

Global Near-Infrared Automotive DMS Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Near-Infrared Automotive DMS market size is expected to reach \$ 1361 million by 2032, rising at a market growth of 12.2% CAGR during the forecast period (2026-2032).

In 2025, global shipments of near-infrared automotive DMS systems are estimated at approximately 21,432,880 units, with an average selling price of around USD 29.6 per unit. Near-infrared automotive DMS refers to driver monitoring systems that utilize near-infrared cameras combined with active infrared illumination (IR LEDs or VCSELs) to capture facial and eye information in non-visible light spectra. These systems maintain stable imaging performance under low-light, backlighting, and high-contrast conditions, and are primarily used for detecting driver fatigue, distraction, gaze direction, and eye closure. They represent a key high-reliability DMS technology path under current regulatory requirements and are widely adopted in mid-to-high-end passenger vehicles and platforms with stringent functional stability demands.

From a market perspective, near-infrared DMS systems have become one of the mainstream implementation approaches within regulation-driven DMS deployments, accounting for a significant share of total vision-based DMS shipments. OEMs generally favor near-infrared solutions in mass production programs to mitigate the impact of ambient lighting variability and to ensure consistent performance across regions and driving scenarios. As DMS transitions from optional to standard equipment, adoption of near-infrared systems continues to expand across mainstream vehicle platforms. Market consensus holds that near-infrared DMS systems are functionally mature, with competition increasingly centered on system cost, infrared emitter reliability, power consumption, and algorithm-hardware co-optimization. Once baseline regulatory requirements are met, differentiation mainly arises from emitter configuration strategies,

module integration levels, and long-term stability. Overall, the market exhibits clear volume-driven characteristics, with growth closely aligned to regulatory implementation timelines and vehicle platform replacement cycles.

This report studies the global Near-Infrared Automotive DMS production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Near-Infrared Automotive DMS 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 Near-Infrared Automotive DMS that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Near-Infrared Automotive DMS total production and demand, 2021-2032, (Units)

Global Near-Infrared Automotive DMS total production value, 2021-2032, (USD Million)

Global Near-Infrared Automotive DMS production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)

Global Near-Infrared Automotive DMS consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: Near-Infrared Automotive DMS domestic production, consumption, key domestic manufacturers and share

Global Near-Infrared Automotive DMS production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

Global Near-Infrared Automotive DMS production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

Global Near-Infrared Automotive DMS production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global Near-Infrared Automotive DMS 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 Valeo, Continental, Bosch, Aptiv, Tobii, Denso, LG Electronics, Magna, Panasonic, Visteon, 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 Near-Infrared Automotive DMS market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (US\$/Unit) 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 Near-Infrared Automotive DMS Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Near-Infrared Automotive DMS Market, Segmentation by Type:

Detached

Integrated

Global Near-Infrared Automotive DMS Market, Segmentation by Illumination Mode:

Active

Passive

Global Near-Infrared Automotive DMS Market, Segmentation by Field of View:

Narrow Field of View ($\leq 60^\circ$)

Medium Field of View ($60^\circ\text{--}90^\circ$)

Wide Field of View (> 120°)

Global Near-Infrared Automotive DMS Market, Segmentation by Application:

Commercial Vehicle

Passenger Car

Companies Profiled:

Valeo

Continental

Bosch

Aptiv

Tobii

Denso

LG Electronics

Magna

Panasonic

Visteon

OFILM Group

HIRAIN Technologies

Desay SV Automotive

Foryou Corporation

Zhejiang Huaruijie Technology Co., Ltd.

Guangzhou Kandide Electronic Technology Co., Ltd.

Crystal-Optech

OmniVision Technologies

Minth Group

Guangzhou MINIEYE Digital Technology Co., Ltd.

Key Questions Answered:

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

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