

Global Public Safety Drone Market Size Study & Forecast, by Type, Platform, Application, Mode of Operation, and Regional Forecasts 2025-2035

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Abstracts

The Global Public Safety Drone Market is estimated to be valued at approximately USD 1.24 billion in 2024 and is poised to experience a robust expansion at a CAGR of 13.00% over the forecast period from 2025 to 2035. Public safety drones, which were once niche tools in emergency response, have now evolved into indispensable assets deployed across fire, law enforcement, disaster management, and border surveillance operations. These aerial systems provide real-time situational awareness, thermal imaging, night-vision capabilities, and high-definition video relay—transforming the way emergency responders assess and act during crises. As governments across the globe actively pursue strategies to modernize public safety infrastructure, the adoption of drones has skyrocketed, offering operational agility, cost efficiency, and strategic intelligence.

Rising geopolitical tensions, increasing frequency of natural disasters, and growing urban population densities are collectively propelling the demand for advanced aerial surveillance solutions. Public safety agencies are increasingly integrating drones into daily operations for mission-critical tasks such as crowd monitoring, perimeter surveillance, and rapid assessment during fires or floods. Rotary-wing drones remain the most widely adopted due to their maneuverability in confined urban zones, while fixed-wing and hybrid models are gaining ground for long-endurance missions such as border patrolling and search-and-rescue over challenging terrains. Moreover, the proliferation of AI-enabled analytics and real-time data transmission via 5G networks is further amplifying drone utility across a spectrum of public safety applications.

Regionally, North America commands a dominant share, driven by extensive funding in homeland security initiatives, early adoption of drone-based technologies, and an

established framework for UAV regulation. The United States, in particular, has spearheaded efforts in integrating drones into police departments and disaster relief programs. Europe follows suit, fueled by cross-border cooperation projects and smart city deployments across Germany, France, and the UK. Meanwhile, Asia Pacific is projected to register the fastest growth over the forecast horizon, spurred by expanding infrastructure needs, increasing susceptibility to climate-induced disasters, and supportive drone-friendly policies across nations such as China, India, and Japan. Latin America and the Middle East & Africa, though nascent in adoption, are witnessing rising interest in leveraging drones to compensate for logistical limitations and enhance national security capabilities.

Major market player included in this report are:

DJI

Parrot Drones SAS

Teledyne FLIR LLC

Skydio, Inc.

Lockheed Martin Corporation

AeroVironment, Inc.

Thales Group

Elbit Systems Ltd.

Northrop Grumman Corporation

Autel Robotics

Yuneec International

Draganfly Inc.

Quantum Systems GmbH

Teal Drones Inc.

EHang Holdings Ltd.

Global Public Safety Drone Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast period – 2025-2035

Report Coverage – Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Regional Scope – North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope – Free report customization (equivalent up to 8 analysts' working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within the countries involved in the study. The report also provides detailed information about crucial aspects, such as driving factors and challenges, which will define the future growth of the market. Additionally, it incorporates potential opportunities in micro-markets for stakeholders to invest, along with a detailed analysis of the competitive landscape and product offerings of key players. The detailed segments and sub-segments of the market are explained below:

By Type:

Rotary Wing

Fixed Wing

Hybrid

By Platform:

Micro

Small

By Application:

Police Operations & Investigations

Firefighting & Disaster Management

Border Management

Others

By Mode of Operation:

Autonomous

Semi-Autonomous

Manual

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America

Brazil

Mexico

Middle East & Africa

UAE

Saudi Arabia

South Africa

Rest of Middle East & Africa

Key Takeaways:

Market Estimates & Forecast for 10 years from 2025 to 2035.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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