



威固电子户外全彩系列产品规格书

OUTDOOR FULL COLOR SERIES PRODUCT SPECIFICATION



户外常规直插 P10-320 表贴三合一

OUTDOOR CONVENTIONAL P10-320 DIP 3IN1 PRODUCT SPECIFICATION

产品规格书

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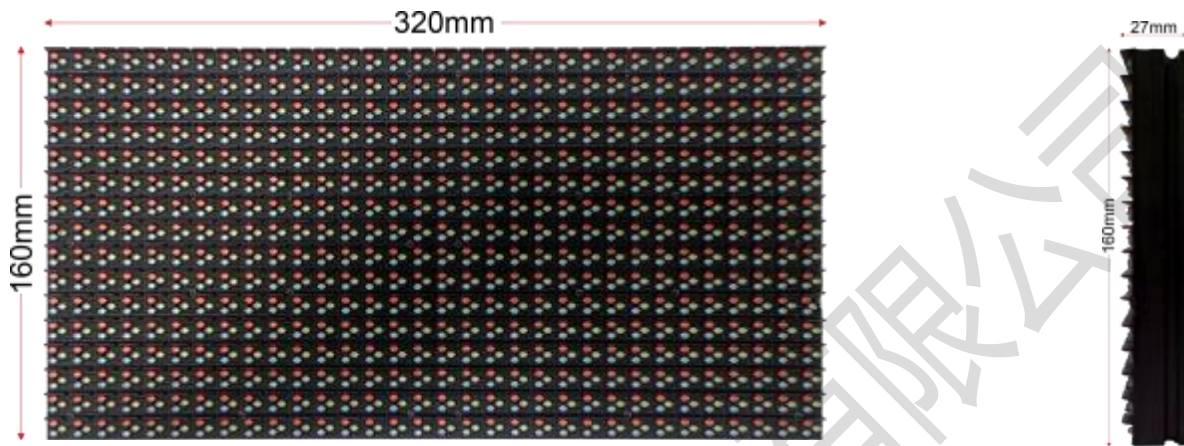
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技术参数 TECHNICAL PARAMETERS

Unit Module	项目	Item	参数	Parameter
	产品型号	Model Number	VG-P10-4scan	
	模组尺寸	Module Size	320mm*160mm	
	物理点间距	Physical Pitch	10mm	
	物理密度	Physical Density	10000 dots/m2	
	发光点颜色 Configuration	Pixel	1R1G1B	
	LED 封装	Package Mode	DIP 直插	
	模组分辨率	Module Resolution	32dots (W)*16dots (H)	
	模组最大功耗 Consumption	Max Power	45W	
	模组厚度	Module Thickness	27mm	
	模组重量	Module Weight	900g	
	驱动方式	Drive Type	恒流驱动 Constant drive	
	扫描方式	Scan Mode	1/4 扫描 1/4scan	
	接口方式	Port Type	HUB75	
	匹配箱体尺寸	Match Cabinet Size	W960mm*H960mm W1120mm*H1120mm	
	工作电压 (DC)	Working Voltage	DC 5V	
	防护措施 Measures	Protective	三防漆 Three Proofing Paint	

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显示屏参数 Display Parameters	最佳视角	Best Viewing Angle	H:120° ;V:120°
	视距	Recommended Viewing Distance	10m-70m
	驱动 IC	Driver IC	北方集创 ICND2037
	画面刷新率	Refresh Rate	1200Hz
	白平衡亮度	Brightness of White Balance	6000cd/m²
	输入电压	Input Voltage	110- 220V;AC±10%
	工作温度/湿度	Operating Temperature/Humidity	-30°C ~+45°C
	平均功耗	Average Power Consumption	220w/m²
	最大功耗	Max. Power Consumption	850w/m²
	寿命	Life Time	>100000 hours
	坏灯率	Bad Light Rate	<0.0001
	平均无故障时间	MTBF	>5000 hours

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案例分享

CASE SHARING



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安装方式

INSTALLATION METHOD

		
☐ 单立柱式	☐ 双立柱	☐ 悬挂吊顶式
		
☐ 嵌入式	☐ 壁挂式	☐ 楼顶支撑式
		
☐ F架式	☐ 龙门架式	☐ 车载移动式

产品特点

PRODUCT FEATURES

- 画面色彩靓丽清晰逼真
The color of the picture is beautiful, clear and vivid.
- 产品节能环保，安装便捷，防水效果好。
Product energy saving and environmental protection, easy installation, good waterproof effect.
- 整屏无缝拼接，点对点精细化显示，信号稳定，图文精确显示
Seamless splicing of the whole screen, point to point fine display, stable signal, accurate graphic display.
- 主要应用于户外交通运输，运营商，消防，安检，学校等等
Mainly used in outdoor transportation, operators, fire, security, schools and so on.

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注意事项

MATTERS NEEDING ATTENTION

温度范围(Temperature range):

工作温度控制在: -20 - 50℃ 存储温度控制在: -10-30℃
The operating temperature is controlled at: -20-50 °C. The storage temperature is controlled at: -10-30℃

湿度范围(Humidity range):

工作湿度控制在: 10%-65%RH 存储湿度控制在: 10%-60%RH
The operating humidity is controlled at: 10%-65%RH. The storage humidity is controlled at: 10%-60%RH

防水: 户外产品防护等级较高为 IP65, 更有防水箱体的保护, 从而能够有效的防止雨水或者潮湿带来的灯珠或者线路板出现短路烧坏故障;

The highest waterproof protection level of outdoor products is IP65, more waterproof cabinet protection, which can effectively prevent the short circuit burning fault of lamp beads or circuit boards caused by rain or moisture;

防尘: 户外产品防护等级较低为 IP30, 显示屏暴露在灰尘较多的环境中, 容易引起电路短路, 导致线路板及元器件损坏;

Dustproof: The protection level of outdoor products is IP30, and the display screen is exposed to the environment

with more dust, which is easy to cause short circuit,
resulting in damage to the circuit board and components;
防电磁辐射：显示屏不宜放置在电磁辐射干扰较大的环境中，易引起
画面显示异常；

Anti-electromagnetic radiation: the display should not be
placed in an environment with large electromagnetic
radiation interference, which is easy to cause abnormal
display of the picture;

防静电：电源、箱体、屏体金属外壳需接地良好，接地电阻 $\leq 10\ \Omega$ ，
避免静电对电子器件造成损坏；

Anti-static: the power supply, Cabinet, screen body metal
shell needs to be well grounded, grounding resistance < 10
 Ω , to avoid electrostatic damage to electronic devices;

备品说明

DESCRIPTION OF SPARE PARTS

备品主要包括灯珠，IC，面罩，部分排线，5V 模组电源线等等，可
根据客户要求是否备用模组。

Spare parts mainly include lamp beads, IC, mask, partial
wiring, 5V module power cord, etc. Spare modules are
available according to customer requirements.

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使用说明

INSTRUCTIONS FOR USE

静电防护：安装人员需佩戴静电环及静电手套进行作业；

Electrostatic protection: installation personnel need to wear electrostatic ring and electrostatic gloves for operation;

接线方式：模组有正负极丝印标识，不能接反，切勿接入 220V 交流电；

Wiring mode: The module has a positive and negative screen printing mark, can not be reversed, do not connect to 220V AC;

作业方式：禁止在通电的情况下安装模组、箱体、整屏，需在完全断电的情况下操作，保护人身安全；显示屏在点亮时禁止人员触摸，以免人体摩擦产生的静电击穿 LED 及元器件；

Operation mode: It is forbidden to install the module, box and whole screen under the condition of power on. It is necessary to operate under the condition of complete power off to protect personal safety; When the display is lit, it is forbidden for people to touch it to avoid the electrostatic breakdown of LED and components caused by human body friction.

拆装与运输：不得摔、推、挤、压模组，防止模组跌落磕碰，以免发生套件破裂、损坏灯珠等问题；

Disassembly and transportation: do not drop, push, squeeze, press the module to prevent the module from falling and

bumping, so as to avoid problems such as breaking the kit and damaging the lamp beads;

环境检查：显示屏现场需配置温湿度计，监控屏体周围环境，为及时发现显示屏是否有受潮、水气等问题；

Environment check: A hygrograph must be configured on the display site to monitor the surrounding environment of the display to detect moisture, moisture, and other problems on the display in time.

显示屏的使用： A:环境湿度在 10%-65%RH 范围内，建议每天要开屏一次，每次正常使用4 小时以上来除去显示屏的湿气； B:环境湿度在 65%RH 以上时，需对环境进行除湿处理，并建议每天正常使用 8 小时以上，关好门窗，以防显示屏受潮引起不良； C: 当显示屏长时间未使用时，使用前需对显示屏预热除湿，避免受潮引起灯管不良，具体方式：20%亮度点亮 2 小时，40%亮度点亮 2 小时， 60%亮度点亮 2 小时，80%亮度点亮 2 小时，100 亮度点亮 2 小时，以此亮度逐级递增老化。

The use of the display screen: A:the ambient humidity is in the range of 10%-65%RH, it is recommended to open the screen once a day, and use it for more than 4 hours each time to remove the moisture of the display screen; B:when the ambient humidity is above 65%RH, the environment needs to be dehumidified, and it is recommended to use more than 8 hours a day, close the doors and Windows, to prevent the display from being affected by moisture;

C:When the display has not been used for a long time, the display should be preheated and dehumidified before use to avoid bad light tubes caused by moisture, Specific way: 20% brightness lit for 2 hours, 40% brightness lit for 2 hours, 60% brightness lit for 2 hours, 80% brightness lit for 2 hours, 100 brightness lit for 2 hours, and the brightness gradually increases aging.

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