

Military Drone Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2024 – 2032

<https://marketpublishers.com/r/M0E54C20ED52EN.html>

Date: October 2024

Pages: 184

Price: US\$ 4,365.00 (Single User License)

ID: M0E54C20ED52EN

Abstracts

The Global Military Drone Market was valued at USD 14.6 billion in 2023 and is projected to grow at a CAGR of 13.5% from 2024 to 2032. The increasing global defense budgets are significantly driving the expansion of the military drone sector. Nations are heavily investing in the modernization of their armed forces, with a particular emphasis on unmanned systems. This trend is especially prominent in regions experiencing heightened geopolitical tensions, including Asia-Pacific, Europe, and the Middle East. The surge in defense spending enables governments to allocate resources toward advanced drone technologies, essential for various military operations.

The military drone market can be categorized based on platform types, including fixed-wing, rotary-wing, and hybrid drones. In 2023, the rotary-wing segment held the largest market share, accounting for over 56%. This segment, which encompasses helicopters and rotary-wing drones, is witnessing significant growth due to its expanding applications in both military and civilian domains. Rotary-wing platforms are crucial for troop transport, reconnaissance missions, and combat support, demonstrating their versatility across different terrains.

Additionally, technological advancements such as improved avionics and propulsion systems are enhancing the operational capabilities of these platforms, allowing for longer flight times and increased payload capacities, thereby cementing their role as vital assets in modern warfare. The military drone market is also segmented by motor types, which include brushless and brushed drone motors. In 2023, the brushed motor segment emerged as the fastest-growing category, with a CAGR exceeding 14%. Brushed motors are appreciated for their simplicity and affordability, making them a popular choice for entry-level and hobbyist drones.

Their ease of use and low maintenance requirements make them ideal for beginners and budget-conscious consumers. However, compared to brushless motors, they tend

to have shorter lifespans and lower efficiency, which can result in reduced flight durations. Despite these limitations, their cost-effectiveness and widespread availability continue to drive demand in the consumer drone market. North America, particularly the United States, remains a leader in the drone market due to substantial investments in defense, commercial applications, and technological innovations.

The U.S. military extensively utilizes drones for various purposes, including surveillance, reconnaissance, and combat operations, influencing trends globally. Furthermore, drones are becoming increasingly essential for industries such as logistics, agriculture, and infrastructure inspections in the commercial sector. As regulations evolve to accommodate the growing use of drones, they foster a supportive environment for research and development, positioning the U.S. as a key player in the global drone industry.

Contents

Report Content

CHAPTER 1 METHODOLOGY & SCOPE

- 1.1 Market scope & definition
- 1.2 Base estimates & calculations
- 1.3 Forecast calculations
- 1.4 Data sources
 - 1.4.1 Primary
 - 1.4.2 Secondary
 - 1.4.2.1 Paid sources
 - 1.4.2.2 Public sources

CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Industry synopsis, 2021-2032

CHAPTER 3 INDUSTRY INSIGHTS

- 3.1 Industry ecosystem analysis
 - 3.1.1 Factor affecting the value chain
 - 3.1.2 Profit margin analysis
 - 3.1.3 Disruptions
 - 3.1.4 Future outlook
 - 3.1.5 Manufacturers
 - 3.1.6 Distributors
- 3.2 Supplier landscape
- 3.3 Profit margin analysis
- 3.4 Key news & initiatives
- 3.5 Regulatory landscape
- 3.6 Impact forces
 - 3.6.1 Growth drivers
 - 3.6.1.1 Significant increase in global defense expenditures fuels UAV demand
 - 3.6.1.2 Growing reliance on unmanned aerial systems for ISR operations
 - 3.6.1.3 Increasing growth of military drone fueled by AI and autonomous innovations
 - 3.6.1.4 Increased use of drone in asymmetric warfare and counter-insurgency
 - 3.6.1.5 Emerging focus on drone swarms and counter-drone innovations

- 3.6.2 Industry pitfalls & challenges
 - 3.6.2.1 Regulatory and ethical hurdles impacting global drone adoption
 - 3.6.2.2 Increasing cybersecurity threats posing risks to drone operations
- 3.7 Growth potential analysis
- 3.8 Porter's analysis
- 3.9 PESTEL analysis

CHAPTER 4 COMPETITIVE LANDSCAPE, 2023

- 4.1 Introduction
- 4.2 Company market share analysis
- 4.3 Competitive positioning matrix
- 4.4 Strategic outlook matrix

CHAPTER 5 MARKET ESTIMATES & FORECAST, BY MOTORS, 2021-2032 (USD MILLION & UNITS)

- 5.1 Key trends
- 5.2 Brushless drone motors
- 5.3 Brushed drone motors

CHAPTER 6 MARKET ESTIMATES & FORECAST, BY APPLICATION, 2021-2032 (USD MILLION & UNITS)

- 6.1 Key trends
- 6.2 ISR
- 6.3 Combat
- 6.4 Logistical support

CHAPTER 7 MARKET ESTIMATES & FORECAST, BY PLATFORM TYPE, 2021-2032 (USD MILLION & UNITS)

- 7.1 Key trends
- 7.2 Fixed-wing
- 7.3 Rotary-wing
 - 7.3.1 Single rotor
 - 7.3.2 Multi rotor
- 7.4 Hybrid drone

CHAPTER 8 MARKET ESTIMATES & FORECAST, BY RANGE, 2021-2032 (USD MILLION & UNITS)

- 8.1 Key trends
- 8.2 Close range (up to 50 km)
- 8.3 Short range (tactical drones) (up to 150 km)
- 8.4 Medium range (up to 600 km)
- 8.5 Long range/high endurance (over 600 km)

CHAPTER 9 MARKET ESTIMATES & FORECAST, BY PROPULSION, 2021-2032 (USD MILLION & UNITS)

- 9.1 Key trends
- 9.2 Fuel
- 9.3 Battery
- 9.4 Solar

CHAPTER 10 MARKET ESTIMATES & FORECAST, BY SIZE/WEIGHT CLASS, 2021-2032 (USD MILLION & UNITS)

- 10.1 Key trends
- 10.2 Micro drones (below 2 kg)
- 10.3 Mini drones (2 to 20 kg)
- 10.4 Medium drones (20 to 150 kg)
- 10.5 Heavy drones (above 150 kg)

CHAPTER 11 MARKET ESTIMATES & FORECAST, BY MODE OF OPERATION, 2021-2032 (USD MILLION & UNITS)

- 11.1 Key trends
- 11.2 Remotely piloted
- 11.3 Autonomous drone
- 11.4 Semi-autonomous drone

CHAPTER 12 MARKET ESTIMATES & FORECAST, BY END USE, 2021-2032 (USD MILLION & UNITS)

- 12.1 Key trends
- 12.2 Army

12.3 Navy

12.4 Air forces

CHAPTER 13 MARKET ESTIMATES & FORECAST, BY TAKE-OFF, 2021-2032 (USD MILLION & UNITS)

13.1 Key trends

13.2 Conventional

13.3 Vertical

CHAPTER 14 MARKET ESTIMATES & FORECAST, BY REGION, 2021-2032 (USD MILLION & UNITS)

14.1 Key trends

14.2 North America

14.2.1 U.S.

14.2.2 Canada

14.3 Europe

14.3.1 UK

14.3.2 Germany

14.3.3 France

14.3.4 Italy

14.3.5 Spain

14.3.6 Russia

14.4 Asia Pacific

14.4.1 China

14.4.2 India

14.4.3 Japan

14.4.4 South Korea

14.4.5 Australia

14.5 Latin America

14.5.1 Brazil

14.5.2 Mexico

14.6 MEA

14.6.1 South Africa

14.6.2 Saudi Arabia

14.6.3 UAE

CHAPTER 15 COMPANY PROFILES

- 15.1 AeroVironment, Inc.
- 15.2 Airbus
- 15.3 BAE Systems
- 15.4 Boeing
- 15.5 Dassault Aviation
- 15.6 Elbit Systems Ltd.
- 15.7 General Atomics Aeronautical Systems
- 15.8 Israel Aerospace Industries Ltd.
- 15.9 Leonardo S.p.A.
- 15.10 Lockheed Martin Corporation
- 15.11 Northrop Grumman Corporation
- 15.12 Raytheon Technologies Corporation
- 15.13 Robotcan Corporation
- 15.14 Shield AI

I would like to order

Product name: Military Drone Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2024 – 2032

Product link: <https://marketpublishers.com/r/M0E54C20ED52EN.html>

Price: US\$ 4,365.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/M0E54C20ED52EN.html>