



Features

- Ultra-Fine Pixel Pitch
- Excellent Heat Dissipation
- Moderate Brightness
- Fanless Metal Cooling
- Versatile Application
- 24/7 Reliable Operation
- 5 Years standard warranty (extendable up to 7 years)

The Orion Indoor P1.8 mm Display is built with a die-cast aluminum frame featuring a unique design that enables easy and seamless splicing. Designed for front access and wall-mounted setups, it allows for quick replacement and maintenance. A special mask design minimizes light reflection, while a durable plastic back shell protects the PCB board from damage. The integration of flight plugs and side locks ensures fast, secure connections and straightforward installation. With a metal cooling structure, the display offers efficient heat dissipation without noise or the need for fans. High-quality, color-coded cables enhance reliability and ease of setup. Delivering pure images with smooth gradation, the display produces delicate and vibrant visual effects. Its versatile design makes it ideal for various applications, including intelligent LED TV monitoring centers, large-scale summits, and other professional environments.

Technical Specification

S.NO.	Product Parameter	SMD P1.8
1	Pixel Pitch in mm	1.86
2	Pixel Density in sqm	2,84,444
3	Module Size in mm	300 x 168.75
4	Cabinet Size in mm	600 x 337.5
5	Cabinet Weight in KG	6.5
6	Viewing Angle in H/V	160/160
7	Brightness in cd/sqm	1,000
8	Color Depth	16 Bit
9	Refresh Rate in Hz	≥7,680
10	Voltage	220v
11	Avg. Power Consumption (W)	225
12	Max Power Consumption (W)	550
13	Service Excess	Front
14	IP Grade Front/Rear	31/31
15	Operating Temperature (-/+)	0°C~+50°C
16	Operating Humidity	0-50%
17	Life Time in hrs	1,00,000
18	MTBF in hrs	10,000

S.No.	Component Parameter	SMD P1.8
1	LED Chip	Nation star Gold Bond
2	PCB	6 Layer
3	Driver IC	MBI/ICN/TI
4	Power Supply	Meanwell
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.



ATENTI ORIGINS PHOTOELECTRICITY CONSORT PVT.LTD.

Reg. Office: 504, 5th Floor ABW Elegance Tower, Jasola District Centre, Jasola, New Delhi - 110025

Branch Offices: Lucknow, Mumbai, Hyderabad

Factory : B-10, Sector-88, Noida - 201301

