

Global Passenger Vehicle Level 3 Autonomous Driving System Market Growth (Status and Outlook) 2026-2032

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Abstracts

The global Passenger Vehicle Level 3 Autonomous Driving System market size is predicted to grow from US\$ 351 million in 2025 to US\$ 662 million in 2032; it is expected to grow at a CAGR of 8.4% from 2026 to 2032.

Level 3 autonomous driving systems for passenger vehicles refer to systems that allow vehicles to autonomously perform dynamic driving tasks such as steering, acceleration, and braking in specific scenarios (e.g., urban congestion, highways). Drivers do not need to continuously monitor the environment, but must respond promptly when the system requests takeover. Its core feature is 'human-machine co-driving,' where the system undertakes the primary driving tasks while retaining human intervention authority. It is suitable for commuting and long-distance travel. The industry's gross profit margin is approximately 35-50%.

This report presents a comprehensive overview, market shares, and growth opportunities of Passenger Vehicle Level 3 Autonomous Driving System market by product type, application, key players and key regions and countries.

Segmentation by Type:

Pre-installed Type

Aftermarket Type

Segmentation by Technology:

Multi-sensor Fusion

Pure Vision Solution

Vehicle-Road Cooperative

Segmentation by Function Category:

Basic Version

Full-Scenario Version

Segmentation by Application:

Short-distance Travel

Long-distance Travel

This report also splits the market by region:

United States

China

Europe

Other regions

Japan

South Korea

Southeast Asia

Rest of world

The report also presents the market competition landscape and a corresponding detailed analysis of the major players in the market. The key players covered in this report:

Mercedes-Benz

Tesla

Cruise

Changan Automobile

BAIC Jihu

BYD

NIO

XPeng

Li Auto

SAIC

Volvo

Waymo

Huawei

Nissan

Aurora

Motional

Nuro

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