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Global LCD modules for Automotive Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global LCD modules for Automotive market size is expected to reach $ 8651 million by 2032, rising at a market growth of 5.2% CAGR during the forecast period (2026-2032).
A LCD module for Automotive is a liquid crystal display used in vehicles to present visual information such as speed, navigation, entertainment, rear-view camera images, and system status. These screens are commonly found in instrument clusters, center consoles, head-up displays, and rear-seat entertainment systems. Designed to withstand harsh automotive conditions, they feature high brightness, wide temperature tolerance, vibration resistance, and anti-glare or anti-reflective coatings for visibility in sunlight. Automotive LCDs come in various technologies such as TFT (Thin-Film Transistor), IPS (In-Plane Switching), and LTPS (Low-Temperature Poly-Silicon), offering high resolution and energy efficiency to enhance both driver safety and user experience.
Annual shipments of this product are less than 100 million pieces. The price per unit of LTPS LCD products is higher than that of traditional a-Si LCD products, with an average selling price of approximately US$70 per piece. The gross profit margin for this product is between 15% and 20%.
The upstream of the LCD modules for Automotive market mainly includes raw material and component suppliers, such as glass substrates, polarizers, backlight units (BLUs), driver ICs, and liquid crystal materials, along with TFT array and module manufacturers who assemble display panels.
The downstream consists of automotive OEMs and Tier-1 suppliers (e.g., Continental, Denso, Bosch, and Visteon) who integrate these LCD modules into vehicle systems such as instrument clusters, infotainment displays, and head-up displays. Ultimately, the displays are delivered to automobile manufacturers for installation in passenger cars, commercial vehicles, and EVs, where they enhance driver information, connectivity, and

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user experience.

LCD modules for Automotives are evolving from single ?infotainment screens? into integrated cockpit surfaces?notably pillar-to-pillar dashboards and panoramic layouts?as OEMs use display real estate to differentiate software-defined interiors and passenger experiences. Within LCD, the value is shifting away from commodity a-Si panels toward automotive-grade LTPS TFT LCD (higher resolution, thinner form factors, better integration) and toward Mini-LED local dimming (sometimes with QD films) to approach OLED-like contrast while retaining LCD?s strengths in brightness, lifetime, and burn-in risk?a path already showing up in mass-produced vehicles and forecast commentary from display analysts. The competitive landscape is intensifying as major panel makers (notably across Korea/China/Taiwan/Japan) expand automotive focus and pair panels with touch/cover-glass, optical bonding, and cockpit integration capabilities. At the same time, safety and distraction pressure is rising?EU rules mandate advanced driver-distraction warning for new vehicle types from 2024, and Euro NCAP?s direction of travel rewards designs that reduce eyes-off-road time?so HMI design is becoming as important as display hardware, pushing OEMs toward clearer, simpler UI and hybrid control strategies even as screens grow.

This report studies the global LCD modules for Automotive production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for LCD modules for Automotive and provides market size (US$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of LCD modules for Automotive that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global LCD modules for Automotive total production and demand, 2021-2032, (K Pcs)
Global LCD modules for Automotive total production value, 2021-2032, (USD Million)
Global LCD modules for Automotive production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Pcs), (based on production site)
Global LCD modules for Automotive consumption by region & country, CAGR, 2021-2032 & (K Pcs)
U.S. VS China: LCD modules for Automotive domestic production, consumption, key domestic manufacturers and share
Global LCD modules for Automotive production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Pcs)
Global LCD modules for Automotive production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Pcs)
Global LCD modules for Automotive production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Pcs)

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This report profiles key players in the global LCD modules for Automotive market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Boe Technology, TCL China Star Optoelectronics Technology, JDI, Sharp, Tianma Microelectronics, LG Display, Innolux, Caihong Display Devices, InfoVision Optoelectronics, etc.
This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.
Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World LCD modules for Automotive market
Detailed Segmentation:
Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (K Pcs) and average price (US$/Pcs) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.
Global LCD modules for Automotive Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global LCD modules for Automotive Market, Segmentation by Type:

TFT-LCD

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LTPS-LCD

Global LCD modules for Automotive Market, Segmentation by Size:

Below 8 Inches

8-12 Inches

12-16 Inches

Above 16 Inches

Global LCD modules for Automotive Market, Segmentation by Shape:

Flat

Curved

Global LCD modules for Automotive Market, Segmentation by Application:

Digital Instrument Panel

Center Display

Rear Entertainment Screen

Others

Companies Profiled:

Boe Technology

TCL China Star Optoelectronics Technology

JDI

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Sharp

Tianma Microelectronics

LG Display

Innolux

Caihong Display Devices

InfoVision Optoelectronics

Key Questions Answered:

1. How big is the global LCD modules for Automotive market?
2. What is the demand of the global LCD modules for Automotive market?
3. What is the year over year growth of the global LCD modules for Automotive market?
4. What is the production and production value of the global LCD modules for Automotive market?
5. Who are the key producers in the global LCD modules for Automotive market?
6. What are the growth factors driving the market demand?

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