

In-Dash Navigation System Market Report by Component (Display Unit, Control Module, Antenna Module, Wiring Harness), Technology (2D Maps, 3D Maps), Screen Size (Less Than 6 Inches, 6 Inches to 11 Inches, Greater Than 11 Inches), Vehicle Type (Passenger Cars, Light Commercial Vehicles, Heavy Commercial Vehicles), Sales Channel (Original Equipment Manufacturer, Aftermarket), and Region 2024-2032

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Abstracts

The global in-dash navigation system market size reached US\$ 17.0 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 41.4 Billion by 2032, exhibiting a growth rate (CAGR) of 10.1% during 2024-2032. The growing demand for convenient and safe solutions in vehicles, increasing need for real-time information, and rising demand for technologically advanced feature in single unit represent some of the key factors driving the market.

In-dash navigation system refers to a system integrated with maps, entertainment, and controls into an easy-to-use screen installed in the dashboard. It comprises satellite radio, amplitude modulation (AM), frequency modulation (FM), compact disk (CD) players, digital video disc (DVD) player inputs, a global positioning system (GPS), and hands-free cellphones. It is versatile, reliable, and offers optional safety feature, such as a backup camera, that provide a better idea of the surroundings for parking. It is accurate, easy to use, convenient, and compatible with traffic services that offer real-time information about traffic jams, construction, and average speed of traffic. It supports voice recognition for setting the route and controlling unit that offers voice

output for turn-by-turn directions and allows drivers to concentrate on the road. It is connected to cloud technology that provides online and offline location searches to enhance the driving experience. As a result, the in-dash navigation system is widely employed in passenger cars and light and heavy commercial vehicles across the globe.

In-Dash Navigation System Market Trends:

At present, the rising utilization of in-dash navigation systems, as they have GPS that assists in reducing fuel consumption by providing the shortest route to destination, represents one of the key factors supporting the growth of the market. Besides this, the growing demand for vehicles with advanced safety and navigation solutions among the masses worldwide is offering a positive market outlook. Additionally, there is a rise in the need for real-time information about road accidents, weather forecasts, and traffic around the world. This, coupled with the increasing demand for in-dash navigation systems due to the busy lifestyles of individuals across the globe, is propelling the growth of the market. Apart from this, the rising demand for technologically advanced functions in a single unit is offering lucrative growth opportunities to industry investors. Moreover, the increasing demand for lightweight vehicle components, along with inflating income levels of individuals, is positively influencing the market. In addition, governing agencies of various countries are encouraging the usage of in-dash navigation systems and implementing stringent norms to reduce carbon dioxide (CO₂) emissions worldwide, which is contributing to the growth of the market. Furthermore, key players are introducing in-dash navigation systems in hatchback vehicles to attract a wide consumer base, which is strengthening the market growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global in-dash navigation system market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on component, technology, screen size, vehicle type and sales channel.

Component Insights:

- Display Unit
- Control Module
- Antenna Module
- Wiring Harness

The report has provided a detailed breakup and analysis of the in-dash navigation system market based on the component. This includes display unit, control module,

antenna module, and wiring harness. According to the report, display unit represented the largest segment.

Technology Insights:

2D Maps

3D Maps

A detailed breakup and analysis of the in-dash navigation system market based on the technology has also been provided in the report. This includes 2D maps and 3D maps. According to the report, 2D maps accounted for the largest market share.

Screen Size Insights:

Less Than 6 Inches

6 Inches to 11 Inches

Greater Than 11 Inches

A detailed breakup and analysis of the in-dash navigation system market based on the screen size has also been provided in the report. This includes less than 6 inches, 6 inches to 11 inches, and greater than 11 inches. According to the report, 6 inches to 11 inches accounted for the largest market share.

Vehicle Type Insights:

Passenger Cars

Light Commercial Vehicles

Heavy Commercial Vehicles

A detailed breakup and analysis of the in-dash navigation system market based on the vehicle type has also been provided in the report. This includes passenger cars, light commercial vehicles, and heavy commercial vehicles. According to the report, passenger cars accounted for the largest market share.

Sales Channel Insights:

Original Equipment Manufacturer

Aftermarket

A detailed breakup and analysis of the in-dash navigation system market based on the sales channel has also been provided in the report. This includes original equipment manufacturer and aftermarket. According to the report, original equipment manufacturer accounted for the largest market share.

Regional Insights:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

The report has also provided a comprehensive analysis of all the major regional markets, which include North America (the United States and Canada); Europe (Germany, France, the United Kingdom, Italy, Spain, Russia, and others); Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others); Latin America (Brazil, Mexico, and others); and the Middle East and Africa. According to the report, Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others) was the largest market for in-dash navigation system. Some of the factors driving the Asia

Pacific in-dash navigation system market included the increasing number of vehicle production, thriving automotive sector, rising demand for convenient solutions in vehicles, etc.

Competitive Landscape:

The report has also provided a comprehensive analysis of the competitive landscape in the global in-dash navigation system market. Competitive analysis such as market structure, market share by key players, player positioning, top winning strategies, competitive dashboard, and company evaluation quadrant has been covered in the report. Also, detailed profiles of all major companies have been provided. Some of the companies covered include Alpine Electronics Inc. (Alps Electric Co. Ltd.), Faurecia Clarion Electronics Co., Ltd., Continental Aktiengesellschaft, DENSO Corporation, Garmin Ltd., Harman International Industries (Samsung Electronics Co. Ltd), JVCKENWOOD Corporation, Luxoft Holding Inc. (DXC Technology Company), Mitsubishi Electric Corporation, Pioneer Electronics (USA) Inc., Robert Bosch GmbH, TomTom International BV., etc. Kindly note that this only represents a partial list of companies, and the complete list has been provided in the report.

Key Questions Answered in This Report

1. What was the size of the global in-dash navigation system market in 2023?
2. What is the expected growth rate of the global in-dash navigation system market during 2024-2032?
3. What are the key factors driving the global in-dash navigation system market?
4. What has been the impact of COVID-19 on the global in-dash navigation system market?
5. What is the breakup of the global in-dash navigation system market based on the component?
6. What is the breakup of the global in-dash navigation system market based on the technology?
7. What is the breakup of the global in-dash navigation system market based on the screen size?
8. What is the breakup of the global in-dash navigation system market based on the vehicle type?
9. What is the breakup of the global in-dash navigation system market based on the sales channel?
10. What are the key regions in the global in-dash navigation system market?
11. Who are the key players/companies in the global in-dash navigation system market?

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