

# Global Outdoor Autonomous Mobile Robots Supply, Demand and Key Producers, 2023-2029

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## Abstracts

The global Outdoor Autonomous Mobile Robots market size is expected to reach \$ 694.8 million by 2029, rising at a market growth of 23.0% CAGR during the forecast period (2023-2029).

Global key players of outdoor autonomous mobile robots include SMP Robotics, Serve Robotics, Neolix, Starship Technologies, Robotnik Automation, etc. The top five players hold a share over 49%. North America is the largest market, has a share about 59%, followed by Europe and Asia-Pacific, with share 16% and 17%, separately. In terms of product type, LiDAR+Vision Based is the largest segment, occupied for a share of 67%, and in terms of application, Security & Inspection has a share about 49 percent.

An autonomous mobile robot (AMR) is a robot that performs behaviors or tasks with a high degree of autonomy. The AMR relies on autonomous navigation where no wires, tape, GPS or other navigation markers are required. Its laser guidance system assures precise navigation, obstacle avoidance and human safety. The drive-around mapping with laptop adjustments enables fast and easy route updates and additions. The demands placed on the functionality of autonomous robotic systems are significantly higher compared to conventional industrial robots. The aim is that mobile systems operate autonomously in unknown and dynamic environments to fulfill their assigned tasks. For this purpose, it is essential to explore and model the environment in a suitable way. The information gathered by sensors has to be combined to allow for an accurate positioning. In addition, the perceived surroundings have to be consolidated in an exact map representation. Having acquired this knowledge, the robot is able to plan an optimal collision-free path to a given goal and to perform complex handling tasks.

This report studies the global Outdoor Autonomous Mobile Robots production, demand,

key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Outdoor Autonomous Mobile Robots, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Outdoor Autonomous Mobile Robots that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Outdoor Autonomous Mobile Robots total production and demand, 2018-2029, (Units)

Global Outdoor Autonomous Mobile Robots total production value, 2018-2029, (USD Million)

Global Outdoor Autonomous Mobile Robots production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Units)

Global Outdoor Autonomous Mobile Robots consumption by region & country, CAGR, 2018-2029 & (Units)

U.S. VS China: Outdoor Autonomous Mobile Robots domestic production, consumption, key domestic manufacturers and share

Global Outdoor Autonomous Mobile Robots production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Units)

Global Outdoor Autonomous Mobile Robots production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Units)

Global Outdoor Autonomous Mobile Robots production by Application production, value, CAGR, 2018-2029, (USD Million) & (Units).

This reports profiles key players in the global Outdoor Autonomous Mobile Robots market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include SMP Robotics, Serve Robotics, Neolix, Starship Technologies, Robotnik Automation, OTSAW, Kiwi Campus, Clearpath

Robotics and Knightscope, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Outdoor Autonomous Mobile Robots market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Outdoor Autonomous Mobile Robots Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Outdoor Autonomous Mobile Robots Market, Segmentation by Type

Vision Based

LiDAR+Vision Based

## Global Outdoor Autonomous Mobile Robots Market, Segmentation by Application

Delivery & Logistics

Security & Inspection

Agriculture

Others

## Companies Profiled:

SMP Robotics

Serve Robotics

Neolix

Starship Technologies

Robotnik Automation

OTSAW

Kiwi Campus

Clearpath Robotics

Knightscope

Robot++

Amazon Scout

Sunspeed Robotics

ANYbotics

Robotic Assistance Devices

Robotic Assistance Devices

Taurob

Nuro

### Key Questions Answered

1. How big is the global Outdoor Autonomous Mobile Robots market?
2. What is the demand of the global Outdoor Autonomous Mobile Robots market?
3. What is the year over year growth of the global Outdoor Autonomous Mobile Robots market?
4. What is the production and production value of the global Outdoor Autonomous Mobile Robots market?
5. Who are the key producers in the global Outdoor Autonomous Mobile Robots market?
6. What are the growth factors driving the market demand?

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