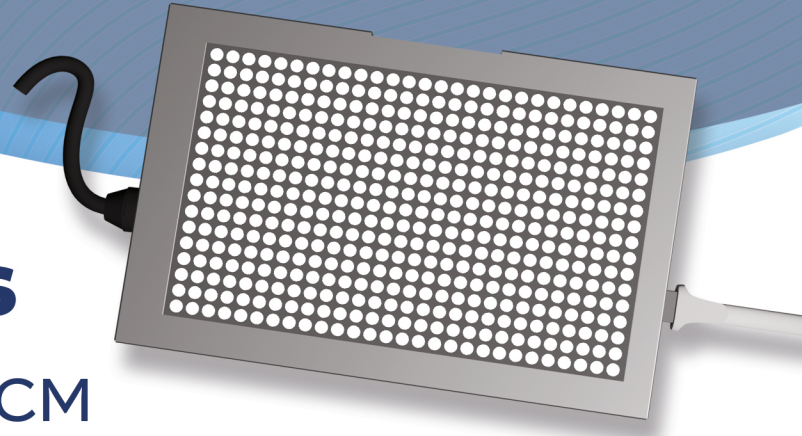


Shining Light on Mini-LED: The Future of Displays

Mini-LED Display Modules

Full-Array Backlighting LCM

These displays enhance Full Array Local Dimming (FALD) tech with smaller, more numerous LEDs for superior brightness control, surpassing standard FALD sets.



Features:

High Brightness Level
(3,000-20,000 nitss)

High Contrast Ratio
(1,000,000:1)

Local Dimming

Longevity
(>50,000 hours)

Low Temperture
(<50°C)

Sunlight Readable

Applications:

Automotive (Cars) - HUDs, Head-rest Monitors, Interior eMirrors

Navigation Panels - Motorcycles, Yachts

Automotive Fueling - Gas Stations, EV Charging Stations

Outdoor Uses - ATMs, Ticket Machines, Retail Displays

Industrial - Outdoor Meters, Handheld Devices, Portable Tablets



To meet customer requirements, the number of LEDs per zone varies from 1 to 16, depending on LCD size. The number of blocks needed is determined accordingly. A single board can accommodate 8 to 384 zones using one IC, ranging from 1x8 to 8x48 configurations. For larger LCDs, two boards can be linked in series (Daisy Chain), allowing up to 1536 zones with four boards in series. Minimum Order Quantity (MOQ) is flexible, subject to LCD panel manufacturer, with lead times spanning 45 to 90 days. An NRE Fee may apply.

Any questions? You can contact our sales at info.us@eb-lcm.com

OEM Service

Fully Automatic COG+FOG



High-Precision CCDs:

Cutting-edge CCD (Charge-Coupled Device) technology known for its exceptional precision.

Automation for Root and Loading/Unloading:

Automated systems designed for efficiently handling root processes as well as loading and unloading tasks.

Quality and Cost-Efficiency:

Delivering both high-quality performance and cost-effectiveness in operations.

Application Versatility:

Capable of meeting the demanding requirements of automotive, military, and marine sectors, ensuring suitability across various industries.

LCM OEM / Assembly Services

- ▶ Quick Sample Delivery
- ▶ High Quality, Affordable Prices
- ▶ Great Team Communication
- ▶ Strong Quality Checks

01

Scribing –
TFT/Touch Panel/Cover Glass
(Max. 730mm x 920mm)

02

Glass / Lens Polishing
(Max. 280mm x 280mm)



03

Soft to Hard Bonding –
POL / Explosion-Proof Membrane /
Functional Film / OCA on Glass
(Max. 920mm x 730mm)

04

Hard to Hard –
Module OCA Lamination
(Max. 27")

05

COG –
Chip on Glass (Max. 12.1")

06

ACF Attaching –
Interconnection IC – Cell /
FPC – PCB / COF – PCB

07

FOG –
FPC on Glass (Max. 15.6")

08

Fiber Laser Cutting
(Max. 1000mm x 2000mm)

09

Electric Bending
(Max. 2000mm x 2000mm)