

Asia Pacific AI For Public Security and Safety Market Forecast to 2030 –Regional Analysis – By Application (Preventative Policing, Criminal Investigation, Combating Terrorism, Emergency Response and Disaster Management, and Others), End User (Law Enforcement Agencies, Federal Intelligence and Security, and Others), and Component (Solution and Services)

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Abstracts

The Asia Pacific AI for public security and safety market is expected to grow from US\$ 3,047.60 million in 2023 to US\$ 20,284.28 million by 2030. It is estimated to grow at a CAGR of 31.1% from 2023 to 2030.

Growing Number of Smart Cities and Developments in Road Traffic Management Drives Asia Pacific AI for Public Security and Safety Market

City corporations and authorities are modifying their processes, technological capabilities, and approaches to serve citizens efficiently and meet the ever-changing needs of societies. Artificial intelligence (AI) can improve the processes defined to detect security risks and effectively respond to them. Advancements in video surveillance technology can also yield productive results. In smart cities, AI-integrated technologies are often employed to perform tasks that humans would otherwise find difficult. Besides, a smart city is a fast-growing concept in urban setups, combining technology and innovation to improve citizens' quality of life and promote sustainability. According to Abdalslam, global investment in smart city technologies reached US\$ 158 billion in 2022, and it is expected to reach US\$ 158 billion by 2025. The Japan have 10 and 8 smart cities, respectively. Video surveillance has become a popular way of monitoring traffic stops, preventing & solving crimes, and protecting houses. Moreover,

China accounts for more than 50% of video surveillance systems supplied worldwide. The prime purposes served by these systems include crowd estimation, weapon detection, critical hardware failure identification, investigation aids, and congestion reduction (to improve people and vehicle flow). AI-powered video analytics aid in the intelligent and accurate classification of objects (people, cars, etc.) and navigation on roads. When machines tag data in live and recorded video, responders and investigators can identify the people, objects, or movements more quickly and easily, saving hours of trawling through surveillance footage. Such data insights can save the lives of first responders and civilians during emergencies.

Public safety is much more than law enforcement and emergency responses, and it also includes proactive measures taken by cities to prevent different incidents and mishaps. For instance, the University of Tennessee in Chattanooga conducted research to better understand the reasons for road accidents and ways of preventing them. With the help of multiple sensors and historical data, the Center for Urban Informatics and Progress of this university developed an AI-based model that could be used to predict accidents and improve resource planning and deployment to manage crises and avoid accidents. The data was shared on a map-based collaboration platform where organizations across the city—from emergency service departments to the Department of Transportation—could access the model, view the results, and plan accordingly. Security systems help respond to incidents and enhance safety measures while providing information to the stipulated authorities to improve operations and overall experiences. The system architecture consists of AI modules with machine learning (ML) algorithms, IoT technology and sensors, smart drones, intelligent video surveillance, data analysis, and cybersecurity modules, which can efficiently protect citizens and their data from criminals while providing high speed and accuracy. Therefore, the growing number of smart cities, transit organizations, and public-facing businesses are expected to boost the Asia Pacific AI for public security and safety market.

Asia Pacific AI for Public Security and Safety Market Overview

In 2022, government of various countries in Asia Pacific spent approximately US\$ 17 billion on artificial intelligence systems, and the spending is expected to reach US\$ 32 billion by 2025. By 2025, state/local governments are expected to be the second highest spender on AI solutions, focusing on public safety and emergency response, augmented threat intelligence, and prevention systems. Thus, the increasing investment in the utilization of AI for public safety is fueling the growth of the market in the region. In Asia Pacific, AI enables public safety agencies to work more safely and efficiently by simplifying manual and repetitive tasks. In 2018, Asia Pacific suffered greater impacts from natural disasters than any other region. Munich Re, a reinsurance firm, found that 75% of all deaths from natural disasters globally occurred in Asia and accounted for 43% of all international events. Hence, to determine the upcoming natural disaster in

the region, AI technology is used to predetermine the changes in the environment. According to a report by Control Risks, a global risk consultancy, terrorism remained a threat in Asia Pacific as the number of attacks doubled between 2013 and 2018. In this environment, law enforcement authorities seek new technology solutions to help keep communities safe and secure. AI, in case of terrorism, is used to monitor the activities of the terrorist and detect the ammunition used by them. As per analysis, smart city spending across Asia Pacific, excluding Japan, reached around US\$ 35 billion in 2019, with data-driven, public safety projects listed among the top investment priorities. Smart cities use AI video surveillance technology to monitor the activities that can lead to criminal activities in the cities. Therefore, the growing investment in the development of smart cities is fueling the growth of the Asia Pacific AI for public security and safety market. Governments of various countries in APAC are investing heavily in developing their own homegrown AI capabilities by financing research and development and deployment efforts. Countries such as Australia, New Zealand, and South Korea are developing coordinated local and national strategies, while other countries such as Indonesia, Malaysia, and Thailand are adopting a more collaborative approach with private-sector players to develop their AI. The above-mentioned factors are fueling the growth of the Asia Pacific AI for public security and safety market in Asia Pacific.

Asia Pacific AI for Public Security and Safety Market Revenue and Forecast to 2030 (US\$ Million)

Asia Pacific AI for Public Security and Safety Market Segmentation

The Asia Pacific AI for public security and safety market is segmented into application, end user, component, and country.

Based on application, the Asia Pacific AI for public security and safety market is segmented into preventative policing, criminal investigation, combating terrorism, emergency response and disaster management, and others. In 2023, the preventative policing segment registered a largest share in the Asia Pacific AI for public security and safety market.

Based on component, the Asia Pacific AI for public security and safety market is bifurcated into solution and services. In 2023, the solution segment registered a larger share in the Asia Pacific AI for public security and safety market.

Based on end-use industry, the Asia Pacific AI for public security and safety market is segmented into law enforcement agencies, federal intelligence and security, and others. In 2023, the law enforcement agencies segment registered a largest share in the Asia Pacific AI for public security and safety market.

Based on country, the Asia Pacific AI for public security and safety market is segmented China, Japan, India, South Korea, Australia, and the Rest of Asia Pacific. In 2023, China segment registered a largest share in the Asia Pacific AI for public security and safety market.

Atos SE, Hexagon AB, Hitachi Ltd, Honeywell International Inc, IBM Corp, Motorola Solutions Inc, Thales SA, Voyager Labs Ltd, and XenonStack Pvt Ltd are the leading companies operating in the Asia Pacific AI for public security and safety market.

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