



Features

- IP65 protection
- Rear service access
- High humidity tolerance
- Heat-Treated PCB
- Fuse protection
- Wide temperature range
- 2 Years Standard Warranty (extendable up to 3 years)

The Orion P10 Outdoor Bellatrix Series is designed to deliver exceptional performance and durability in demanding environments. Engineered with high-quality Atenti SMD LED chips and a 2-layer PCB, it ensures reliable and efficient operation. This series boasts an impressive IP65/IP54 rating (front/rear), allowing it to operate seamlessly in harsh weather conditions with humidity tolerance up to 99%. Its special louver design enhances contrast and visibility even in daylight without compromising the viewing angle. Built using advanced surface mount technology, each unit undergoes strict quality control to ensure high yield and consistency. Additional benefits include heat-treated PCBs, color-coded high-quality cables, and fused cabinet safety, making it an ideal solution for a wide variety of outdoor display applications.

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	120/120
7	Brightness in cd/sqm	5000
8	Color Depth	12 bit
9	Refresh Rate in Hz	≥1920
10	Voltage	220v
11	Avg. Power Consumption (W)	350
12	Max Power Consumption (W)	750
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	50,000
18	MTBF in hrs	5,000

S.No.	Component Parameter	SMD P10
1	LED Chip	Atenti SMD
2	PCB	2 layer
3	Driver IC	ICN/SM/DP
4	Power Supply	Rong
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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