

US 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) Forecasts 2022-2032

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Abstracts

US Drone Communication Market is valued approximately at USD 920.68 million in 2023 and is anticipated to grow with a healthy growth rate of more than 21.40 % over the forecast period 2024-2032. Drone communication refers to the methods and technologies that drones or unmanned aerial vehicles, or UAVs, employ to establish a data link with ground control stations (GCS). In order to transmit video and sensor data from the UAV to the control station, disseminate telemetry data, and enable command and control (C2), drone communication technology is necessary. Using a variety of communication techniques, such as radio, satellite communication (SATCOM), cellular communication, and drone-to-drone communication, it aims to establish trustworthy and efficient links for seamless drone operations. The US Drone Communication Market is driven by the various trends such as technological advancements aimed at improving the range, reliability, security, and efficiency of communication systems for drones. Additionally, the market is influenced by regulatory developments and standards initiatives aimed at ensuring safe and responsible drone operations in the national airspace.

Advancements in communication technologies is one of the significant factors that drive demand for US Drone Communication Market. The rapid evolution of communication technologies, including developments in wireless protocols, satellite networks, and data transmission technologies, is enabling drones to operate more efficiently, reliably, and securely across various industries. It is designed to provide unique test and measurement capabilities to achieve accurate and reliable navigation systems for

optimizing air traffic control and ensuring public safety. Satellite communication technologies are also playing a crucial role in advancing drone communication capabilities. High-throughput satellite constellations and satellite-based broadband services offer ubiquitous coverage, enabling drones to maintain communication links even in remote or inaccessible areas where traditional ground-based communication infrastructure may be lacking. This is particularly valuable for applications such as aerial surveying, environmental monitoring, and emergency response. For instance, in May 2023, US announced that it has upgraded Satellite Communications (SATCOM) ability on an MQ-9 Reaper aerial drone at Alaska's Eielson Air Force Base. However, security and privacy concerns will stifle market growth between 2022 and 2032.

Major market player included in this report are:

Teal Drones

Skydio, Inc.

Freefly Systems

AgEagle Aerial Systems Inc

AeroVironment, Inc.

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

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.

Contents

CHAPTER 1. US DRONE COMMUNICATION MARKET DEFINITION AND RESEARCH ASSUMPTIONS

- 1.1. Research Objective
- 1.2. Market Definition
- 1.3. Research Assumptions
 - 1.3.1. Inclusion & Exclusion
 - 1.3.2. Limitations
 - 1.3.3. Supply Side Analysis
 - 1.3.3.1. Availability
 - 1.3.3.2. Infrastructure
 - 1.3.3.3. Regulatory Environment
 - 1.3.3.4. Market Competition
 - 1.3.3.5. Economic Viability (Consumer's Perspective)
 - 1.3.4. Demand Side Analysis
 - 1.3.4.1. Regulatory frameworks
 - 1.3.4.2. Technological Advancements
 - 1.3.4.3. Environmental Considerations
 - 1.3.4.4. Consumer Awareness & Acceptance
- 1.4. Estimation Methodology
- 1.5. Years Considered for the Study
- 1.6. Currency Conversion Rates

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. US Drone Communication Market Size & Forecast (2022- 2032)
- 2.2. Segmental Summary
 - 2.2.1. By Method
 - 2.2.2. By Application
- 2.3. Key Trends
- 2.4. Recession Impact
- 2.5. Analyst Recommendation & Conclusion

CHAPTER 3. US DRONE COMMUNICATION MARKET DYNAMICS

- 3.1. Market Drivers
- 3.2. Market Challenges

3.3. Market Opportunities

CHAPTER 4. US DRONE COMMUNICATION MARKET INDUSTRY ANALYSIS

4.1. Porter's 5 Force Model

- 4.1.1. Bargaining Power of Suppliers
- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.1.6. Futuristic Approach to Porter's 5 Force Model
- 4.1.7. Porter's 5 Force Impact Analysis

4.2. PESTEL Analysis

- 4.2.1. Political
- 4.2.2. Economical
- 4.2.3. Social
- 4.2.4. Technological
- 4.2.5. Environmental
- 4.2.6. Legal

4.3. Top investment opportunity

4.4. Top winning strategies

4.5. Disruptive Trends

4.6. Industry Expert Perspective

4.7. Analyst Recommendation & Conclusion

CHAPTER 5. US DRONE COMMUNICATION MARKET SIZE & FORECASTS BY METHOD 2022-2032

5.1. Radio Frequency

5.2. Single or Multi Sim

5.3. LTE/4G

5.4. Satellite

5.5. 5G

CHAPTER 6. US DRONE COMMUNICATION MARKET SIZE & FORECASTS BY APPLICATION 2022-2032

6.1. Agriculture

6.2. Construction and Mining

- 6.3. Inspection
- 6.4. Oil and Gas
- 6.5. Others

CHAPTER 7. COMPETITIVE INTELLIGENCE

- 7.1. Key Company SWOT Analysis
 - 7.1.1. Company
 - 7.1.2. Company
 - 7.1.3. Company
- 7.2. Top Market Strategies
- 7.3. Company Profiles
 - 7.3.1. Teal Drones
 - 7.3.1.1. Key Information
 - 7.3.1.2. Overview
 - 7.3.1.3. Financial (Subject to Data Availability)
 - 7.3.1.4. Product Summary
 - 7.3.1.5. Market Strategies
 - 7.3.2. Skydio, Inc.
 - 7.3.3. Freefly Systems
 - 7.3.4. AgEagle Aerial Systems Inc
 - 7.3.5. AeroVironment, Inc.
 - 7.3.6. Company
 - 7.3.7. Company
 - 7.3.8. Company
 - 7.3.9. Company
 - 7.3.10. Company

CHAPTER 8. RESEARCH PROCESS

- 8.1. Research Process
 - 8.1.1. Data Mining
 - 8.1.2. Analysis
 - 8.1.3. Market Estimation
 - 8.1.4. Validation
 - 8.1.5. Publishing
- 8.2. Research Attributes

List Of Tables

LIST OF TABLES

TABLE 1. US Drone Communication market, report scope

TABLE 2. US Drone Communication market estimates & forecasts by Method
2022-2032 (USD Million)

TABLE 3. US Drone Communication market estimates & forecasts by Application
2022-2032 (USD Million)

TABLE 4. US Drone Communication market by segment, estimates & forecasts,
2022-2032 (USD Million)

TABLE 5. US Drone Communication market by segment, estimates & forecasts,
2022-2032 (USD Million)

TABLE 6. US Drone Communication market by segment, estimates & forecasts,
2022-2032 (USD Million)

TABLE 7. US Drone Communication market by segment, estimates & forecasts,
2022-2032 (USD Million)

TABLE 8. US Drone Communication market by segment, estimates & forecasts,
2022-2032 (USD Million)

TABLE 9. U.S. Drone Communication market estimates & forecasts, 2022-2032 (USD
Million)

TABLE 10. U.S. Drone Communication market estimates & forecasts by segment
2022-2032 (USD Million)

TABLE 11. U.S. Drone Communication market estimates & forecasts by segment
2022-2032 (USD Million)

TABLE 12. List of secondary sources, used in the study of US Drone Communication
Market.

TABLE 13. List of primary sources, used in the study of US Drone Communication
Market.

TABLE 14. Years considered for the study.

TABLE 15. Exchange rates considered.

List Of Figures

LIST OF FIGURES

- FIG 1. US Drone Communication market, research methodology
- FIG 2. US Drone Communication market, market estimation techniques
- FIG 3. US market size estimates & forecast methods.
- FIG 4. US Drone Communication market, key trends 2023
- FIG 5. US Drone Communication market, growth prospects 2022-2032
- FIG 6. US Drone Communication market, porters 5 force model
- FIG 7. US Drone Communication market, pestel analysis
- FIG 8. US Drone Communication market, value chain analysis
- FIG 9. US Drone Communication market by segment, 2022 & 2032 (USD Million)
- FIG 10. US Drone Communication market by segment, 2022 & 2032 (USD Million)
- FIG 11. US Drone Communication market by segment, 2022 & 2032 (USD Million)
- FIG 12. US Drone Communication market by segment, 2022 & 2032 (USD Million)
- FIG 13. US Drone Communication market by segment, 2022 & 2032 (USD Million)
- FIG 14. US Drone Communication market, company market share analysis (2023)

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