

Global HD Map for Autonomous Vehicle Market 2024 by Company, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global HD Map for Autonomous Vehicle market size was valued at USD 140.2 million in 2023 and is forecast to a readjusted size of USD 176.6 million by 2030 with a CAGR of 3.3% during review period.

As an integral part of the system, High Definition (HD) Maps bring functions such as high-precision localization, environment perception, planning and decision making, and real-time navigation cloud services to autonomous vehicles.

Despite the laborious and expensive process involved, startups, big tech, and even auto-parts manufacturers are increasingly investing in the production of HD Maps. This spring Baidu's million-dollar mapping vehicles began accurate and precise localization and data collection in a 20-km (12-mile) radius of a Beijing park for centimeter-specific HD Maps. The team spent five days on fixed GPS, and a half day driving the area 5 to 10 times with a 64-channel LiDAR system.

Competition is especially intense among startups, where funding and finding an effective strategy are critical for early-stage business growth. HD Mapping startups have turned to crowdsourcing, sought to lower the cost of HD mapping software and hardware, or focused only on technical services for HD Map development.

Automotive is a key driver of this industry. According to data from the World Automobile Organization (OICA), global automobile production and sales in 2017 reached their peak in the past 10 years, at 97.3 million and 95.89 million respectively. In 2018, the global economic expansion ended, and the global auto market declined as a whole. In

2022, there will wear units 81.6 million vehicles in the world. At present, more than 90% of the world's automobiles are concentrated in the three continents of Asia, Europe and North America, of which Asia automobile production accounts for 56% of the world, Europe accounts for 20%, and North America accounts for 16%. The world major automobile producing countries include China, the United States, Japan, South Korea, Germany, India, Mexico, and other countries; among them, China is the largest automobile producing country in the world, accounting for about 32%. Japan is the world's largest car exporter, exporting more than 3.5 million vehicles in 2022.

The Global Info Research report includes an overview of the development of the HD Map for Autonomous Vehicle industry chain, the market status of Passenger Car (Cloud-Based, Embedded), Commercial Car (Cloud-Based, Embedded), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of HD Map for Autonomous Vehicle.

Regionally, the report analyzes the HD Map for Autonomous Vehicle markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global HD Map for Autonomous Vehicle market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the HD Map for Autonomous Vehicle market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the HD Map for Autonomous Vehicle industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the revenue generated, and market share of different by Type (e.g., Cloud-Based, Embedded).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the HD Map for Autonomous Vehicle market.

Regional Analysis: The report involves examining the HD Map for Autonomous Vehicle market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the HD Map for Autonomous Vehicle market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to HD Map for Autonomous Vehicle:

Company Analysis: Report covers individual HD Map for Autonomous Vehicle players, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards HD Map for Autonomous Vehicle. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Passenger Car, Commercial Car).

Technology Analysis: Report covers specific technologies relevant to HD Map for Autonomous Vehicle. It assesses the current state, advancements, and potential future developments in HD Map for Autonomous Vehicle areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the HD Map for Autonomous Vehicle market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

HD Map for Autonomous Vehicle market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and

forecasts for consumption value by Type, and by Application in terms of value.

Market segment by Type

Cloud-Based

Embedded

Market segment by Application

Passenger Car

Commercial Car

Market segment by players, this report covers

NavInfo Co.,Ltd

TomTom

HERE Technologies

Electrobit

Intellias

Mapscape

Waymo

NVIDIA

Esri

Carmera

Civil Maps

DeepMap

Drive.ai

Mapbox

Mapper.ai

Mobileye

Oxbotica

Sanborn Map Company

Voxelmaps

LVL5

Zenrin

Atlatec

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, Australia and Rest of Asia-Pacific)

South America (Brazil, Argentina and 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 HD Map for Autonomous Vehicle product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of HD Map for Autonomous Vehicle, with revenue, gross margin and global market share of HD Map for Autonomous Vehicle from 2019 to 2024.

Chapter 3, the HD Map for Autonomous Vehicle competitive situation, revenue and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and application, with consumption value and growth rate by Type, application, from 2019 to 2030.

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 2019 to 2024. and HD Map for Autonomous Vehicle market forecast, by regions, type and application, with consumption value, from 2025 to 2030.

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

Chapter 12, the key raw materials and key suppliers, and industry chain of HD Map for Autonomous Vehicle.

Chapter 13, to describe HD Map for Autonomous Vehicle research findings and conclusion.

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