

Asia Pacific Drone Communication Market Size study, by Method (Radio Frequency, Single or Multi Sim, LTE/4G. Satellite, and 5G), by Application (Agriculture, Construction and Mining, Inspection, Oil and Gas, and Others) and Country Forecasts 2022-2032

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Abstracts

Asia Pacific Drone Communication Market is valued approximately at USD 831.69 million in 2023 and is anticipated to grow with a healthy growth rate of more than 22.69% over the forecast period 2024-2032. Drones can communicate with each other or with ground control stations by exchanging data. This covers transfer of sensor and video data, command and control messages, and inter-drone cooperation for swarming operations, among other things. Technologies including radio frequencies, satellite connectivity, GPS, and other communication protocols like MAVLink are necessary for communication. It is essential to provide security through authentication and encryption. Drone operations can be made safer and more effective in commercial, military, and recreational contexts by utilizing effective drone communication, which facilitates real-time monitoring, navigation, collision avoidance, and regulatory compliance. The Asia Pacific Drone Communication Market is expected to witness rapid growth driven by the various trends such as growing adoption of technological advanced drones across various sectors, particularly in military and defense applications. The region includes several emerging economies with burgeoning defense budgets, driving investment in modernizing military capabilities. As a result, there is a growing demand for advanced communication systems tailored to the unique requirement of drone operations.

The growing presence of drones within the military and defense sectors of the Asia Pacific region is significantly propelling the demand for the Drone Communication in APAC. As nations across Asia Pacific region bolster their defense capabilities and modernize their armed forces, the integration of unmanned aerial vehicles (UAVs) has

become a strategic imperative. This integration spans a range of applications, including surveillance, reconnaissance, intelligence gathering and even combat operations. Various countries across the region are equipping their military with advanced drone to further enhance its capabilities. For instance, in February 2024, US approved sale of military equipment and drones to India worth about USD 4 billion that are meant to be used to improve its maritime safety and surveillance. Furthermore, the need for robust and reliable communication systems tailored to the unique operational requirements of drones is on the rise. Advanced communication technologies facilitate seamless data exchange between drones, ground control stations, and command centers, enabling effective coordination and real-time decision-making. However, limited access to reliable power sources, internet connectivity, and communication networks, will stifle market growth between 2022 and 2032.

The key Countries considered for the Asia Pacific Drone Communication market study includes China, India, Japan, South Korea, Australia and Rest of Asia Pacific. In 2023, China was the largest regional market in terms of revenue. China is one of the largest adopters and manufacturers of drones, it has seen significant growth in the development and deployment of UAVs across various sectors, including military, defense, agriculture, logistics, and public safety. According to China UAV Industry Alliance estimations, there is more than 1,200 companies registered within the UAV and drone market in China. Around 10% of these companies have established international links, with the Asia-Pacific, Oceania and US. The market in India, on the other hand, is expected to develop at the fastest rate over the forecast period.

Major market player included in this report are:

Yuneec International Co. Ltd.

SZ DJI Technology Co Ltd

Marut Dronetech Private Limited

Company 4

Company 5

Company 6

Company 7

Company 8

Company 9

Company 10

The detailed segments and sub-segment of the market are explained below:

By Method

Radio Frequency
Single or Multi Sim
LTE/4G
Satellite
5G

By Application
Agriculture
Construction and Mining
Inspection
Oil and Gas
Others
By Region:
Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and country 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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