

TANGLI

Qiangliled

東京 Qiangliled

TANG LI

型型
Qianglil

Product Specification

流<mark>机</mark>Qiangliled

ANGEN Qianglil

Product: Outdoor Full Color Q2.5 1/16 Scan Module

Item No.: gliled Q2.5-16S-1515

Version:

नुहर्में Qiangliled

ANGLI Qiangliled

温力巨彩 Qianglil

流<mark>机</mark>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)





3. Technical Specification

	Pixel Pitch	2.5mm	Pixel Density	160000Dots/m ²	
强力巨彩 TANGU	Configuration 1R1G1B		LED Lamp	SMD1515	
	Size (Width*Height*Dept h)	320*160*18.5mm	Weight	0.42kg±0.01kg	
Module	Structure	Lamp & IC in same PCB	· Resolution		
5	Input Voltage (DC)	4.5±0.1V	Maximum Current	≤7.37A oiang	
强力是於 IANG LI	Power Consumption	≤33W TANGLI	Driving Method	Constant Current 1/16 Scan	
	40A Power Supply for	3-4 pcs module	80A Power Supply for	7-8 pcs module	
8 5	40A PFC Power Supply for	4-5 pcs module	ngliled	5 angl	
强力E TANG LI	Cabinet Size (Width*	Height*Thickness)	960mm*960mm*104.5 cabinet) 960mm*960mm*169.5 cabinet,connecting pla	omm(with module	
Cabinet	Cabinet Pixel Density	(8)	384*384=147456 Dots		
(Magnesi	Cabinet Area	_{通加票} Qia	0.9216 m²	了 _{選提斯} Qiangi	
um Cabinet)	Cabinet Weight	TANIS	29.7kg±0.5 kg		
Cubinot)	Cabinet Max Power 0	Consumption	≤597W		
®	Average Power Cons	umption (1/3 Max)	≤199W ®		
强力巨彩 TANG LI	Distribution Power (78%)	Power Supply Capacity	≤765W) Mgii Qiangl	
	Brightness	≥4500-5500 cd/m²	Brightness Uniformity	>0.95	
	Horizontal Viewing Angle	140 ±10 degree	Vertical Viewing Angle	130 ±10 degree	
Screen *	Best Viewing Distance	≥2.5m	Black Spot Ratio	<0.0003 Qiangli	
	Max Power Consumption	≤648W/m²	Operation Environment	outdoor	
	Grayscale	14-16bits (RGB each)	Display Color	4398 Billion	
®	Frame Frequency	≥60 frame/sec	Refresh Frequency	≥3840 Hz	
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TANGLI	Control Mode	Computer control, Point-to-point	Brightness Adjustment	256-grade manual / automatic
®加巨彩	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

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3		•	4	
5			6	
7			8ang	
9	•	0	10	
11		•	12	
13		•	14	
15			16	

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TANGLI	7	Pin	Signal	Function	Pin	Signal	Function
	5	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
00	8ans	7	BD2	Blue data signal	8	GND	GND ciangli
1 • •	10 12	9	Α	Line power control signal	10	В	Line power control signal
3 • •	14 16	11	С	Line power control signal	12	D	Line power control signal
(1)	sian(130	CLK	Clock signal	14	LAT	Data locking signal
强力巨彩 IANG LI	Jians	15	OE	Enable signal	16	GND	GND

5. Precautions

7 21巨彩	Item 19	Pane Qia Description Pane Qiang
TANGL		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	通边上影



TANG LI	_	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 10Ω . 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.
Operati	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 ons	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.
	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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TANGL	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.
B 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.
。	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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