

Surveillance Technology Market Outlook 2025-2034: Market Share, and Growth Analysis By Technology (Video Surveillance, Big Data, Police Body Cameras, Biometrics, Domestic Drones, Face Recognition Technology, RFID Chips, Stingray Tracking Devices), By Storage (On-Premise, Cloud), By End-User

<https://marketpublishers.com/r/S168274A09E9EN.html>

Date: October 2025

Pages: 160

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

ID: S168274A09E9EN

Abstracts

The Surveillance Technology Market is valued at USD 158 billion in 2025 and is projected to grow at a CAGR of 14.4% to reach USD 531.1 billion by 2034. The surveillance technology market has become an indispensable pillar in global security and governance systems, encompassing a wide range of solutions that include video surveillance, biometric identification, radar systems, drone monitoring, and AI-powered analytics. From public safety and border control to retail, transportation, and infrastructure protection, surveillance technologies are central to ensuring situational awareness and operational efficiency. With the digitization of surveillance networks, the market is shifting from standalone hardware to integrated, software-driven platforms that enable centralized monitoring, real-time alerts, and predictive threat analysis. Urbanization, rising crime rates, cyber-physical threats, and the rapid proliferation of smart cities are accelerating demand for scalable and intelligent surveillance systems. Governments and enterprises alike are investing in technologies that provide both macro-level oversight and granular-level behavioral insights, aiming to enhance public safety, compliance, and emergency responsiveness in real time. The surveillance technology market expanded notably due to increased deployment of AI-enabled video analytics, facial recognition, and multi-sensor fusion platforms. Public sector initiatives for urban safety led to large-scale rollouts of smart surveillance systems across city intersections, transportation hubs, and government buildings. Enterprises embraced cloud-based surveillance for scalability and remote monitoring, while hybrid solutions

addressed data privacy concerns by offering local data storage. Biometric access control systems gained ground in corporate offices, airports, and healthcare facilities as part of contactless security protocols. Additionally, drones equipped with thermal cameras and real-time transmission tools became integral in crowd management, border surveillance, and event security. Concerns over data sovereignty and algorithmic bias prompted regulatory scrutiny in Europe and North America, influencing product development and procurement decisions. Technology vendors increasingly prioritized secure-by-design architectures and transparent AI models to address ethical and legal compliance challenges in surveillance operations. The surveillance technology market is expected to evolve with a focus on interoperability, automation, and ethical deployment. AI and machine learning will advance to support predictive surveillance—capable of identifying behavioral anomalies before they escalate into security incidents. Surveillance systems will increasingly integrate with smart city infrastructure, traffic control, and environmental monitoring networks to create unified command centers. Federated learning and edge AI are likely to gain adoption, enabling real-time data processing while preserving user privacy. Advances in biometric modalities such as gait analysis, iris recognition, and voice analytics will further diversify identity verification solutions. Cross-border surveillance collaboration may increase through regional data-sharing alliances. However, the growing concern over mass surveillance, civil liberties, and data misuse will necessitate robust legal frameworks and transparent governance structures. Vendors will need to balance innovation with responsible usage to ensure public trust and long-term market stability.

Key Insights Surveillance Technology Market

Integration of AI for Predictive Surveillance: AI-driven surveillance platforms are evolving to anticipate threats by analyzing behavioral patterns, allowing authorities to intervene preemptively rather than reactively, thereby enhancing public safety outcomes.

Expansion of Edge-Based Surveillance Architectures: Edge computing is gaining traction as it enables faster data processing, reduces latency, and limits the bandwidth needed for high-resolution video analytics, improving responsiveness in security-critical environments.

Increased Use of Drones in Monitoring Applications: Surveillance drones equipped with thermal sensors and 4K cameras are being adopted for perimeter patrol, search and rescue, and crowd surveillance, offering a flexible alternative to fixed-camera infrastructure.

Convergence of Surveillance with IoT Ecosystems: Surveillance technologies are being integrated with IoT networks to support real-time decision-making in smart cities, connecting traffic lights, sensors, alarms, and control rooms in a synchronized ecosystem.

Rising Demand for Ethical AI and Privacy-Centric Designs: In response to mounting concerns about surveillance overreach, tech companies are adopting privacy-first models, building explainable AI, and ensuring transparency in algorithmic decision-making.

Urbanization and Smart City Development: Rapid urban expansion and smart city initiatives are driving investments in intelligent surveillance systems that can manage traffic, reduce crime, and enhance civic services in real time.

Growing Need for Public Safety and Crime Prevention: Rising instances of terrorism, vandalism, and organized crime are pushing governments and private entities to enhance their surveillance capabilities with more advanced and responsive technologies.

Shift to Cloud and Hybrid Surveillance Platforms: The scalability, remote accessibility, and lower infrastructure requirements of cloud-based systems are encouraging widespread adoption across commercial, residential, and institutional applications.

Technological Advancements in Sensor Fusion and Biometrics: Innovations in combining video, thermal, and audio data streams—along with enhanced biometric accuracy—are improving the effectiveness of surveillance systems across diverse scenarios.

Privacy Concerns and Regulatory Compliance Pressures: The growing debate over facial recognition, mass surveillance, and data rights is prompting tighter regulations, requiring vendors and users to navigate complex legal landscapes while ensuring ethical deployment and data governance.

Surveillance Technology Market Segmentation

By Technology

Video Surveillance

Big Data

Police Body Cameras

Biometrics

Domestic Drones

Face Recognition Technology

RFID Chips

Stingray Tracking Devices

By Storage

On-Premise

Cloud

By End-User

BFSI (Banking

Financial Services And Insurance)

Government

Healthcare

Manufacturing

Retail

IT And Telecommunication

Media And Entertainment

Education

Other End-Users

Key Companies Analysed

Canon Inc

Motorola Solutions

AxxonSoft

Genetec

Qognify

NEC Corporation

Honeywell International Inc.

Verint Systems

March Networks

Identiv

Matrix comsec

SecurAX Tech Solutions Pvt Ltd

AMAG Technology Inc

CloudWalk Technology Co Ltd

Shenzhen IntelliFusion Technology Co Ltd

NetPosa Technologies Ltd

Haimeng

Jin Ruan

Ruitec

Goldeweb

HID Global

Gallagher Security (Europe) Ltd

Vanderbilt Industries

Assa Abloy Emea

Dahua Technology Ltd

British Security Industry Association (BSIA)

Fermax Electronica SAU

Delta Scientific Corporation

Userful Corporation

Anviz Global Inc

Vicon Industries

OnSSI

Packetlabs Ltd

Cyber Unit

Vumetric Cybersecurity

Cloudkeyz

ButterflyMX

Johnson Controls

Security Enhancement Systems

Openpath

Genea

Sequr Inc

Agility Technologies Corp (ATC)

Wolpac

Control iD

Avigilon Corporation

2point0 Concepts

DSX Access Systems

Inc

Evolv Technology

Al Nahr Company for Security Solutions

AL Smari Trading

Ametrad Technology Services Co

Biosec Solutions

BIO-key

BioRugged (Pty) Ltd

Surveillance Technology 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.

Surveillance Technology 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 — Surveillance Technology market data and outlook to 2034

United States

Canada

Mexico

Europe — Surveillance Technology market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — Surveillance Technology market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

Malaysia

Vietnam

Middle East and Africa — Surveillance Technology market data and outlook to

2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — Surveillance Technology 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 Surveillance Technology 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 Surveillance Technology 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 Surveillance Technology Market Report

Global Surveillance Technology market size and growth projections (CAGR), 2024-2034

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

Surveillance Technology market size, share, and outlook across 5 regions and 27 countries, 2023-2034

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

Short- and long-term Surveillance Technology market trends, drivers, restraints, and opportunities

Porter’s Five Forces analysis, technological developments, and Surveillance Technology supply chain analysis

Surveillance Technology trade analysis, Surveillance Technology market price analysis, and Surveillance Technology supply/demand dynamics

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

Latest Surveillance Technology 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.

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