ±10 degree
Screen	Best Viewing Distance	≥5m ANGU Qia	Black Spot Ratio	< 0.0003 Qiang
	Max Power Consumption	≤836W/m²	Operation Environment	Outdoor
	Grayscale	12-14bits (RGB each)	Display Color	43980 Billion
	Frame Frequency	≥60 frame/sec	Refresh Frequency	960 Hz



TANGLI	Control Mode	Computer control,	Brightness	256-grade manual /
		Point-to-point	Adjustment	automatic
	Life Span	≥100,000 hours	Average Failure Free Time	≥10,000 hours
8 5	Attenuation (3 years later)	≤15%	Operating Humidity	10%-90%RH

4.Signal Pin

HUB75

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9			10	
11		0	12 _n c	
13	•	0	14	
15			16	

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	GND	GND
19e	d A	Line power control signal	10 d	В	Line power control signal
11	С	Line power control signal	12	D	Line power control signal
13	CLK	Line power control signal	14	LAT	Data locking signal
1150	d oe	Enable signal	16	GND	GND

5. Precautions

Item		Description	
Qianglile Control of the Control of		Storage temperature range: -10 ° C - 30 ° C, over 30 ° C needs to do cooling treatment.	
		Operating temperature range: -20 ° C -40 ° C, other	
		temperature range, need to install temperature control	
	requirement	equipment.	
l '		Lamp surface temperature (working time):	
		≤85°C, temperature control equipment is required to be	
Precauti	Qiangillo	installed when temperature exceeding the standard	
ons	Storage humidity range: 10% RH-60% RH, humidity		
	Llumidity	60% RH requires dehumidification treatment.	
Humidity		Operating humidity range: 10% RH-90% RH, If the humidity	
	requirement	exceeds the standard, it must be dehumidified before it can	
®	1:100	be used normally.	
	Avoiding	Corrosive gas, which contains alkaline or acid gas in the	



TANGLI	corrosive gas	environment, may cause corrosion of electronic components, crystallization, leakage and so on.
B 强力巨彩	Avoid electrostatic hazard and lightning strikes	Metal components of the screen, the shell of power supply and the cabinet should be grounded well, and the grounding resistance should be less than 10Ω . Prevent electrostatic damage to electronic devices in humid environment, while avoiding electric leakage to harm human body.
	Electro-static Protection	The worker must wear an anti-electrostatic wrist strap and anti- electrostatic glove. Various tools must be strictly grounded during assembly
B 温力巨彩 IANG LI	Screen waterproof	After installation of Led display screen, waterproof glue should be used on the connection part of cabinet and around the screen, making sure strict waterproof protection measures be implemented.
B 强力巨彩 TANG LI	Hazard statement of the Magnetic installation Method	It's not recommended customers install modules outdoor with magnetic installation method. It will cause the following hazards, 1) Rain and snow could enter from the screen front side to the screen back side, it may cause the electronic components, system card, power supply and cables be corroded and lose efficacy. 2) The magnetic installation method cannot guarantee the
Operati onal	Cianglile C	flatness and the performance of the led screen. 3) Module is likely to deform under extremely cold weather. Different batches of products cannot be installed in the same
precauti ons	control	screen, otherwise there will be color blocks (mosaic) on the display.
8	Product wiring	The module cannot be directly connected to 220V, and the module's positive and negative poles connection must be right.
强力巨彩 IANG LI	Disassembly and transportation	Do not throw, push, squeeze or press the module, avoid damaging the display screen.
B 超力巨彩 TANG L	Installation torque control	In connection with power supply, it is necessary to ensure tightening of terminal joint screw to prevent joint position from loosening, resulting in wire burning or product damage caused by high contact resistance. Torque of M4 screw is 6.0-8.0 Kgf.cm, and that of M3 screw is 4.0-6.0 Kgf.cm.
	Display control	Please do not display static picture or text, for this may cause LED lamp brightness go down seriously or LED lamp die. Please play moving pictures or text.
强加巨彩	Prohibition of live work	It is forbidden to assemble the module under the condition of power on, the module should be assembled on the wall



B B B B B B B B B B B B B B B B B B B	Environmental inspection Avoid construction	when the main power input is discontaged. Temperature and humidity meters shall the installation site to monitor the surface of the screen in time. After heavy rain check whether there are any problem water droplets and over humidity in the lit is strictly forbidden to rebuild after LED display screen, so as to prevent	nould be equipped on rounding environment on, it is necessary to one such as dampness, the screen in time.
8	work near the installed LED screen	from being affected by the impact of such as welding, electric saw and other states of the such as welding, electric saw and other saw and oth	high current and dust,
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