



Features

- Die-Cast Aluminum
- Heat-Treated PCBs
- 4-Layer PCB
- IP65 Rating
- Premium PCBA Material
- Adjustable Cabinet Lock
- 3 Years Standard Warranty (extendable up to 5 years)

The Orion P3 Outdoor Rigel Series is engineered for robust outdoor performance, combining durability with exceptional visual clarity. Built with high-quality Nationstar LED chips and encapsulation, along with a 4-layer PCB and the reliable ICN2153 driver IC, this display ensures stable and vibrant output. Its IP65 rating guarantees protection against dust and water, making it ideal for all-weather use. The cabinet is made of die-cast aluminum and features a sleek design with an adjustable lock system, offering precision assembly of less than 0.1 mm. The innovative louver design enhances contrast and visibility during daytime use without compromising the wide viewing angle, making it suitable for both indoor and outdoor applications. Advanced surface mount technology is used to control and monitor paste application, rejecting any inconsistencies to maintain a high yield rate.

Technical Specification

S.NO.	Product Parameter	SMD P3
1	Pixel Pitch in mm	3
2	Pixel Density in sqm	111000
3	Module Size in mm	192x192
4	Cabinet Size in mm	768x768
5	Cabinet Weight in KG	16
6	Viewing Angle in H/V	140/140
7	Brightness in cd/sqm	5,000
8	Color Depth	14 bit
9	Refresh Rate in Hz	≥3840
10	Voltage	220v
11	Avg. Power Consumption (W)	200
12	Max Power Consumption (W)	450
13	Service Excess	Rear
14	IP Grade Front/Rear	65/54
15	Operating Temperature (-/+)	-10°C~+65°C
16	Operating Humidity	0-99%
17	Life Time in hrs	100,000
18	MTBF in hrs	5,000

S.No.	Component Parameter	SMD P3
1	LED Chip	Nationstar Copper
2	PCB	4 layer
3	Driver IC	ICN/DP/MBI
4	Power Supply	Chuangliang
5	Controller	Nova
6	Cabinet Material	Die Cast

Specifications and product information are subject to change without prior notice due to ongoing innovation and development. For the most up-to-date details, please visit www.orion-led.com.

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