

DESCRIPTION

❖ CHARACTERS

P2.5, indoor full color screen, is a high-performance module specially developed by our company for indoor, PCB adopts international FR4-two-layer board, double-layer circuit board design, plate thickness 1.2mm, surface treatment process is OSP, PCB molding is CNC process, 48 driver ics, 8 pipe ics, 75 interface LED lamp adopts 2121 indoor lamp beads, SMD patch luminous diode 2.10*2.10*1.95mm, colloidal color is: frosted mist, luminous color: full color, half power Angle: 120 degrees

❖ APPLICATION AREA

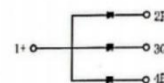
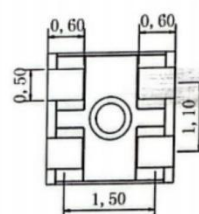
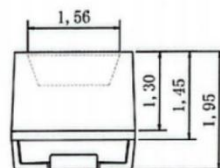
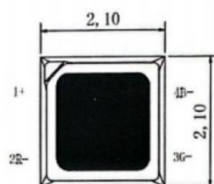
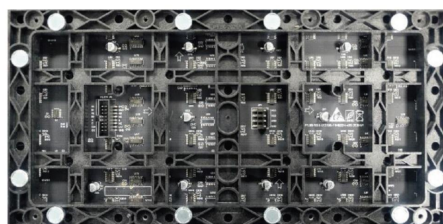
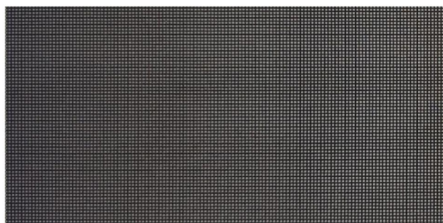
- ❖ Video advertising display
- ❖ Mall, large advertising display
- ❖ High-grade LED advertising, display card
- ❖ High-end supermarket display shelves, traffic light layout

SUMMARY

❖ Operating voltage	5V DC
❖ Maximum current	3.95A
❖ Maximum power	19.8W
❖ 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-IN-ET-P2. 5
Physical parameter	LED package	SMD2121-1R1G1B
	Horizontal view/vertical view	≤110/110
	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	IP3X
Optical parameter	Luminous intensity Lm	815
	Gray level bit	≥13
	Temperature K	10436
	Contrast	≤4000:1
	Brightness control	Manual/automatic/program control
Electrical parameter	Operating voltage (DC) V	5V
	Maximum current A	3.95
	Peak power W/PCS	19.
	Average power W/PCS	6.6
Performance parameter	Refresh frequency HZ	≥3840Hz
	Frame change frequency Frame	60
	Driving mode	Constant current drive
	Scanning mode	1/32
	Color correction	It is equipped with point by point correction of brightness and chroma
	Whole screen out of control point	≤0.003%, 出厂时为 0
	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	Indoor
Adaptive chassis	Product chassis dimensions (W x H)	640*480mm
	Chassis resolution (W x H)	256*192
	Input signal interface	RJ45
	Power signal interface	3* U-shaped terminals

描述		
	Class of protection	IP5X
White balance debugging parameters	R Brightness CD/M ²	201
	R current A	2.51
	R-resistance KΩ	1.2
	G Brightness CD/M ²	425
	G Electric current A	1.32
	G Resistance value KΩ	3.3
	B Luminance CD/M ²	190
	B Electric current A	1.32
	B Resistance value KΩ	3.3
	W Luminance CD/M ²	815
	W Electric current A	3.95

特征

P2.5, 室内全彩屏, 是我司专门为室内研发的一款高性能模组, PCB 采用国际 FR4-两层板, 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8颗, 75接口 LED灯采用2121室内灯珠, 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

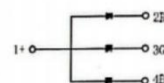
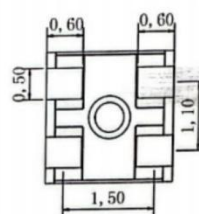
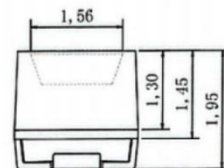
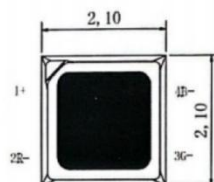
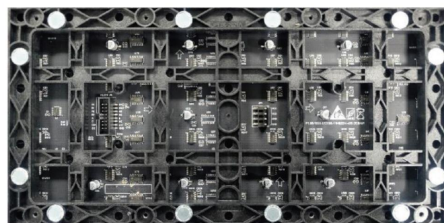
- ❖ 视频广告展示
- ❖ 商场中、中大型广告展示
- ❖ 高档LED广告、展示牌

概要

- ❖ 工作电压 5V直流
- ❖ 最大电流 3.95A
- ❖ 最大功率 19.8W
- ❖ 灰度等级 14bit
- ❖ 换帧频率 50&60Hz
- ❖ 刷新频率 3840Hz

认证

认证种类将会增加, 请联系本公司业务。



说明		型号
		EL-IN-ET-P2.5
物理参数	LED 封装	SMD2121-1R1G1B
	水平视角/垂直视角	≤110/110
	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	0.46
	防护等级	IP3X
光学参数	发光强度 Lm	815
	灰度 bit	≥13
	色温 K	10436
	对比度	≤4000:1
	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	3.95
	峰值功率 W/PCS	19.8
	平均功率 W/PCS	6.6
	刷新频率 HZ	≥3840Hz
性能参数	换帧频率 帧	60
	驱动方式	恒流驱动
	扫描方式	1/32
	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
	运行环境温度	-10℃~60℃
适配场景	运行环境湿度	35%~75%RH，无凝结
	使用场景	室内
	产品机箱尺寸(宽×高)	640*480mm

适配机箱	机箱分辨率(宽×高)	256*192
	输入信号接口	RJ45
	电源信号接口	3*U 形端子
	防护等级	IP5X
白平衡调试参数	R 亮度 CD/M ²	201
	R 电流 A	2. 51
	R 阻值此项可删除每批次电阻值不是一样的 K Ω	1. 2
	G 亮度 CD/M ²	425
	G 电流 A	1. 32
	G 阻值此项可删除每批次电阻值不是一样的 K Ω	3. 3
	B 亮度 CD/M ²	190
	B 电流 A	1. 32
	B 阻值此项可删除每批次电阻值不是一样的 K Ω	3. 3
	W 亮度 CD/M ²	815
	W 电流 A	3. 95