

Outdoor 10mm Pixel Pitch LED Display Module

This outdoor full-color LED display module has a 10mm pixel pitch with SMD3535 LEDs. The module's dimensions are 320mm x 160mm, with a resolution of 32 x 16 pixels and a pixel density of 512 dots/module.



Overview

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This 10mm pixel pitch LED display module is engineered for high-performance outdoor advertising and information dissemination. Featuring a robust design capable of withstanding diverse environmental conditions, it offers exceptional brightness levels and wide viewing angles to ensure content remains visible and vibrant. With a long operational lifespan and high reliability, this module is an ideal solution for durable, large-scale outdoor visual displays.

Display Performance

Pixel Density	10000 dots/m ²
Brightness	5500 cd/m ²
Viewing Angle	160° Horizontal / 120° Vertical
Refresh Rate	800 Hz
Display Colors	64G (under 4096 level gray scale)

Technical Specifications

Power Requirements

1000 W/SQM
Max Consumption

350 W/SQM
Avg Consumption

Operating Environment

Metric	Range
Temperature	-20 to +50 °C
Humidity	10% - 95%

Reliability Metrics

- Life-span: 100,000 Hours
- Average No Failure Time: >8,000 Hours
- Continual Running Time: >72 Hours

Connectivity

Transmission Distance

Medium	Max Distance
Unshielded Twisted Pair	130m
Multi-mode Fiber	500m
Single-mode Fiber	10km

Signal Interface

DVI, S-VIDEO, CVBS, VGA, PAL/NTSC