

Commercial Drone Market Size, Share & Trends Analysis Report By Product, By Application, By End-use, By Propulsion Type, By Range, By Operating Mode, By Endurance, By Region, And Segment Forecasts, 2023 - 2030

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Abstracts

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Commercial Drone Market Growth & Trends

The global commercial drone market size is expected to reach USD 57.16 billion by 2030, expanding at 13.9% CAGR from 2023 to 2030, according to a new report by Grand View Research, Inc. The growth is attributed to the rising demand for commercial drones across various verticals, such as media and entertainment, agriculture, logistics, security, law enforcement, and real estate. Most end-use verticals include a significant portion of operational activities that are expected to benefit notably from drones due to the automation of business operations.

The growing proclivity for the 5G delivery model and implementing cloud computing technologies into the drone is expected to provide substantial growth opportunities for the commercial drone industry. Drones based on high-speed internet interact in challenging environments while performing tasks such as command and control, media sharing, and autonomous flying. In May 2023, Nokia launched a CE-certified, 5G drone-in-a-box solution designed to meet organizational demands, including smart cities, public safety agencies, construction, energy, and defense. The Nokia Drone Networks connect over public and private 5G and 4G/LTE networks to improve situational awareness for first responders as well as other professionals.

The continued technological advancements are expected to shape the commercial drone industry's outlook in the coming years. Drones have evolved from offering only the basic controls to 3D robotics, AI, Gimbals, safety modes, carrying capacity, high-quality video, etc. High-end drones equipped with in-built protections and compliance technology, self-monitoring capabilities, and smart precision sensors are expected to create new opportunities in the commercial sectors.

Commercial Drone Market Report Highlights

Asia Pacific accounted for the highest market share of almost 30% in 2022. The factors such as supportive legislation and the increasing adoption of commercial drones by government authorities are expected to drive the regional market growth over the forecast period

In terms of product, the fixed-wing segment is expected to witness significant growth at a CAGR of around 14% over the forecast period due to the increasing demand for mapping and surveying applications

In terms of application, the precision agriculture segment is anticipated to witness substantial growth, as drones find important usage in various vital farm operations, including examination and preparation of crop plantation and field monitoring to regulate the growth and health of crops

In terms of end-use, the delivery & logistics segment is expected to record a CAGR of over 17% from 2023 to 2030 with the increasing adoption of drones for cargo, medicines, and food delivery

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