

DESCRIPTION

❖ CHARACTERS

- ❖ P2.604, outdoor full color screen, is a high-performance module specially developed by our company for outdoor. PCB adopts FR-4-four-layer circuit board design, plate thickness 1.2mm, surface treatment process is OSP, 72 driver ics, 24 pipe ics, HUB75 interface LED lamp using 1415 outdoor LED lamp beads, colloid color: frosted mist, luminous color: full color, visual Angle: 120 degrees



❖ APPLICATION AREA

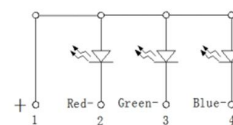
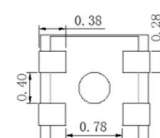
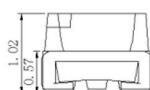
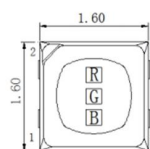
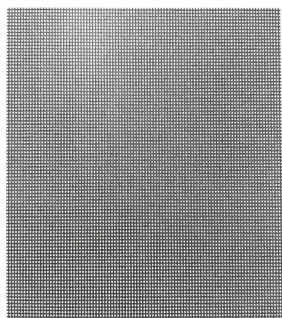
- ❖ Video advertising display
- ❖ Mall, large advertising display
- ❖ High-grade LED advertising, display card
- ❖ High-end supermarket display shelves, traffic light layout

SUMMARY

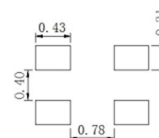
- ❖ Operating voltage 5V DC
- ❖ Maximum current 7.3A
- ❖ Maximum power 36.5W
- ❖ Gray level ≥ 13 bit
- ❖ Frame change frequency 50&60Hz
- ❖ Refresh frequency 3840Hz

CERTIFICATION

Certification types will increase, please contact our business.



For reflow soldering



ITEM		MODEL
		EL-OUT-ET-P2. 604
Physical parameter	LED package	SMD1415-1R1G1B
	pixel pitch mm	2.604
	Module resolution W*H	96*96
	module dimensions mm (W *H)	250*250
	unit area m ²	0.0625
	pixel density Point/m ²	147456
	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	≥4000
	Gray level bit	≥13
	Temperature K	3000 to 15000K Tunable
	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	7.3
	Peak power W/PCS	36.5
	Average power W/PCS	15
Performance parameter	Refresh frequency HZ	≥3840Hz
	Frame change frequency HZ	50&60
	Driving mode	Constant current drive
	Scanning mode	1/24
	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)	500*1000mm
	Chassis resolution (W x H)	192*384
	Input signal interface	RJ45
	Power signal interface	3* U-shaped terminals
	Class of protection	IP6X
White balance debugging parameters	R Brightness CD/M ²	3580
	R current A	3.4
	R-resistance KΩ	2
	G Brightness CD/M ²	5040
	G Electric current A	2.28
	G Resistance value KΩ	2D7
	B Luminance CD/M ²	6360
	B Electric current A	2.68
	B Resistance value KΩ	2D7
	W Luminance CD/M ²	3900-4100
	W Electric current A	7.3

描述

特征

P2.604, 室外全彩屏, 是我司专门为户外研发的一款高性能模组, PCB 采用FR-4 4层电路板设计, 板材厚度1.2mm, 表面处理工艺为 OSP, 驱动IC为72颗, 行管IC为24颗, HUB75 接口
LED灯采用1415户外LED灯珠, 胶体颜色为: 磨砂雾状, 发光颜色: 全彩, 视觉角度: 120度

应用领域

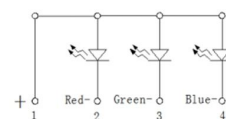
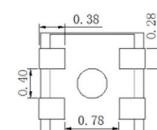
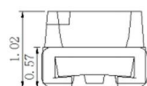
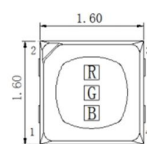
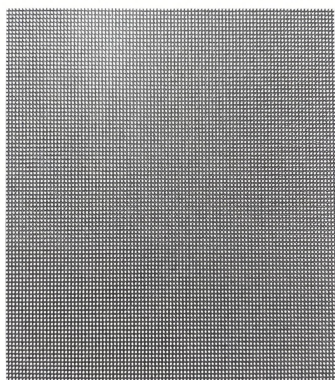
- ❖ 视频广告展示
- ❖ 商场、中大型广告展示
- ❖ 高档LED广告、展示牌

概要

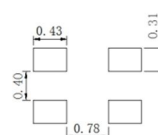
- ❖ 工作电压 5V直流
- ❖ 最大电流 7.3A
- ❖ 最大功率 36.5W
- ❖ 灰度等级 $\geq 13\text{bit}$
- ❖ 换帧频率 50&60Hz
- ❖ 刷新频率 3840Hz

认证

认证种类将会增加, 请联系本公司业务。



For reflow soldering



		EL-OUT-ET-P2. 604
物理参数	LED 封装	SMD1415-1R1G1B
	像素间距 mm	2.604
	模组分辨率 W*H	96*96
	模组尺寸 mm (W *H)	250*250
	单元面积 m ²	0.0625
	像素密度 点/m ²	147456
	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	0.46
	防护等级	IP65
光学参数	白平衡亮度 nits	≥4000
	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	7.3
	峰值功率 W/PCS	36.5
	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	1/24
	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	室外
适配机箱	产品机箱尺寸(宽×高)	500*1000mm
	机箱分辨率(宽×高)	192*384
	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	3580
	R 电流 A	3.45
	R 阻值 K Ω	2
	G 亮度 CD/M ²	5040
	G 电流 A	2.28
	G 阻值 K Ω	2D7
	B 亮度 CD/M ²	6360
	B 电流 A	2.68
	B 阻值 K Ω	2D7
	W 亮度 CD/M ²	3900-4100
	W 电流 A	7.3