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Global Automotive Active Safety System Market Size Study & Forecast, by Type (Tire-pressure Monitoring System, Lane Departure Warning, Adaptive Cruise Control) and Sensor Type (Camera Sensor, Radar Sensor, Lidar Sensor) and Regional Forecasts 2025-2035

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Abstracts

The Global Automotive Active Safety System Market was valued at approximately USD 16381.34 million in 2024 and is expected to witness an exponential upswing, expanding at a compelling CAGR of 18.20% over the forecast period 2025–2035. Automotive active safety systems encompass a suite of advanced technologies engineered to prevent accidents or mitigate their severity by continuously monitoring vehicle surroundings and driver behavior. These systems—ranging from tire-pressure monitoring and anti-lock braking to adaptive cruise control and driver monitoring—are increasingly becoming integral to modern vehicle architectures. Market momentum is being powered by the convergence of stricter safety regulations, rising consumer awareness, and the automotive industry's broader pivot toward intelligent, software-defined vehicles.

As road safety concerns intensify globally, automakers are dialing up investments in sensor-rich safety ecosystems that can read, process, and react to real-time driving conditions. The growing penetration of electric vehicles, combined with advancements in camera, radar, and lidar technologies, has further pushed active safety systems from optional features to baseline requirements. Moreover, the steady transition toward semi-autonomous driving has amplified demand for robust safety layers that can work through complex traffic scenarios and assist drivers proactively. Despite high system integration costs and calibration complexities, rapid technological maturation continues to smooth adoption curves across both developed and emerging markets.

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The detailed segments and sub-segments included in the report are:

By Type:

Tire-pressure Monitoring System

Lane Departure Warning

Adaptive Cruise Control

Night Vision System

Driver Monitoring

Antilock Braking System

Blind Spot Detection

By Sensor Type:

Camera Sensor

Radar Sensor

Lidar Sensor

By Vehicle Type:

Passenger Cars

Light Commercial Vehicles

Heavy Commercial Vehicles

Buses & Coaches

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By Propulsion Type:

- ICE
- Electric

By Region:

North America

- U.S.
- Canada

Europe

- UK
- Germany
- France
- Spain
- Italy
- Rest of Europe

Asia Pacific

- China
- India
- Japan

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Australia

South Korea

Rest of Asia Pacific

Latin America

Brazil

Mexico

Middle East & Africa

UAE

Saudi Arabia

South Africa

Rest of Middle East & Africa

Passenger cars are expected to dominate the Global Automotive Active Safety System Market over the forecast horizon, accounting for the largest share of system deployment. High production volumes, coupled with growing consumer expectations around safety and comfort, have made active safety features a standard fitment in new passenger vehicles. Regulatory mandates across major automotive markets are further compelling OEMs to roll out advanced safety technologies at scale. While commercial vehicles and buses are steadily integrating these systems, passenger cars continue to anchor demand due to faster technology diffusion and higher model refresh cycles.

In terms of revenue contribution, adaptive cruise control and antilock braking systems currently lead the market, supported by widespread adoption and regulatory enforcement. These systems deliver immediate, tangible safety benefits and are often bundled with other driver assistance features, boosting their commercial footprint. Camera and radar sensors form the backbone of these solutions, generating substantial

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value across the supply chain. Although lidar and night vision systems are gaining traction in premium and electric vehicle segments, the bulk of present-day revenues remains concentrated in proven, high-volume safety technologies.

Geographically, North America commands a substantial share of the Global Automotive Active Safety System Market, driven by early technology adoption, stringent vehicle safety standards, and a strong presence of leading automotive OEMs and technology providers. Europe follows closely, underpinned by aggressive road safety initiatives and regulatory frameworks that mandate advanced driver assistance systems across vehicle categories. Asia Pacific is projected to emerge as the fastest-growing region during the forecast period, fueled by rising vehicle production, rapid urbanization, and increasing safety awareness in countries such as China, Japan, and India. Meanwhile, Latin America and the Middle East & Africa are gradually gaining momentum as safety regulations evolve and automotive markets mature.

Major market players included in this report are:

- Robert Bosch GmbH
- Continental AG
- ZF Friedrichshafen AG
- Denso Corporation
- Magna International Inc.
- Valeo SA
- Hyundai Mobis
- Autoliv Inc.
- Aptiv PLC
- Panasonic Automotive Systems
- NVIDIA Corporation

Texas Instruments Incorporated

Mobileye (an Intel Company)

Hella GmbH & Co. KGaA

Hitachi Astemo, Ltd.

Global Automotive Active Safety System Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast period - 2025-2035

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent to up to 8 analysts' working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define the market sizes of different segments and countries in recent years and to forecast their values for the coming years. The report is structured to weave together qualitative insights and quantitative analysis, shedding light on the drivers, restraints, and opportunities shaping the Global Automotive Active Safety System Market. It further dissects competitive strategies, technology roadmaps, and product portfolios, enabling stakeholders to position themselves effectively in a rapidly evolving automotive safety landscape.

Key Takeaways:

Market estimates and forecasts for 10 years from 2025 to 2035.

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Annualized revenues and regional-level analysis for each market segment.

Comprehensive geographical assessment with country-level insights.

Detailed competitive landscape profiling major market participants.

Strategic evaluation of business initiatives and future growth pathways.

Analysis of the competitive structure of the market.

Balanced assessment of demand-side and supply-side market dynamics.

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