

# Global Auto Docking System Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Auto Docking System market size was valued at US\$ 317 million in 2025 and is forecast to a readjusted size of US\$ 656 million by 2032 with a CAGR of 10.9% during review period.

From the perspective of the global marine equipment market, Auto Docking Systems remain a relatively niche market, but one with high engineering added value. In 2025, the global market is projected to see approximately 11,000 new installations of auto docking systems, primarily concentrated in large yachts, passenger ferries, cruise ships, high-end service vessels, offshore engineering vessels, and some newly built intelligent commercial vessels. The price of a single system varies considerably: solutions primarily based on sensor fusion and control algorithms with limited modifications to the propulsion system have an overall delivery price of approximately US\$15,000–40,000 per unit; while systems with deep integration of propulsion, thruster, and rudder control, supporting fully automatic docking, can reach US\$80,000–200,000 per unit, with gross profit margins typically ranging from 35% to 50%, significantly higher than single navigation radar or sensor products. An Auto Docking System is a comprehensive sensing and control system for low-speed maneuvering and docking/undocking operations of ships. Its core objective is to significantly reduce the workload and accident risk for captains and pilots during docking in complex harbors, narrow berths, strong crosswinds/currents, and high-density vessel environments. This system typically integrates marine radar, visual/optical sensors, ultrasonic/laser rangefinding, GNSS/inertial navigation, and propulsion and rudder control algorithms to achieve centimeter-level situational awareness of the vessel relative to the dock, surrounding obstacles, and target berth. It then outputs thrust, rudder angle, and thruster commands automatically or semi-automatically to assist in docking, undocking, and low-speed

lateral movement operations. From an engineering perspective, the assisted docking system is not a single device, but a system-level product comprising 'sensing layer + decision algorithm + execution interface,' and is usually included as a ship maneuvering and safety subsystem in new vessel specifications or high-level port docking requirements.

This report is a detailed and comprehensive analysis for global Auto Docking System market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Distance Measurement Accuracy 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.

### **Key Features:**

Global Auto Docking System market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2021-2032

Global Auto Docking System market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2021-2032

Global Auto Docking System market size and forecasts, by Distance Measurement Accuracy and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2021-2032

Global Auto Docking System market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (K US\$/Unit), 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 Auto Docking System

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 Auto Docking System market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies

covered as a part of this study include Raymarine, Volvo Penta, Avikus NEUBOAT, Navtech Radar, Yanmar, Simrad, Honda, Riviera, W?rtsil?, Marautec, etc.

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

## **Market Segmentation**

Auto Docking System market is split by Distance Measurement Accuracy and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Distance Measurement Accuracy, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Distance Measurement Accuracy

Decimeter Level

Centimeter Level

### Market segment by Update Frequency

1–2 Hz

?5 Hz

### Market segment by GNSS Accuracy

Standard GNSS

Differential GNSS

### Market segment by Application

Merchant Ship

Fishing Vessels

Others

#### Major players covered

Raymarine

Volvo Penta

Avikus NEUBOAT

Navtech Radar

Yanmar

Simrad

Honda

Riviera

W?rtsil?

Marautec

CHUNTAI

AMI Marine

HTWG Heavy Industry

MetaX

Orca

Kongsberg

Trelleborg

CSSC

Straatman

TOYOTA MARINE

Market segment by region, regional analysis covers  
North America (United States, Canada, and Mexico)  
Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)  
Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)  
South America (Brazil, Argentina, Colombia, and Rest of South America)  
Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

**The content of the study subjects, includes a total of 15 chapters:**

Chapter 1, to describe Auto Docking System product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Auto Docking System, with price, sales quantity, revenue, and global market share of Auto Docking System from 2021 to 2026.

Chapter 3, the Auto Docking System competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Auto Docking System breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Distance Measurement Accuracy and by Application, with sales market share and growth rate by Distance Measurement Accuracy, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Auto Docking System market forecast, by regions, by Distance

Measurement Accuracy, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Auto Docking System.

Chapter 14 and 15, to describe Auto Docking System sales channel, distributors, customers, research findings and conclusion.

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