



Features

- Die-Cast Aluminum
- 6-Layer PCB
- IP65 Rating
- CREE LED Chip
- Greatwall Power Supply
- High Yield Rate
- 3 Years Standard Warranty (extendable up to 5 years)

The Orion P10 Outdoor Rigel Series is engineered for robust performance in outdoor settings, offering an IP65-rated enclosure that protects against dust and water while delivering high brightness and contrast for clear visibility in any lighting condition. Built with top-tier components, it features high-quality PCBA material and 6-layer PCBs that are heat-treated for at least 24 hours prior to SMD LED installation, ensuring long-term durability. The system integrates CREE LED chips and encapsulation, a powerful MB15153 driver IC, and a dependable Greatwall power supply. For added safety and convenience, it includes color-coded high-quality cables and a built-in fuse in every cabinet to support safe installation and maintenance.

Technical Specification

S.NO.	Product Parameter	SMD P10
1	Pixel Pitch in mm	10
2	Pixel Density in sqm	10,000
3	Module Size in mm	320 x 160
4	Cabinet Size in mm	960X960
5	Cabinet Weight in KG	27
6	Viewing Angle in H/V	140/140
7	Brightness in cd/sqm	6000
8	Color Depth	14 bit
9	Refresh Rate in Hz	≥3840
10	Voltage	220v
11	Avg. Power Consumption (W)	225
12	Max Power Consumption (W)	650
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 P10
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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