

Global Unmanned Aerial Vehicle (UAV) Market 2023-2029

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Abstracts

Unmanned aerial vehicles (UAVs) are aircraft with no on-board crew or passengers. They can be automated drones or remotely piloted vehicles (RPVs). UAVs have been used in a variety of applications including object detection and tracking, public security, traffic surveillance, military operations, exploration of hidden or hazardous areas, indoor or outdoor navigation, atmospheric sensing, post-disaster operations, healthcare, data sharing, infrastructure management, emergency and crisis management, freight transportation, wildfire monitoring and logistics. The global unmanned aerial vehicle market is projected to rise by USD 18.3 billion by 2029, according to the latest market study results. It is anticipated to expand at a CAGR of 8.6 percent during the forecast period.

The report covers market size and growth, segmentation, regional breakdowns, competitive landscape, trends and strategies for global unmanned aerial vehicle market. It presents a quantitative analysis of the market to enable stakeholders to capitalize on the prevailing market opportunities. The report also identifies top segments for opportunities and strategies based on market trends and leading competitors' approaches.

This industry report offers market estimates and forecasts of the global market, followed by a detailed analysis of the product, component, application, end user, and region. The global market for unmanned aerial vehicle can be segmented by product: large UAVs, small UAVs. The small UAVs segment held the largest share of the global unmanned aerial vehicle market in 2022 and is anticipated to hold its share during the forecast period. Unmanned aerial vehicle market is further segmented by component: hardware, software. Globally, the hardware segment made up the largest share of the unmanned aerial vehicle market. Based on application, the unmanned aerial vehicle market is

segmented into: aerial photography and filming, border management, monitoring and inspection, product delivery, remote sensing, search and rescue, surveying and mapping, others. The monitoring and inspection segment was the largest contributor to the global unmanned aerial vehicle market in 2022. On the basis of end user, the unmanned aerial vehicle market also can be divided into: commercial, consumer, military and defense. The commercial segment is estimated to account for the largest share of the global unmanned aerial vehicle market. Unmanned aerial vehicle market by region is categorized into: Asia Pacific, Europe, North America, Rest of the World (RoW), Latin America.

The hardware market is further segmented into autopilot, camera, communication system, electronic warfare equipment, navigation and control system, power sources, sense and avoid system, sensors. In 2022, the navigation and control system segment made up the largest share of revenue generated by the unmanned aerial vehicle market. Furthermore, the commercial market has been categorized into agriculture, infrastructure, insurance, logistics and transport, media and entertainment, mining, oil and gas, telecommunication, others. Among these, the mining segment was accounted for the highest revenue generator in 2022. The consumer market is further divided into hobbyist, prosumer. The prosumer segment captured the largest share of the market in 2022 and is expected to maintain its dominance during the forecast period. The military and defense market is further segmented into homeland security, military. In 2022, the military segment made up the largest share of revenue generated by the unmanned aerial vehicle market.

Market Segmentation

By product: large UAVs, small UAVs

By component: hardware, software

By application: aerial photography and filming, border management, monitoring and inspection, product delivery, remote sensing, search and rescue, surveying and mapping, others

By end user: commercial, consumer, military and defense

By region: Asia Pacific, Europe, North America, Rest of the World (RoW), Latin America

The global unmanned aerial vehicle market report offers detailed information on several

market vendors, including AeroVironment Inc., Airbus S.A.S., BAE Systems plc, Delair SAS, Elbit Systems Ltd., EWATT Technology Co., Ltd., Exail Technologies SA (Groupe ECA), General Atomics Aeronautical Systems, Inc. (GA-ASI), General Dynamics Corporation, Guangzhou EHang Intelligent Technology Co., Ltd., Israel Aerospace Industries Ltd., Leonardo S.p.A., Northrop Grumman Corporation, Parrot SA, Rafael Advanced Defense Systems Ltd., Safran SA, SZ DJI Technology Co., Ltd., Teledyne FLIR LLC (Teledyne Technologies Incorporated), Textron Inc., Thales S.A., The Boeing Company, The Lockheed Martin Corporation, Yuneec International Co., Ltd., among others. In this report, key players and their strategies are thoroughly analyzed to understand the competitive outlook of the market.

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Scope of the Report

To analyze and forecast the market size of the global unmanned aerial vehicle market.

To classify and forecast the global unmanned aerial vehicle market based on product, component, application, end user, region.

To identify drivers and challenges for the global unmanned aerial vehicle market.

To examine competitive developments such as mergers & acquisitions, agreements, collaborations and partnerships, etc., in the global unmanned aerial vehicle market.

To identify and analyze the profile of leading players operating in the global unmanned aerial vehicle market.

Why Choose This Report

Gain a reliable outlook of the global unmanned aerial vehicle market forecasts from 2023 to 2029 across scenarios.

Identify growth segments for investment.

Stay ahead of competitors through company profiles and market data.

The market estimate for ease of analysis across scenarios in Excel format.

Strategy consulting and research support for three months.

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Contents

PART 1. INTRODUCTION

Report description
Objectives of the study
Market segment
Years considered for the report
Currency
Key target audience

PART 2. METHODOLOGY

PART 3. EXECUTIVE SUMMARY

PART 4. MARKET OVERVIEW

Introduction
Drivers
Restraints

PART 5. MARKET BREAKDOWN BY PRODUCT

Large UAVs
Small UAVs

PART 6. MARKET BREAKDOWN BY COMPONENT

Hardware
Software

PART 7. MARKET BREAKDOWN BY APPLICATION

Aerial photography and filming
Border management
Monitoring and inspection
Product delivery
Remote sensing
Search and rescue

Surveying and mapping
Others

PART 8. MARKET BREAKDOWN BY END USER

Commercial
Consumer
Military and defense

PART 9. MARKET BREAKDOWN BY REGION

Asia Pacific
Europe
North America
Rest of the World (RoW)
Latin America

PART 10. KEY COMPANIES

AeroVironment Inc.
Airbus S.A.S.
BAE Systems plc
Delair SAS
Elbit Systems Ltd.
EWATT Technology Co., Ltd.
Exail Technologies SA (Groupe ECA)
General Atomics Aeronautical Systems, Inc. (GA-ASI)
General Dynamics Corporation
Guangzhou EHang Intelligent Technology Co., Ltd.
Israel Aerospace Industries Ltd.
Leonardo S.p.A.
Northrop Grumman Corporation
Parrot SA
Rafael Advanced Defense Systems Ltd.
Safran SA
SZ DJI Technology Co., Ltd.
Teledyne FLIR LLC (Teledyne Technologies Incorporated)
Textron Inc.
Thales S.A.

The Boeing Company

The Lockheed Martin Corporation

Yuneec International Co., Ltd.

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