

DESCRIPTION

❖ CHARACTERS

P5, outdoor surface mount full-color, is a high-performance module specially developed by our company for outdoor use. The PCB adopts the international FR-4-two-layer board, double-layer circuit board design, with a board thickness of 1.2mm. The surface treatment process is OSP, and the PCB forming process is CNC. There are 48 driver ics and 4 line tube ics. The 75-interface LED light adopts a 1921 outdoor lamp column, with SMD surface mount light-emitting diodes of 2.10*2.10*1.95mm. The colloid color is frosted mist-like, the light-emitting color is full color, and the half-power Angle is 120 degrees

❖ APPLICATION AREA

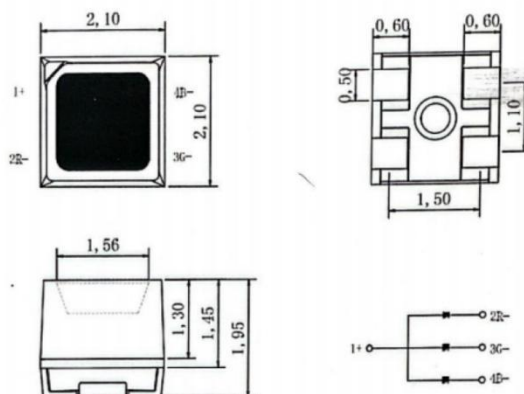
- ❖ Video advertising display
- ❖ Mall, large advertising display
- ❖ High-grade LED advertising, display card
- ❖ High-end supermarket display shelves, traffic light layout

SUMMARY

❖ Operating voltage	5V DC
❖ Maximum current	6.34A
❖ Maximum power	31.7W
❖ Gray level	14bit
❖ Frame change frequency	50&60Hz
❖ Refresh frequency	≥3840Hz

CERTIFICATION

The certification types will be increased as needed. You can contact our company's salesperson to learn more.



ITEM		MODEL
		EL-OUT-ET-P5
Physical parameter	LED package	SMD1921-1R1G1B
	Pixel pitch mm	5
	Module resolution W*H	64*32
	module dimensions mm (W *H)	320*160
	unit area m ²	0.0512
	pixel density Point/m ²	40000
	Horizontal view/vertical view °	≤160/140
	Flatness	≥97%
	Bottom shell screw aperture	M4
	Input signal interface definition	HUB75
	Power socket specification	4P/90°
	Module weight KG/PCS	0.46
	Class of protection	IP65
Optical parameter	White Balance Brightness nits	≥5000
	Gray level bit	≥13
	Temperature K	3000 to 10000K
	Contrast	≤5000:1
	Deviation of center distance of luminous points	<3%
	uniformity of brightness	≥97%
	Brightness control	Manual/automatic/program control
Electrical parameter	Operating voltage (DC) V	5V
	Maximum current A	6.34
	Peak power W/PCS	31.7
	Average power W/PCS	15
Performance parameter	Refresh frequency HZ	≥3840Hz
	Frame change frequency HZ	50&60
	Driving mode	Constant current drive
	Scanning mode	1/8S
	Color correction	It is equipped with point by point correction of brightness and chroma
	Whole screen out of control point	≤0.003%, Set to 0 at factory
	Regional runaway point	≤0.009%

	Screen temperature rise (using running state)	≤5°
Adaptation scenario	Operating ambient temperature	-10℃～60℃
	Operating environment humidity	35%～75%RH, Non-condensing
	Usage scenario	Outdoor
Adaptive chassis	Product chassis dimensions (W x H)	640*480mm
	Chassis resolution (W x H)	128*96
	Input signal interface	RJ45
	Power signal interface	3* U-shaped terminals
	Class of protection	IP6X
White balance debugging parameters	R Brightness CD/M ²	3440
	R current A	2.48
	R-resistance KΩ	1.8
	G Brightness CD/M ²	6350
	G Electric current A	1.95
	G Resistance value KΩ	2.4
	B Luminance CD/M ²	7240
	B Electric current A	2.08
	B Resistance value KΩ	2.4
	W Luminance CD/M ²	5100
	W Electric current A	6.34

描述

特征

P5, 户外表贴全彩, 是我司专门为户外研发的一款高性能模组, PCB 采用国际 FR-4 两层板, 双层电路板设计, 板材厚度1.2mm, 表面处理工艺为 OSP, PCB成型为CNC工艺, 驱动IC为48颗, 行管IC为4颗, 75接口LED灯采用1921户外灯柱子, SMD贴片发光二极管2.10*2.10*1.95mm, 胶体颜色为: 磨砂雾状, 发光颜色: 全彩, 半功率角度: 120度

应用领域

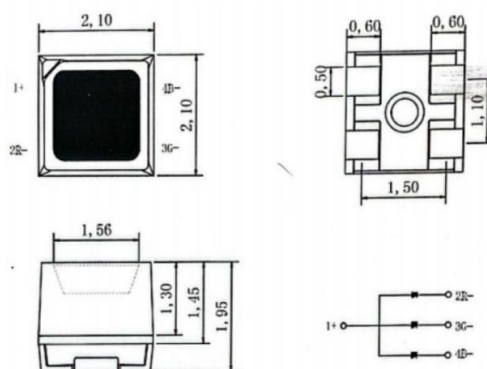
- ❖ 视频广告展示
- ❖ 商场中、中大型广告展示
- ❖ 高档LED广告、展示牌

概要

- ❖ 工作电压 5V直流
- ❖ 最大电流 6.34A
- ❖ 最大功率 31.7W
- ❖ 灰度等级 14bit
- ❖ 换帧频率 50&60Hz
- ❖ 刷新频率 $\geq 3840\text{Hz}$

认证

认证种类将会增加, 请联系本公司业务。



说明		型号
		EL-OUT-ET-P5
物理参数	LED 封装	SMD1921-1R1G1B
	像素间距 mm	5
	模组分辨率 W*H	64*32
	模组尺寸 mm (W *H)	320*160
	单元面积 m²	0.0512
	像素密度 点/m²	40000
	水平视角/垂直视角 °	≤160/140
	平整度	≥97%
	底壳螺丝孔径	M4
	输入信号接口定义	HUB75
	电源座规格	4P/90°
	模组重量 KG/PCS	0.43
	防护等级	IP65
光学参数	白平衡亮度 CD/m²	≥5000
	灰度 bit	≥13
	色温 K	3000—15000 可调
	对比度	≤5000:1
	发光点中心距偏差	<3%
	亮度均匀性	≥97%
	亮度调节	手动/自动/程控
电性参数	工作电压 (DC) V	5V
	最大电流 A	6.34
	峰值功率 W/PCS	31.7
	平均功率 W/PCS	15
	刷新频率 HZ	≥3840Hz
性能参数	换帧频率 HZ	50&60
	驱动方式	恒流驱动
	扫描方式	1/8S
	色彩校正	配备亮度与色度逐点校正

	整屏失控点	≤0.003%，出厂时为 0
	区域失控点	≤0.009%
	屏幕温升（使用运行状态）	≤5度
适配场景	运行环境温度	-10℃～60℃
	运行环境湿度	35%～75%RH，无凝结
	使用场景	室内
适配机箱	产品机箱尺寸(宽×高)	640*480mm
	机箱分辨率(宽×高)	128*96
	输入信号接口	RJ45
	电源信号接口	3*U 形端子
	防护等级	IP6X
白平衡调试参数	R 亮度 CD/M ²	3440
	R 电流 A	2.48
	R 阻值 K Ω	1.8
	G 亮度 CD/M ²	6350
	G 电流 A	1.95
	G 阻值 K Ω	2.4
	B 亮度 CD/M ²	7240
	B 电流 A	2.08
	B 阻值 K Ω	2.4
	W 亮度 CD/M ²	5100
	W 电流 A	6.34