

LANG LI

Qiangliled

東京 Qiangliled

TANG LI

型型
Qianglil

**Product Specification** 

流<mark>机</mark>Qiangliled

ANGEN Qianglil

**Product:** Outdoor Full Color Q3.0 1/13 Scan Module

Item No.: gliled Q3.0-13S-1515

Version:

नुहर्में Qiangliled

**ANGLI** Qiangliled

**温力巨彩** Qianglil

造版 Qiangliled

Angii Qiangliled

Angui Qianglil

**建边票** Qiangliled

**漫遊縣 Qiangliled** 

Website: www.qiangliled.com

**建造縣 Qianglil** 



#### 1. Module Picture



TANG LI

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



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# 3. Technical Specification

	Pixel Pitch	3.076mm	Pixel Density	105,626 Dots/m²	
强力巨彩 JANGLI	Configuration 1R1G1B		LED Lamp	SMD1515	
	Size (Width*Height*Dept h)	320*160*17.5mm	Weight	0.40kg±0.01kg	
Module	Structure	Lamp & IC in same PCB	Resolution	104*52=5408 Dots	
5	Input Voltage (DC)	4.5±0.1V	.5±0.1V Maximum Current		
强力是私 IANG LI	Power Consumption	≤40W Driving Method		Constant Current 1/13 Scan	
	40A Power Supply for	2-3 pcs module	80A Power Supply for	6-7 pcs module	
R	40A PFC Power Supply for	3-4 pcs module	ngliled	5 miang	
通为EXT IANGLI	Cabinet Size (Width*	Height*Thickness)	960mm*960mm*104.5 cabinet) 960mm*960mm*169.5 cabinet, connecting pl	omm(with module	
Cabinet	Cabinet Pixel Density	(8)	312*312=97344 Dots		
Magnesi	Cabinet Area	<sub>通力馬</sub> Qia	0.9216 m²	) <sup>選其縣</sup> Qiang	
um Cabinet)	Cabinet Weight	TANIS	29.7kg±0.5 kg		
Jabinot	Cabinet Max Power (	Consumption	≤724W		
®	Average Power Cons	umption (1/3 Max)	≤241W ®		
通力巨彩 IANG LI	Distribution Power (78%)	Power Supply Capacity	≤928W	) <sub>理为巨彩</sub> Qiang	
	Brightness	≥4500-5200cd/m²	Brightness Uniformity	>0.95	
	Horizontal Viewing Angle	140 ±10 degree	Vertical Viewing Angle	130 ±10 degree	
Screen *	Best Viewing Distance	≥3 m	Black Spot Ratio	< 0.0003 giang	
TANGLI	Max Power Consumption	≤786W/m²	Operation Environment	outdoor	
	Grayscale	14-16bits (RGB each)	Display Color	4398 Billion	
R	Frame Frequency	≥60 frame/sec	Refresh Frequency	≥1920Hz	
分强力巨彩	Qiangilied	<b>Made Qia</b>	inglilled	了 <sub>强热器</sub> Qiang	



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

## 4.Signal Pin

1	•	•	2
3	•	•	4
5	•	•	6
7	•		8ang
9	•	•	10
11			12
13	•		14
15	•		16

HIE	275	gian(	glile	d	® Qiangli	led		Danglil Qianglil
TANG	.,,5		Pin	Signal	Function	Pin	Signal	Function
	•	2	1	RD1	Red data signal	2	GD1	Green data signal
		4	3	BD1	Blue data signal	4	GND	GND
•		6	5	RD2	Red data signal	6	GD2	Green data signal
•		8ans	7	BD2	Blue data signal	8	GND	GND cianglil
1	•	10 12	9	А	Line power control signal	10	В	Line power control signal
3 <b>•</b> • • • • • • • • • • • • • • • • • •	•	14 16	11	С	Line power control signal	12	D	Line power control signal
	9	sian(	13	CLK	Clock signal	14	LAT	Data locking signal
强力巨 IANG	彩	giang	15	OE	Enable signal	16	GND	GND

### 5. Precautions

THE Item NO		Description Qiang
IANG		Storage temperature range: -10 ° C - 30 ° C, over 30 ° C
		needs to do cooling treatment.
		Operating temperature range: -20 ° C -40 ° C, other
	Temperature	temperature range, need to install temperature control
Environ	requirement	equipment. ®
mental	Oianglile,	Lamp surface temperature (working time):
Precauti	GC.	≤85°C, temperature control equipment is required to be
ons		installed when temperature exceeding the standard
		Storage humidity range: 10% RH-60% RH, humidity over
	Humidity	60% RH requires dehumidification treatment.
®	requirement	Operating humidity range: 10% RH-90% RH, If the humidity
5	giangliled	exceeds the standard, it must be dehumidified before it can
强力巨彩	Glass	强 <u>力</u> 是



TANGLI		be used normally.
	Avoiding corrosive gas	Corrosive gas, which contains alkaline or acid gas in the environment, may cause corrosion of electronic components, crystallization, leakage and so on.
® 過力巨彩 IANGU	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 $10\Omega$ . Prevent electrostatic damage to electronic devices in humid environment, while avoiding electric leakage to harm human body.
® 同 同 同 同 同 同 同 同 同 同 同 同 同	Electro-static Protection	The worker must wear an anti-electrostatic wrist strap and anti- electrostatic glove. Various tools must be strictly grounded during assembly
TANGL	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.
Operation on al	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 flatness and the performance of the led screen.  3) Module is likely to deform under extremely cold weather.
precauti	Product batch control	Different batches of products cannot be installed in the same screen, otherwise there will be color blocks (mosaic) on the display.
温力巨彩 TANG II	Product wiring	The module cannot be directly connected to 220V, and the module's positive and negative poles connection must be right.
0	Disassembly and transportation	Do not throw, push, squeeze or press the module, avoid damaging the display screen.
通力巨彩 IANG LI	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.

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IANGL	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 when the main power input is disconnected.
· 强力巨彩 IANG LI	Environmental inspection	Temperature and humidity meters should be equipped on the installation site to monitor the surrounding environment of the screen in time. After heavy rain, it is necessary to check whether there are any problems such as dampness, water droplets and over humidity in the screen in time.
。 一 過力巨彩	Avoid construction work near the installed LED screen	It is strictly forbidden to rebuild after the installation of the LED display screen, so as to prevent the LED display screen from being affected by the impact of high current and dust, such as welding, electric saw and other equipment.

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