

AP Series

High Brightness and Durability for Large-Scale Outdoor Installations

The AP Series is a robust LED system designed for demanding outdoor applications that require maximum brightness, low weight, and energy efficiency.

It combines high performance, precise calibration, and structural durability, making it an ideal solution for billboards, façades, and stadium screens.

High Brightness up to 6,500 nits

- Direct chip-to-substrate connection ensures higher efficiency, lower temperature, and longer lifespan.

Lightweight Construction

- Aluminum frame with a lightweight profile — only 22.5 kg per panel.
- Ideal for installation on light façades or structures with limited load capacity.

Energy-Efficient Operation

- Next-generation LED drivers reduce energy consumption by up to 30% compared to standard outdoor modules.
- Intelligent brightness control adjusts automatically to ambient light conditions (Automatic Brightness Adjustment).

Full IP65 / IP54 Protection

- Resistant to rain, dust, and UV radiation, certified for 24/7 outdoor operation.

Typical Applications

- Large-format billboards
- Stadium and sports screens
- Building façade installations
- Outdoor events and public displays

AP Series — extreme brightness, low weight, and efficient operation.
Performance that lasts — effective and reliable.

Technical Specifications

Pixel Pitch	P3.9 – P10
Brightness	5500 – 6500 nits
Contrast Ratio	10,000:1
Viewing Angle	160°
Panel Size	1000 × 1000 mm
Weight	22.5 kg
Service Access	Rear / Front
Lifespan	> 100,000 hours
Power Consumption	Max 650 W/m ²
Refresh Rate	3840 Hz
Operating Temperature	−30 °C to +60 °C
Notes	Up to 30% energy savings compared to standard panels