

# **Mid and High-Level Precision GPS Receiver Market by Type (Differential Grade, Survey Grade), Functional Deployment (Navigation, Surveying and Mapping), Frequency Type (Single, Dual, Triple), End-user Industry and Region - Global Forecast to 2029**

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## **Abstracts**

The global mid and high-level precision GPS receiver market was valued at USD 3.4 billion in 2024 and is estimated to reach USD 5.2 billion by 2029, registering a CAGR of 8.8% during the forecast period. Increasing adoption of precision agriculture and rising demand for GPS receivers in the construction industry are leading to the growth of the mid and high-level precision GPS receiver market.

“Navigation segment is expected to grow at the highest CAGR during the forecast period.”

The navigation segment is growing at the highest CAGR in the mid and high-level precision GPS receiver market. The growth of the segment is attributed to the increasing interest and development of autonomous vehicles. Also, the growing aviation industry demands is fueling the demand for mid and high-level precision GPS receivers. Aircraft navigation systems, including those used in commercial flights and unmanned aerial vehicles (UAVs), require accurate GPS data for navigation.

“Survey grade segment is dominating the mid and high-level precision GPS receiver market.”

Survey grade segment is dominating the mid and high-level precision GPS receiver market. High-precision GPS receivers designed for surveying purposes are utilized across various industries like construction, agriculture, environmental monitoring, and

infrastructure development. The adaptability of these receivers in diverse sectors plays a significant role in their expanding market share. Furthermore, factors such as integrated solutions, durability, and advancements in GPS technology are fostering the growing acceptance of survey-grade GPS receivers.

“The US is projected to dominate the North American region for the mid and high-level precision GPS receiver market.”

The United States has been at the forefront of innovation in satellite navigation technology. American companies and research institutions continuously invest in research and development, leading to the creation of advanced GPS receiver technologies. This innovation, coupled with a robust ecosystem of technology companies, contributes to the country's dominance in the mid and high-level precision GPS receiver market within the country.

In-depth interviews have been conducted with chief executive officers (CEOs), Directors, and other executives from various key organizations operating in the mid and high-level precision GPS receiver marketplace.

By Company Type: Tier 1 – 20%, Tier 2 – 35%, and Tier 3 – 45%

By Designation: C-level Executives – 25%, Directors – 35%, and Others – 40%

By Region: North America– 20%, Europe – 30%, Asia Pacific– 40% and RoW- 10%

Trimble Inc. (US), Topcon (Japan), Hexagon AB (Sweden), Hemisphere GNSS Inc. (US), Javad GNSS (US), Geneq (Canada), South Surveying & Mapping Technology Co. Ltd. (China), Septentrio (Belgium), CNH Industrial N.V. (UK), Comnav Technology Ltd. (China), are some of the key players in the mid and high-level precision GPS receiver market.

The study includes an in-depth competitive analysis of these key players in the mid and high-level precision GPS receiver market, with their company profiles, recent developments, and key market strategies.

## Research Coverage

This research report categorizes the mid and high-level precision GPS receiver market by functional deployment (Navigation, Surveying and Mapping), by type (Differential Grade, Survey Grade), by end-user industry (Construction, Agriculture, Transportation, Oil & Gas, Mining) and by region (North America, Europe, Asia Pacific, and RoW). The report's scope covers detailed information regarding the major factors, such as drivers, restraints, challenges, and opportunities, influencing the growth of the mid and high-level precision GPS receiver market. A detailed analysis of the key industry players has been done to provide insights into their business overview, solutions, and services; key strategies; Contracts, partnerships, agreements, new product & service launches, mergers and acquisitions; and recent developments associated with the mid and high-level precision GPS receiver market. This report covers the competitive analysis of upcoming startups in the mid and high-level precision GPS receiver market ecosystem.

### Reasons to buy this report

The report will help the market leaders/new entrants with information on the closest approximations of the revenue numbers for the overall mid and high-level precision GPS receiver market and the subsegments. This report will help stakeholders understand the competitive landscape and gain more insights to position their businesses better and plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the market and provides them with information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

Analysis of key drivers (Adoption of precision agriculture, Increasing demand for GPS receiver, Rising demand for geographic information system), restraints (Slow acceptance for new technologies, Security concerns for critical applications), opportunities (Expanding adoption of GPS receivers in autonomous driving, growing advancements in GPS tracking), and challenges (Interference and signal degradation in urban areas) influencing the growth of the mid and high-level precision GPS receiver market

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the mid and high-level precision GPS receiver market

Market Development: Comprehensive information about lucrative markets – the report analyses the mid and high-level precision GPS receiver market across

varied regions.

**Market Diversification:** Exhaustive information about new products & services, untapped geographies, recent developments, and investments in the mid and high-level precision GPS receiver market

**Competitive Assessment:** In-depth assessment of market shares, growth strategies and service offerings of leading players like Trimble Inc. (US), Topcon (Japan), Hexagon AB (Sweden), Hemisphere GNSS Inc. (US), Javad GNSS (US), Geneq (Canada), South Surveying & Mapping Technology Co. Ltd. (China), Septentrio (Belgium), CNH Industrial N.V. (UK), Comnav Technology Ltd. (China) among others in the mid and high-level precision GPS receiver market.

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\*Details on Business Overview, Products/Solutions/Services Offered, Recent Developments, MnM view (Key strengths/Right to win, Strategic choices made, Weakness/competitive threats)\* might not be captured in case of unlisted companies.

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