



# TRULY SUNLIGHT READABLE MINI-LED DISPLAY MODULES



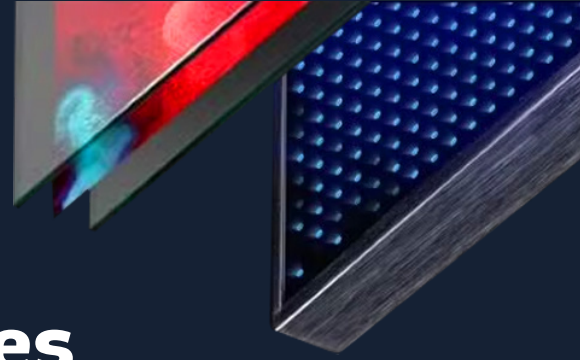
As a leading global supplier of LED components, integrated solutions, and design services, American Bright has entered the Mini-LED display modules market to establish itself as a leader in this rapidly expanding arena.

## What is a Mini-LED Display?

These Full-Array Backlighting Liquid Crystal Modules (LCM) enhance Full-Array Local Dimming by utilizing internal ICs for improved contrast, brightness, and color accuracy compared to traditional LED displays.

Mini-LEDs are illuminating the future of displays with their stunning visuals, power efficiency, and innovative applications.

# TRULY SUNLIGHT READABLE Mini-LED Display Modules



## | FEATURES

### HIGHER BRIGHTNESS LEVEL

- Sunlight Readable - 3,000 to 20,000+ nits

### FULL ARRAY LOCAL DIMMING

- Brighter images for vibrant light scenes
- Deeper blacks for enhanced contrast and shadow detail

### HIGH CONTRAST RATIO - 1,000,000:1

- Full Array Local Dimming: Up to 4,096 levels of fine-grained adjustment per zone
- Dynamic Brightness Control: Each zone adapts to content, enhancing contrast and brightness

### LOW POWER CONSUMPTION

- Smart Dimming: LEDs dim or turn off in dark areas, reducing energy waste
- Content-Adaptive Efficiency: Up to 50% energy savings depending on displayed content

### LOW TEMPERATURE

- Cooler Operation (< 50°C) for enhanced system stability

## | APPLICATIONS

### INDUSTRIAL

Ideal for hand-held computers and tablets for outdoor use, outdoor meters, gas station pumps, sewer cameras, solar farm displays, automatic hydraulic motor pumps and more

### OUTDOOR DISPLAYS

Mini-LED displays are sunlight-readable, making them perfect for applications like ATM's, ticketing machines, advertising kiosks, retail and commercial displays and wayfinding systems

### TRANSPORTATION

Mini-LEDs elevate transportation displays, including yacht and boat navigation systems, motorcycle gauges, construction equipment control panels, tractor monitoring systems, and more

### HEALTH CARE

Deliver unmatched clarity in medical imaging and diagnostics, where precision visuals are critical

### AUTOMOTIVE & EV CHARGING STATIONS

Enable vivid, dynamic visual experiences for head-up displays (HUDs), infotainment systems, and EV charging interface panels with high-performance LED solutions

## Contact Us

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