

Global VTOL UAV Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global VTOL UAV market size was valued at USD 2108.3 million in 2023 and is forecast to a readjusted size of USD 3690.3 million by 2030 with a CAGR of 8.3% during review period.

An unmanned aerial vehicle (UAV), commonly known as a drone, as an unmanned aircraft system (UAS), or by several other names, is an aircraft without a human pilot aboard. The flight of UAVs may operate with various degrees of autonomy: either under remote control by a human operator, or fully or intermittently autonomously, by onboard computers. Compared to manned aircraft, UAVs are often preferred for missions that are too 'dull, dirty or dangerous' for humans. They originated mostly in military applications, although their use is expanding in commercial, scientific, recreational, agricultural, and other applications, such as policing and surveillance, aerial photography, agriculture and drone racing.

VTOL UAV refers to Vertical Take-Off and Landing Unmanned Aerial Vehicle, one type of Drones. VTOL UAV categories include Multicopter, Helicopter and Hybrid.

Global VTOL UAV key players include DJI, PARROT, etc. Global top two manufacturers hold a share nearly 85%.

North America is the largest market, with a share about 65%, followed by China, and Europe, both have a share over 25 percent.

In terms of product, Small Sized VTOL UAV is the largest segment, with a share over 95%. And in terms of application, the largest application is Civil and Commercial, followed by Military, Homeland Security, etc.

The Global Info Research report includes an overview of the development of the VTOL UAV industry chain, the market status of Military (Small Sized VTOL UAV, Large Sized VTOL UAV), Homeland Security (Small Sized VTOL UAV, Large Sized VTOL UAV), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of VTOL UAV.

Regionally, the report analyzes the VTOL UAV markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global VTOL UAV market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the VTOL UAV market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the VTOL UAV industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (Unit), revenue generated, and market share of different by Type (e.g., Small Sized VTOL UAV, Large Sized VTOL UAV).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the VTOL UAV market.

Regional Analysis: The report involves examining the VTOL UAV market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the VTOL UAV market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to VTOL UAV:

Company Analysis: Report covers individual VTOL UAV manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards VTOL UAV. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Military, Homeland Security).

Technology Analysis: Report covers specific technologies relevant to VTOL UAV. It assesses the current state, advancements, and potential future developments in VTOL UAV areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the VTOL UAV market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

VTOL UAV market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Small Sized VTOL UAV

Large Sized VTOL UAV

Market segment by Application

Military

Homeland Security

Civil and Commercial

Major players covered

DJI

PARROT

3D Robotics

AscTec

Yamaha

XAIRCRAFT

ZERO TECH

Ehang

IAI

CybAero

Alpha Unmanned Systems

Microdrones

Ewatt

Hanhe

GoPro

LONCIN MOTOR

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe VTOL UAV product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of VTOL UAV, with price, sales, revenue and global market share of VTOL UAV from 2019 to 2024.

Chapter 3, the VTOL UAV competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the VTOL UAV breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and VTOL UAV market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of VTOL UAV.

Chapter 14 and 15, to describe VTOL UAV sales channel, distributors, customers, research findings and conclusion.

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