+357 96 030922
info@marketpublishers.com

Automotive Intelligent Park Assist Systems Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Vehicle Type (Passenger Cars and Commercial Vehicles), By Sensor Component (Ultrasonic Sensor, Camera), By Technology (Autonomous Parking Assist and Semi-Autonomous Parking Assist), By Region & Competition, 2021-2031F

https://marketpublishers.com/r/A5F2C0D154B4EN.html
Date: May 2026
Pages: 180
Price: US$ 4,500.00 (Single User License)
ID: A5F2C0D154B4EN

Abstracts

The Global market for Automotive Intelligent Park Assist Systems is anticipated to expand from USD 23.87 billion in 2025 to USD 34.99 billion by 2031, reflecting a compound annual growth rate of 6.58%. These systems utilize software, cameras, and sensors to either fully or partially automate the parking process, thereby improving safety and ease of use for drivers. Growth in this sector is largely fueled by rising consumer interest in superior safety ratings and convenience-enhancing features, coupled with the need to easily park in crowded urban settings. Additionally, broader regulations that promote the inclusion of advanced safety features in new cars serve as a major catalyst for market development.

A key obstacle hindering broader market growth is the high expense linked to incorporating sophisticated control units and sensor arrays, which often limits the use of these systems in budget-friendly vehicles. Despite this financial hurdle, the broader automotive sector continues to expand, offering a strong manufacturing foundation for these integrated technologies. This is evidenced by data from the European Automobile Manufacturers' Association (ACEA), which reported a 3.5% increase in global car registrations in 2025, reaching a total of 77.6 million units.

+357 96 030922
info@marketpublishers.com

Market Driver

Rapid urbanization and the resulting shortage of parking in cities worldwide serve as major driving forces behind the growth of the intelligent park assist systems market. With urban populations on the rise, accessible parking spots are becoming scarcer, forcing drivers to spend more time and energy finding and navigating into available spaces. This increasing inconvenience naturally steers consumers toward vehicles featuring automated or streamlined parking capabilities. Reinforcing this trend, TomTom’s 2024 Traffic Index noted that U.S. cities saw a 9% rise in traffic congestion in January 2025 compared to 2023, emphasizing the escalating difficulties of urban transit and the corresponding need for smart parking technologies.

Ongoing progress in artificial intelligence and sensor technology provides the essential foundation for the improvement and wider acceptance of intelligent parking systems. Breakthroughs in camera technology, ultrasonic sensors, lidar, and radar grant vehicles enhanced spatial awareness, resulting in highly accurate and dependable parking execution. At the same time, advanced AI models interpret this sensor information to seamlessly detect surroundings, obstacles, and open spots, enabling self-directed parking. Highlighting the industry's dedication to these AI-powered features, Bosch declared in January 2026 its intention to invest more than $2.9 billion in artificial intelligence by late 2027. This rapid technological evolution, paired with robust automotive manufacturing—demonstrated by the OICA's report of over 68.7 million vehicles built in the first three quarters of 2025—greatly supports the incorporation of these sophisticated driver-assistance systems.

Market Challenge

The steep expenses tied to the incorporation of advanced control units and intricate sensor networks pose a major barrier to the expansion of the global market for intelligent park assist systems. Components like high-definition cameras, ultrasonic sensors, and radar, combined with their required processing software, substantially drive up vehicle production costs. This economic strain prevents the broad implementation of automated parking technologies, especially in price-sensitive categories like mid-tier and entry-level automobiles, where buyers focus on affordability and automakers navigate slim profit margins.

These financial barriers directly constrain the technology's market reach, given that a massive segment of the worldwide auto industry is dedicated to budget-friendly

+357 96 030922
info@marketpublishers.com

vehicles. Illustrating the scale of this value-driven segment, the China Association of Automobile Manufacturers (CAAM) reported that domestic brands secured 69.5 percent of China's passenger car market in 2025, highlighting an enormous demand for economical automotive solutions. As a result, elevated manufacturing expenses present a formidable challenge for automakers trying to include intelligent park assist systems as standard equipment or reasonably priced upgrades in these popular vehicle tiers, ultimately slowing down broader market growth.

Market Trends

A major trend currently transforming the industry is the shift toward fully autonomous and valet parking, transitioning these systems from mere driver aids to completely unassisted vehicle drop-off and retrieval solutions. This advancement dramatically improves parking efficiency in crowded cities while delivering maximum convenience, allowing cars to independently maneuver through complicated facilities and park without any driver input. Highlighting this shift, Hyundai introduced its WIA parking robot technology at its Seoul Seongsu office and the Singapore Innovation Center, where its Smart Parking Control System can manage up to 50 robots at once, as reported by Oddity Central in a June 2025 article titled 'These Metal Slab Robots Could Be the Future of Automated Parking'. Such developments clearly indicate an industry movement toward deeply integrated, highly autonomous infrastructure.

The utilization of Over-the-Air (OTA) updates to enhance system performance is revolutionizing how intelligent park assist systems are maintained and upgraded throughout their lifespan. By enabling the remote delivery of vital bug fixes, novel features, and software upgrades, this approach boosts system dependability and minimizes the necessity for physical dealership appointments. OTA capabilities ensure that user interfaces, sensor calibrations, and parking algorithms can be persistently improved to meet shifting user needs. This growing dependence on remote post-purchase upgrades was emphasized in a January 2026 BizzyCar report, 'Automotive Recall Alert: 8.6 Million Vehicles Recalled in Q4 2025', which noted that more than 1.3 million vehicles qualified for recall resolutions through OTA software updates in the fourth quarter of 2025. Ultimately, this functionality expedites the rollout of innovative features while simultaneously lowering maintenance costs for vehicle owners.

Key Market Players

Robert Bosch GmbH

+357 96 030922
info@marketpublishers.com

Continental AG

ZF Friedrichshafen AG

Valeo SA

Magna International Inc

Siemens AG

Denso Corporation

NXP Semiconductors N.V.

Aisin Seiki Co., Ltd.

HELLA GmbH & Co. KGaA

Report Scope

In this report, the Global Automotive Intelligent Park Assist Systems Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Automotive Intelligent Park Assist Systems Market, By Vehicle Type

Passenger Cars

Commercial Vehicles

Automotive Intelligent Park Assist Systems Market, By Sensor Component

Ultrasonic Sensor

Camera

Automotive Intelligent Park Assist Systems Market, By Technology

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Automotive Intelligent Park Assist Systems Market.

Available Customizations:

Global Automotive Intelligent Park Assist Systems Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

6. NORTH AMERICA AUTOMOTIVE INTELLIGENT PARK ASSIST SYSTEMS MARKET OUTLOOK

7. EUROPE AUTOMOTIVE INTELLIGENT PARK ASSIST SYSTEMS MARKET OUTLOOK

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

8. ASIA PACIFIC AUTOMOTIVE INTELLIGENT PARK ASSIST SYSTEMS MARKET OUTLOOK

+357 96 030922
info@marketpublishers.com

9. MIDDLE EAST & AFRICA AUTOMOTIVE INTELLIGENT PARK ASSIST SYSTEMS MARKET OUTLOOK

+357 96 030922
info@marketpublishers.com

10. SOUTH AMERICA AUTOMOTIVE INTELLIGENT PARK ASSIST SYSTEMS MARKET OUTLOOK

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Automotive Intelligent Park Assist Systems Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Vehicle Type (Passenger Cars and Commercial Vehicles), By Sensor Component (Ultrasonic Sensor, Camera), By Technology (Autonomous Parking Assist and Semi-Autonomous Parking Assist), By Region & Competition, 2021-2031F

Product link: https://marketpublishers.com/r/A5F2C0D154B4EN.html

Price: US$ 4,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/A5F2C0D154B4EN.html