

# Commercial Drones Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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## Abstracts

### Market Overview:

The global commercial drones market size reached US\$ 20.7 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 84.3 Billion by 2028, exhibiting a growth rate (CAGR) of 25.9% during 2023-2028. Rapid advancements in drone technology, government initiatives and regulations supporting the integration of drones, and burgeoning investments in research and development (R&D) by key manufacturers represent some of the key factors driving the market.

Commercial drones, also known as unmanned aerial vehicles (UAVs), are aerial vehicles that are operated remotely by a human operator or autonomously using software-controlled flight plans. They consist of several key components, including a flight controller, propulsion system, sensors, and communication system. The flight controller is responsible for controlling its movements, whereas the propulsion system consists of electric motors and propellers that provide lift and thrust. The communication system enables the drone to transmit data and receive commands from a remote operator. Commercial drones offer numerous advantages as they are faster, more accurate, and more cost-effective and aid in performing high-quality aerial filming and photography. Additionally, they can be equipped with a wide range of sensors, including thermal imaging and LiDAR, allowing for a variety of applications, from mapping and surveying to agriculture and emergency response. Currently, there are umpteen product variants available on the market, including fixed-wing drones, multi-rotor drones, and hybrid drones.

### Commercial Drones Market Trends:

The market is primarily driven by the increasing product demand across the agriculture, construction, and logistics industries. This is further bolstered by the advancements in drone technology, including the development of sophisticated sensors, improved battery life, and enhanced data processing capabilities. Moreover, the implementation of various government initiatives and regulations supporting the integration of drones into commercial operations and the rising need for quick and reliable last-mile delivery solutions across the e-commerce sector are driving the market growth. Furthermore, the widespread product adoption in disaster management, aerial photography, and inspection services and the burgeoning investments in research and development (R&D) by key manufacturers are providing an impetus to the market growth. Apart from this, the emergence of autonomous drones that assists in military and law enforcement operations, search and rescue missions, and environmental monitoring, is favoring the market growth. In line with this, rapid technological advancements, such as the integration of artificial intelligence (AI) and machine learning (ML) technologies to recognize and track objects in real time and enhance the capabilities of drones is creating a positive outlook for the market. Other factors, such as the decreasing costs of drone production and the availability of affordable consumer drones are propelling the market growth

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global commercial drones market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on weight, system, product, mode of operation, application and end use.

#### Weight Insights:

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