

Passenger Security Market Outlook 2025-2034: Market Share, and Growth Analysis By Solution (Baggage Inspection Systems, Video Management Systems, Access Control Or Biometric Systems, Cybersecurity Solutions, Hand-Held Scanners, Full-Body Scanners, Explosive Trace Detectors, Walk-Through Metal Detectors, Perimeter Intrusion Detection Systems, Bar-Coded Boarding Systems), By Investment (New Demand, Replacement Demand), By End User

<https://marketpublishers.com/r/PD89F1688018EN.html>

Date: October 2025

Pages: 160

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

ID: PD89F1688018EN

Abstracts

The Passenger Security Market is valued at USD 8.4 billion in 2025 and is projected to grow at a CAGR of 7.1% to reach USD 15.6 billion by 2034. The global passenger security market is expanding rapidly as transportation authorities and governments prioritize enhanced security measures to safeguard travelers across airports, railway stations, metro systems, and other public transport hubs. With increasing risks of terrorism, cyber threats, and unauthorized access, investment in advanced security infrastructure has become essential. Passenger security encompasses a broad range of solutions, including biometric screening, baggage inspection systems, perimeter security, surveillance cameras, and AI-powered threat detection technologies. Leading players such as Smiths Detection, Rapiscan Systems, Thales, and Honeywell are actively developing innovative solutions to enhance passenger safety while minimizing delays and disruptions. The push for contactless and automated security solutions has gained momentum, driven by the need for faster screening processes and improved passenger experience. As global travel resumes its pre-pandemic growth trajectory, governments and private operators are deploying integrated security solutions that combine physical surveillance with digital intelligence to address evolving security

challenges. The passenger security market has witnessed major advancements, particularly in biometric authentication and AI-driven surveillance. Airports and transit hubs have increasingly implemented facial recognition, fingerprint scanning, and iris recognition technologies to streamline passenger verification while reducing physical contact. AI-powered security analytics are enhancing threat detection capabilities, enabling real-time monitoring of passenger behavior and identifying potential risks more effectively. The widespread deployment of 3D computed tomography (CT) scanners in baggage screening has improved security efficiency, allowing for detailed scanning without requiring passengers to remove liquids and electronics. The integration of cybersecurity measures has also gained importance, with transportation authorities focusing on protecting biometric databases and cloud-based security platforms from potential cyber threats. Additionally, smart surveillance networks with predictive analytics and automated alerts are enabling proactive security responses, reducing the likelihood of security breaches in high-traffic areas. Despite these advancements, privacy concerns surrounding biometric data collection have intensified, prompting the introduction of stricter regulations and data protection policies. The passenger security market is expected to see further innovations, including the widespread adoption of AI-powered behavioral analytics and touchless security screening. AI-driven predictive threat detection systems will improve security accuracy by analyzing passenger movement patterns and identifying anomalies before they escalate into security incidents. The deployment of blockchain-based digital identity verification systems will enhance travel security, allowing passengers to store and verify their identities seamlessly while reducing the risk of identity fraud. Smart perimeter security solutions, incorporating drones and automated surveillance robots, will enhance situational awareness and strengthen security at transportation hubs. Additionally, the expansion of multimodal security integration will ensure seamless security screening across different transport modes, reducing redundant checks and improving passenger flow efficiency. As the emphasis on privacy and data security grows, transportation authorities will need to strike a balance between security effectiveness and passenger rights, ensuring compliance with global data protection regulations while maintaining robust security protocols.

Key Insights Passenger Security Market

Rise of AI-Powered Behavioral Analytics: AI-based security solutions are improving real-time passenger monitoring by identifying suspicious behaviors and potential threats before they occur.

Widespread Use of Biometric Security Solutions: Airports and transit hubs are

deploying facial recognition, iris scanning, and fingerprint verification to streamline security checks and enhance identity verification.

Advancements in Smart Surveillance & Perimeter Security: The integration of smart cameras, drones, and automated surveillance robots is strengthening security infrastructure and improving situational awareness.

Deployment of Blockchain-Based Identity Verification: Blockchain is being adopted to enhance security in passenger identity verification, reducing fraud risks and ensuring seamless travel authentication.

Growth of Touchless & Contactless Security Screening: The use of millimeter-wave imaging and automated body scanning is reducing physical interaction while improving passenger screening efficiency.

Increasing Global Travel & Security Threats: The rise in international travel, coupled with evolving security risks, is driving the need for advanced security measures in public transportation systems.

Government Regulations & Compliance Standards: Strict security policies and regulatory mandates are pushing transportation authorities to invest in cutting-edge security solutions.

Technological Innovations in AI & Automation: AI-driven threat detection, automated screening processes, and real-time monitoring solutions are improving security efficiency and accuracy.

Growing Concerns Over Cybersecurity in Passenger Data Protection: As security systems become more digitalized, safeguarding biometric data and preventing cyberattacks have become critical priorities.

Privacy Concerns & Data Protection Regulations: The increased use of biometric authentication and AI-powered surveillance has raised concerns about data privacy, leading to stricter regulations and ethical debates on passenger surveillance.

Passenger Security Market Segmentation

By Solution

Baggage Inspection Systems

Video Management Systems

Access Control Or Biometric Systems

Cybersecurity Solutions

Hand-Held Scanners

Full-Body Scanners

Explosive Trace Detectors

Walk-Through Metal Detectors

Perimeter Intrusion Detection Systems

Bar-Coded Boarding Systems

By Investment

New Demand

Replacement Demand

By End User

Commercial Airports

Seaports

Railway Stations

Key Companies Analysed

Honeywell International Inc.

Indra Sistemas S.A.

Robert Bosch GmbH

Teledyne FLIR LLC

Autoclear LLC

Smiths Detection Group Limited

Adani Systems Inc.

Advanced Perimeter Systems Limited

SITA - Soci?t? Internationale de T?l?communications A?ronautiques

Navtech Radar Ltd.

NEC Corporation

OSI Systems Inc.

Thales Group

Swissport International AG

Wabtec Corporation

Securitas Transport Aviation Security Ltd.

G4S plc

ICTS Europe Systems BV

Allied Universal Security Services LLC

Prosegur Compañía de Seguridad S.A.

Brink's Company

ADT Inc.

Secom Co. Ltd.

American Airlines Group Inc.

Delta Air Lines Inc.

United Airlines Holdings Inc.

Southwest Airlines Co.

Air France-KLM SA

Deutsche Lufthansa AG

The Emirates Group

Qatar Airways Group Q.C.S.C.

Cathay Pacific Airways Limited

Singapore Airlines Limited

Japan Airlines Co. Ltd.

Korean Air Lines Co. Ltd.

China Southern Airlines Company Limited

Air China Limited

Turkish Airlines Inc.

Passenger Security 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.

Passenger Security 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 — Passenger Security market data and outlook to 2034

United States

Canada

Mexico

Europe — Passenger Security market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — Passenger Security market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

Malaysia

Vietnam

Middle East and Africa — Passenger Security market data and outlook to 2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — Passenger Security 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 Passenger Security value chain with secondary data from associations, government publications, trade databases, and company disclosures. Proprietary modeling techniques, including 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 Passenger Security 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 Passenger Security Market Report

Global Passenger Security market size and growth projections (CAGR), 2024-2034

Impact of Russia-Ukraine, Israel-Palestine, and Hamas conflicts on Passenger Security trade, costs, and supply chains

Passenger Security market size, share, and outlook across 5 regions and 27 countries, 2023-2034

Passenger Security market size, CAGR, and market share of key products, applications, and end-user verticals, 2023-2034

Short- and long-term Passenger Security market trends, drivers, restraints, and opportunities

Porter’s Five Forces analysis, technological developments, and Passenger Security supply chain analysis

Passenger Security trade analysis, Passenger Security market price analysis, and Passenger Security supply/demand dynamics

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

Latest Passenger Security 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*

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