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Global Intelligent Driving ADAS Domain Controller Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

https://marketpublishers.com/r/GB90CE7014B3EN.html
Date: August 2026
Pages: 118
Price: US$ 3,480.00 (Single User License)
ID: GB90CE7014B3EN

Abstracts

According to our (Global Info Research) latest study, the global Intelligent Driving ADAS Domain Controller market size was valued at US$ 2584 million in 2025 and is forecast to a readjusted size of US$ 8176 million by 2032 with a CAGR of 17.9% during review period.

Intelligent Driving ADAS Domain Controller is a centralized in-vehicle control unit built for intelligent driving assistance functions, integrating AI computing, multi-sensor processing, perception fusion, driving decision-making, vehicle control, and in-vehicle communication into one domain-controller platform. Compared with an automotive-grade ADAS domain controller, this product definition places greater emphasis on intelligent driving scenario coverage, real-time perception, algorithm iteration, multi-sensor collaboration, assisted-driving decision logic, parking assistance expansion, and scalable software deployment across vehicle platforms. In 2025, production was 8.1 million units and the average price was USD 310 per unit. The industry?s capacity utilization rate in 2025 was about 65%, and the average gross margin was around 26%. Upstream, the key components mainly include high-computing automotive-grade SoC chips, memory chips, PMIC power management chips, and Ethernet switch chips, with representative suppliers such as Horizon Robotics, SemiDrive, and Micron Technology providing core computing, processing, and storage components. The midstream segment focuses on domain controller hardware design, AI computing platform configuration, sensor interface integration, perception algorithm deployment, intelligent driving algorithm calibration, vehicle communication design, thermal management, functional safety validation, software calibration, system testing, and vehicle-level integration, which together determine computing efficiency, perception accuracy, control stability, safety reliability, software scalability, and cost competitiveness. Downstream,

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Intelligent Driving ADAS Domain Controller is mainly used in passenger cars and commercial vehicles, helping vehicle platforms integrate intelligent driving assistance functions into a centralized computing and control architecture, with representative customers including Toyota, Volkswagen, and BYD.

Intelligent Driving ADAS Domain Controllers will be adopted as vehicle platforms treat assisted driving as a software-defined system rather than a collection of separate functions. In passenger cars, the controller must coordinate perception, decision-making, lane assistance, adaptive cruise, emergency braking, parking assistance, and low-speed maneuvering under one computing architecture. Commercial vehicles will use it more for safety supervision, blind-zone reduction, driver workload relief, and fleet operation reliability. The market logic is shifting from adding features to improving system-level intelligence. Suppliers will be evaluated by computing efficiency, perception fusion quality, software iteration speed, functional safety, thermal reliability, and cross-platform deployment capability.

This report is a detailed and comprehensive analysis for global Intelligent Driving ADAS Domain Controller market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Intelligent Driving ADAS Domain Controller market size and forecasts, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global Intelligent Driving ADAS Domain Controller market size and forecasts by region and country, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global Intelligent Driving ADAS Domain Controller market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global Intelligent Driving ADAS Domain Controller market shares of main players,

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shipments in revenue ($ Million), sales quantity (K Units), and ASP (US$/Unit), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Intelligent Driving ADAS Domain Controller

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Intelligent Driving ADAS Domain Controller market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Continental/Aumovio (Germany), Bosch (Germany), Huawei (China), Aptiv (USA), Valeo (France), Desay SV (China), Neusoft Reach (China), Foryou Corporation (China), Jingwei Hiain (China), iMotion Automotive Technology (China), etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Intelligent Driving ADAS Domain Controller market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Entry-Level Domain Controller

Highway NOA Domain Controller

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Urban NOA Domain Controller

Others

Market segment by Computing Power

Computing Power?50TOPS

50TOPS

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