

Target Acquisition Systems Market Outlook 2025-2034: Market Share, and Growth Analysis By Platform (Land, Airborne, Naval), By Sub System (Cameras, Scopes And Sights, Detecting And Locating Systems, Modules, Add-On Systems, Other Sub Systems), By Range Type, By End Use

<https://marketpublishers.com/r/T65066AB7841EN.html>

Date: October 2025

Pages: 160

Price: US\$ 3,950.00 (Single User License)

ID: T65066AB7841EN

Abstracts

The Target Acquisition Systems Market is valued at USD 13.8 billion in 2025 and is projected to grow at a CAGR of 7.3% to reach USD 26 billion by 2034. The Target Acquisition Systems market plays an essential role in enhancing the effectiveness of modern defense and surveillance operations. These systems are critical in identifying, tracking, and designating targets for engagement across land, air, sea, and space domains. Integrating advanced technologies such as electro-optical sensors, radar, infrared imaging, and laser rangefinders, target acquisition systems improve situational awareness and enable precision-strike capabilities. Their usage spans multiple applications, including ground combat, air defense, unmanned systems, and naval operations. With evolving battlefield requirements and growing emphasis on joint force operations, these systems are increasingly being integrated with AI and real-time data sharing platforms. Nations investing in defense modernization and enhanced force interoperability continue to prioritize the deployment of such systems. The rising focus on minimizing collateral damage and improving targeting efficiency has further accelerated their global demand. As defense operations become more agile and data-driven, target acquisition systems have evolved from isolated tools to comprehensive, networked platforms that contribute to strategic decision-making and mission execution. the Target Acquisition Systems market saw a shift toward increased automation, system integration, and data-driven battlefield decision support. Defense organizations focused on upgrading legacy platforms with modular target acquisition solutions that could

support emerging threats and technologies. Several leading defense firms introduced AI-enabled systems capable of analyzing sensor data in real time and autonomously tracking multiple targets under varying weather and terrain conditions. These advancements allowed for more accurate and quicker engagement decisions, especially in high-stakes urban and asymmetrical warfare environments. Additionally, the growing use of unmanned aerial and ground platforms as key enablers of modern warfare increased the demand for lightweight, power-efficient target acquisition systems that could be integrated into remotely operated vehicles. Governments in North America, the Middle East, and the Asia-Pacific region announced new procurement programs, emphasizing interoperability and rapid deployment. Collaborations between defense contractors and AI-focused startups also grew, aiming to co-develop next-gen platforms with built-in analytics and edge computing features. Overall, 2024 marked a strategic pivot from hardware-centric development to more software-intensive, cognitive systems that enhance battlefield agility. The Target Acquisition Systems market is expected to evolve further through the convergence of AI, edge computing, quantum sensing, and integrated battlefield networks. As militaries aim to achieve decision dominance and operate seamlessly across multi-domain environments, next-generation systems will need to provide actionable intelligence in real time. Increased focus on space-based sensors, cyber resilience, and miniaturized payloads will lead to more adaptable and scalable solutions suited for a wider array of mission profiles. The growing use of simulation and virtual training environments will also drive demand for acquisition systems that can interface with digital twins and real-time wargaming scenarios. Future procurement strategies are likely to prioritize systems with open architecture designs, allowing for easier upgrades and integration into joint command and control infrastructures. At the same time, sustainability and energy efficiency will become design priorities as military operations seek to reduce their logistical footprint. These anticipated developments underscore the transition of target acquisition systems from traditional line-of-sight detection platforms to intelligent, mission-integrated decision support solutions capable of operating in contested, denied, and complex operational theaters.

Key Insights Target Acquisition Systems Market

Rising adoption of AI-enabled target acquisition systems is transforming traditional operations into autonomous and predictive threat identification ecosystems.

Growing demand for sensor fusion platforms enables better accuracy through integration of radar, optical, infrared, and acoustic data streams.

Surging use of unmanned systems with embedded acquisition modules supports surveillance, ISR, and threat engagement in high-risk zones.

Miniaturization of electro-optical systems facilitates deployment on compact drones, lightweight armored vehicles, and portable soldier-worn platforms.

Emphasis on interoperability and modularity in defense procurement encourages development of plug-and-play acquisition modules compatible across platforms.

Global increase in defense modernization programs propels demand for integrated targeting solutions aligned with multi-domain combat strategies.

Geopolitical conflicts and border tensions in Asia-Pacific and Eastern Europe accelerate urgency for precision and real-time surveillance capabilities.

Expansion of joint force operations necessitates acquisition systems that support cross-domain communication and seamless data exchange.

Technological advancements in AI, 5G, and edge computing enable faster, autonomous decision-making within acquisition platforms.

Integration with legacy platforms remains a significant challenge, often resulting in compatibility issues and slower procurement cycles for modern systems.

Target Acquisition Systems Market Segmentation

By Platform

Land

Airborne

Naval

By Sub System

Cameras

Scopes And Sights

Detecting And Locating Systems

Modules

Add-On Systems

Other Sub Systems

By Range Type

Short Range (0-8 Km)

Medium Range (8-250 Km)

Long Range (Above 250 Km)

By End Use

Military

Homeland Security

Key Companies Analysed

Elbit Systems Ltd.

Leonardo S.p.A

Safran SA

Thales Group

Rheinmetall AG

Instro Precision Limited

Israel Aerospace Industries

Hensoldt AG

Kearfott Corporation

Blighter Surveillance Systems

Thermoteknix Systems Ltd.

Lockheed Martin Corporation

L3Harris Technologies Inc.

Aselsan A.S.

Wuhan JOHO Technology Co. Ltd.

Raytheon Technologies Corporation

General Dynamics Corporation

FLIR Systems Inc.

BAE Systems plc

Leidos Holdings Inc.

Kratos Defense & Security Solutions Inc.

Ultra Electronics Holdings plc

Rafael Advanced Defense Systems Ltd.

Harris Corporation

Rostec State Corporation

Hanwha Corporation

RADA Electronic Industries Ltd.

Saab AB

Cobham plc

Curtiss-Wright Corporation

Target Acquisition Systems Market Analytics

The report employs rigorous tools, including Porter's Five Forces, value chain mapping, and scenario-based modeling, to assess supply–demand dynamics. Cross-sector influences from parent, derived, and substitute markets are evaluated to identify risks and opportunities. Trade and pricing analytics provide an up-to-date view of international flows, including leading exporters, importers, and regional price trends.

Macroeconomic indicators, policy frameworks such as carbon pricing and energy security strategies, and evolving consumer behavior are considered in forecasting scenarios. Recent deal flows, partnerships, and technology innovations are incorporated to assess their impact on future market performance.

Target Acquisition Systems Market Competitive Intelligence

The competitive landscape is mapped through OG Analysis' proprietary frameworks, profiling leading companies with details on business models, product portfolios, financial performance, and strategic initiatives. Key developments such as mergers & acquisitions, technology collaborations, investment inflows, and regional expansions are analyzed for their competitive impact. The report also identifies emerging players and innovative startups contributing to market disruption.

Regional insights highlight the most promising investment destinations, regulatory landscapes, and evolving partnerships across energy and industrial corridors.

Countries Covered

North America — Target Acquisition Systems market data and outlook to 2034

United States

Canada

Mexico

Europe — Target Acquisition Systems market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — Target Acquisition Systems market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

Malaysia

Vietnam

Middle East and Africa — Target Acquisition Systems market data and outlook to 2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — Target Acquisition Systems market data and outlook to 2034

Brazil

Argentina

Chile

Peru

** We can include data and analysis of additional countries on demand.*

Research Methodology

This study combines primary inputs from industry experts across the Target Acquisition Systems value chain with secondary data from associations, government publications, trade databases, and company disclosures. Proprietary modeling techniques, including

Target Acquisition Systems Market Outlook 2025-2034: Market Share, and Growth Analysis By Platform (Land, Airb...

data triangulation, statistical correlation, and scenario planning, are applied to deliver reliable market sizing and forecasting.

Key Questions Addressed

What is the current and forecast market size of the Target Acquisition Systems industry at global, regional, and country levels?

Which types, applications, and technologies present the highest growth potential?

How are supply chains adapting to geopolitical and economic shocks?

What role do policy frameworks, trade flows, and sustainability targets play in shaping demand?

Who are the leading players, and how are their strategies evolving in the face of global uncertainty?

Which regional “hotspots” and customer segments will outpace the market, and what go-to-market and partnership models best support entry and expansion?

Where are the most investable opportunities—across technology roadmaps, sustainability-linked innovation, and M&A—and what is the best segment to invest over the next 3–5 years?

Your Key Takeaways from the Target Acquisition Systems Market Report

Global Target Acquisition Systems market size and growth projections (CAGR), 2024-2034

Impact of Russia-Ukraine, Israel-Palestine, and Hamas conflicts on Target Acquisition Systems trade, costs, and supply chains

Target Acquisition Systems market size, share, and outlook across 5 regions and 27 countries, 2023-2034

Target Acquisition Systems market size, CAGR, and market share of key

products, applications, and end-user verticals, 2023-2034

Short- and long-term Target Acquisition Systems market trends, drivers, restraints, and opportunities

Porter's Five Forces analysis, technological developments, and Target Acquisition Systems supply chain analysis

Target Acquisition Systems trade analysis, Target Acquisition Systems market price analysis, and Target Acquisition Systems supply/demand dynamics

Profiles of 5 leading companies—overview, key strategies, financials, and products

Latest Target Acquisition Systems market news and developments

Additional Support

With the purchase of this report, you will receive

An updated PDF report and an MS Excel data workbook containing all market tables and figures for easy analysis.

7-day post-sale analyst support for clarifications and in-scope supplementary data, ensuring the deliverable aligns precisely with your requirements.

Complimentary report update to incorporate the latest available data and the impact of recent market developments.

** The updated report will be delivered within 3 working days*

Contents

1. TABLE OF CONTENTS

- 1.1 List of Tables
- 1.2 List of Figures

2. GLOBAL TARGET ACQUISITION SYSTEMS MARKET SUMMARY, 2025

- 2.1 Target Acquisition Systems Industry Overview
 - 2.1.1 Global Target Acquisition Systems Market Revenues (In US\$ billion)
- 2.2 Target Acquisition Systems Market Scope
- 2.3 Research Methodology

3. TARGET ACQUISITION SYSTEMS MARKET INSIGHTS, 2024-2034

- 3.1 Target Acquisition Systems Market Drivers
- 3.2 Target Acquisition Systems Market Restraints
- 3.3 Target Acquisition Systems Market Opportunities
- 3.4 Target Acquisition Systems Market Challenges
- 3.5 Tariff Impact on Global Target Acquisition Systems Supply Chain Patterns

4. TARGET ACQUISITION SYSTEMS MARKET ANALYTICS

- 4.1 Target Acquisition Systems Market Size and Share, Key Products, 2025 Vs 2034
- 4.2 Target Acquisition Systems Market Size and Share, Dominant Applications, 2025 Vs 2034
- 4.3 Target Acquisition Systems Market Size and Share, Leading End Uses, 2025 Vs 2034
- 4.4 Target Acquisition Systems Market Size and Share, High Growth Countries, 2025 Vs 2034
- 4.5 Five Forces Analysis for Global Target Acquisition Systems Market
 - 4.5.1 Target Acquisition Systems Industry Attractiveness Index, 2025
 - 4.5.2 Target Acquisition Systems Supplier Intelligence
 - 4.5.3 Target Acquisition Systems Buyer Intelligence
 - 4.5.4 Target Acquisition Systems Competition Intelligence
 - 4.5.5 Target Acquisition Systems Product Alternatives and Substitutes Intelligence
 - 4.5.6 Target Acquisition Systems Market Entry Intelligence

5. GLOBAL TARGET ACQUISITION SYSTEMS MARKET STATISTICS – INDUSTRY REVENUE, MARKET SHARE, GROWTH TRENDS AND FORECAST BY SEGMENTS, TO 2034

5.1 World Target Acquisition Systems Market Size, Potential and Growth Outlook, 2024-2034 (\$ billion)

5.1 Global Target Acquisition Systems Sales Outlook and CAGR Growth By Platform, 2024- 2034 (\$ billion)

5.2 Global Target Acquisition Systems Sales Outlook and CAGR Growth By Sub System, 2024- 2034 (\$ billion)

5.3 Global Target Acquisition Systems Sales Outlook and CAGR Growth By Range Type, 2024- 2034 (\$ billion)

5.4 Global Target Acquisition Systems Sales Outlook and CAGR Growth By End Use, 2024- 2034 (\$ billion)

5.5 Global Target Acquisition Systems Market Sales Outlook and Growth by Region, 2024- 2034 (\$ billion)

6. ASIA PACIFIC TARGET ACQUISITION SYSTEMS INDUSTRY STATISTICS – MARKET SIZE, SHARE, COMPETITION AND OUTLOOK

6.1 Asia Pacific Target Acquisition Systems Market Insights, 2025

6.2 Asia Pacific Target Acquisition Systems Market Revenue Forecast By Platform, 2024- 2034 (USD billion)

6.3 Asia Pacific Target Acquisition Systems Market Revenue Forecast By Sub System, 2024- 2034 (USD billion)

6.4 Asia Pacific Target Acquisition Systems Market Revenue Forecast By Range Type, 2024- 2034 (USD billion)

6.5 Asia Pacific Target Acquisition Systems Market Revenue Forecast By End Use, 2024- 2034 (USD billion)

6.6 Asia Pacific Target Acquisition Systems Market Revenue Forecast by Country, 2024- 2034 (USD billion)

6.6.1 China Target Acquisition Systems Market Size, Opportunities, Growth 2024-2034

6.6.2 India Target Acquisition Systems Market Size, Opportunities, Growth 2024- 2034

6.6.3 Japan Target Acquisition Systems Market Size, Opportunities, Growth 2024-2034

6.6.4 Australia Target Acquisition Systems Market Size, Opportunities, Growth 2024-2034

7. EUROPE TARGET ACQUISITION SYSTEMS MARKET DATA, PENETRATION, AND BUSINESS PROSPECTS TO 2034

7.1 Europe Target Acquisition Systems Market Key Findings, 2025

7.2 Europe Target Acquisition Systems Market Size and Percentage Breakdown By Platform, 2024- 2034 (USD billion)

7.3 Europe Target Acquisition Systems Market Size and Percentage Breakdown By Sub System, 2024- 2034 (USD billion)

7.4 Europe Target Acquisition Systems Market Size and Percentage Breakdown By Range Type, 2024- 2034 (USD billion)

7.5 Europe Target Acquisition Systems Market Size and Percentage Breakdown By End Use, 2024- 2034 (USD billion)

7.6 Europe Target Acquisition Systems Market Size and Percentage Breakdown by Country, 2024- 2034 (USD billion)

7.6.1 Germany Target Acquisition Systems Market Size, Trends, Growth Outlook to 2034

7.6.2 United Kingdom Target Acquisition Systems Market Size, Trends, Growth Outlook to 2034

7.6.2 France Target Acquisition Systems Market Size, Trends, Growth Outlook to 2034

7.6.2 Italy Target Acquisition Systems Market Size, Trends, Growth Outlook to 2034

7.6.2 Spain Target Acquisition Systems Market Size, Trends, Growth Outlook to 2034

8. NORTH AMERICA TARGET ACQUISITION SYSTEMS MARKET SIZE, GROWTH TRENDS, AND FUTURE PROSPECTS TO 2034

8.1 North America Snapshot, 2025

8.2 North America Target Acquisition Systems Market Analysis and Outlook By Platform, 2024- 2034 (\$ billion)

8.3 North America Target Acquisition Systems Market Analysis and Outlook By Sub System, 2024- 2034 (\$ billion)

8.4 North America Target Acquisition Systems Market Analysis and Outlook By Range Type, 2024- 2034 (\$ billion)

8.5 North America Target Acquisition Systems Market Analysis and Outlook By End Use, 2024- 2034 (\$ billion)

8.6 North America Target Acquisition Systems Market Analysis and Outlook by Country, 2024- 2034 (\$ billion)

8.6.1 United States Target Acquisition Systems Market Size, Share, Growth Trends and Forecast, 2024- 2034

8.6.1 Canada Target Acquisition Systems Market Size, Share, Growth Trends and

Forecast, 2024- 2034

8.6.1 Mexico Target Acquisition Systems Market Size, Share, Growth Trends and Forecast, 2024- 2034

9. SOUTH AND CENTRAL AMERICA TARGET ACQUISITION SYSTEMS MARKET DRIVERS, CHALLENGES, AND FUTURE PROSPECTS

9.1 Latin America Target Acquisition Systems Market Data, 2025

9.2 Latin America Target Acquisition Systems Market Future By Platform, 2024- 2034 (\$ billion)

9.3 Latin America Target Acquisition Systems Market Future By Sub System, 2024- 2034 (\$ billion)

9.4 Latin America Target Acquisition Systems Market Future By Range Type, 2024- 2034 (\$ billion)

9.5 Latin America Target Acquisition Systems Market Future By End Use, 2024- 2034 (\$ billion)

9.6 Latin America Target Acquisition Systems Market Future by Country, 2024- 2034 (\$ billion)

9.6.1 Brazil Target Acquisition Systems Market Size, Share and Opportunities to 2034

9.6.2 Argentina Target Acquisition Systems Market Size, Share and Opportunities to 2034

10. MIDDLE EAST AFRICA TARGET ACQUISITION SYSTEMS MARKET OUTLOOK AND GROWTH PROSPECTS

10.1 Middle East Africa Overview, 2025

10.2 Middle East Africa Target Acquisition Systems Market Statistics By Platform, 2024- 2034 (USD billion)

10.3 Middle East Africa Target Acquisition Systems Market Statistics By Sub System, 2024- 2034 (USD billion)

10.4 Middle East Africa Target Acquisition Systems Market Statistics By Range Type, 2024- 2034 (USD billion)

10.5 Middle East Africa Target Acquisition Systems Market Statistics By Range Type, 2024- 2034 (USD billion)

10.6 Middle East Africa Target Acquisition Systems Market Statistics by Country, 2024- 2034 (USD billion)

10.6.1 Middle East Target Acquisition Systems Market Value, Trends, Growth Forecasts to 2034

10.6.2 Africa Target Acquisition Systems Market Value, Trends, Growth Forecasts to

2034

11. TARGET ACQUISITION SYSTEMS MARKET STRUCTURE AND COMPETITIVE LANDSCAPE

11.1 Key Companies in Target Acquisition Systems Industry

11.2 Target Acquisition Systems Business Overview

11.3 Target Acquisition Systems Product Portfolio Analysis

11.4 Financial Analysis

11.5 SWOT Analysis

12 APPENDIX

12.1 Global Target Acquisition Systems Market Volume (Tons)

12.1 Global Target Acquisition Systems Trade and Price Analysis

12.2 Target Acquisition Systems Parent Market and Other Relevant Analysis

12.3 Publisher Expertise

12.2 Target Acquisition Systems Industry Report Sources and Methodology

I would like to order

Product name: Target Acquisition Systems Market Outlook 2025-2034: Market Share, and Growth Analysis By Platform (Land, Airborne, Naval), By Sub System (Cameras, Scopes And Sights, Detecting And Locating Systems, Modules, Add-On Systems, Other Sub Systems), By Range Type, By End Use

Product link: <https://marketpublishers.com/r/T65066AB7841EN.html>

Price: US\$ 3,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/T65066AB7841EN.html>