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Global Autonomous Valet Parking Systems Market 2026 by Company, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Autonomous Valet Parking Systems market size was valued at US$ 894 million in 2025 and is forecast to a readjusted size of US$ 6990 million by 2032 with a CAGR of 34.9% during review period.

The Autonomous Valet Parking (AVP) System is an advanced intelligent transportation technology system designed to automate the parking and retrieval of vehicles within parking lots without direct driver intervention. Leveraging a multitude of advanced technologies such as environmental perception, high-precision positioning, and communication, the system offers functions including autonomous space detection, automatic parking, remote vehicle summons, and safety protection during driving. Through a mobile phone application, users can have their cars independently navigated to and parked in designated spots in the parking lot, eliminating the need for a driver to park the vehicle. Implemented through a multi-sensor approach incorporating machine vision, LiDAR (Light Detection and Ranging), millimeter-wave radar, and more. The AVP constitutes a favorable condition for the large-scale application of L4-level autonomous driving and stands as one of the key applications in the fields of intelligent transportation and autonomous driving.

Autonomous Valet Parking System is a controlled-environment automated driving application in which an unoccupied vehicle is handed over at a designated drop-off/transfer zone and then navigates at low speed within a defined parking facility to find a parking space, park, and later return to a pick-up zone. In standards and industry practice, AVP is commonly positioned as a Level 4 automated driving use case within a prescribed area and operating boundary?prioritizing a verifiable safety case and well-

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defined environmental conditions rather than open-road generality.

Technically, AVP is evolving along two main paths. A vehicle-centric approach relies primarily on onboard sensing and compute to localize, plan, and maneuver inside parking facilities, reducing infrastructure dependency but increasing the burden on onboard perception and robustness across diverse garages. An infrastructure-/facility-centric approach equips the parking facility with sensors, markers, connectivity, and edge compute to perceive the environment and coordinate vehicle motion, improving controllability and accelerating commercialization in specific sites while requiring facility investment and multi-party coordination. With international standards now published, AVP is moving from one-off pilots toward more repeatable deployments, supported by clearer expectations on operating functions, environmental conditions, and performance verification.

Commercially, AVP is not a single product but a system-of-systems spanning vehicle capability, parking facility equipment, and operational services. Automakers monetize vehicle-side features and user experience; suppliers deliver sensing, control, and integration; parking operators provide site access, retrofits, and daily O&M; and infrastructure/platform providers deliver facility sensing, orchestration, and backend operations. Value capture typically comes from vehicle feature packaging, site retrofit delivery plus software/maintenance revenue, and operator-side benefits such as improved bay utilization, reduced labor, and service bundling with charging, cleaning, and concierge offerings. In practice, the party that controls orchestration?and the clarity of safety responsibility boundaries?often determines scalability.

Regionally, AVP tends to advance fastest where regulations, standardization, and controlled pilot sites converge. Europe has been active in standardization and pilots, and Germany has hosted commercially approved trials?demonstrating a compliance pathway for driverless parking within defined facilities. Overall, AVP scales more like an infrastructure rollout (replicating site-by-site) than a purely vehicle-driven feature diffusion.

This report is a detailed and comprehensive analysis for global Autonomous Valet Parking Systems market. Both quantitative and qualitative analyses are presented by company, 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.

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Key Features:

Global Autonomous Valet Parking Systems market size and forecasts, in consumption value ($ Million), 2021-2032

Global Autonomous Valet Parking Systems market size and forecasts by region and country, in consumption value ($ Million), 2021-2032

Global Autonomous Valet Parking Systems market size and forecasts, by Type and by Application, in consumption value ($ Million), 2021-2032

Global Autonomous Valet Parking Systems market shares of main players, in revenue ($ Million), 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 Autonomous Valet Parking Systems

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 Autonomous Valet Parking Systems market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Valeo, Bosch, Motovis Intelligent Technology, Huawei, Apollo, UISEE, Momenta, Tesla, Voyager Technology, etc.

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

Market segmentation

Autonomous Valet Parking Systems market is split by Type and by Application. For the

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period 2021-2032, the growth among segments provides accurate calculations and forecasts for Consumption Value by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Smart Vehicle

Smart Infrastructure

Market segment by Parking ODD

Home-AVP

Public-AVP

Market segment by Vehicle

Internal Combustion Engines

New Energy Vehicles

Market segment by Application

Personal

Commercial

Market segment by players, this report covers

Valeo

Bosch

Motovis Intelligent Technology

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Huawei

Apollo

UISEE

Momenta

Tesla

Voyager Technology

Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)

South America (Brazil, Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Autonomous Valet Parking Systems product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Autonomous Valet Parking Systems, with revenue, gross margin, and global market share of Autonomous Valet Parking Systems from 2021 to 2026.

Chapter 3, the Autonomous Valet Parking Systems competitive situation, revenue, and global market share of top players are analyzed emphatically by landscape contrast.

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Chapter 4 and 5, to segment the market size by Type and by Application, with consumption value and growth rate by Type, by Application, from 2021 to 2032.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2021 to 2026.and Autonomous Valet Parking Systems market forecast, by regions, by Type and by Application, with consumption value, from 2027 to 2032.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Autonomous Valet Parking Systems.

Chapter 13, to describe Autonomous Valet Parking Systems research findings and conclusion.

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