

Commercial UAV Market to Reach USD \$8.04 Billion by 2029 at 7.1% CAGR

*The Business Research Company's
Commercial UAV Market to Reach USD
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How Big Is The [Commercial UAV Market](#) In 2025?

The size of the commercial UAV market has seen a phenomenal increase in the past few years. It is projected to expand from a valuation of \$14.91 billion in 2024 to \$18.32 billion in 2025, marking a compound annual growth rate (CAGR) of 22.9%. Factors that have catalyzed this growth during the historic phase include its extensive use in civilian and commercial purposes, an escalating number of applications, amplified usage by military forces, increased government funding, and a growing demand for secure and precise inspection and monitoring mechanisms.

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Expected to grow to \$41.96 billion in 2029 at a compound annual growth rate (CAGR) of 23%”

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The market size of commercial UAV is predicted to experience a surge in growth over the coming years, with a forecasted value of \$41.96 billion in 2029 and a compound annual growth rate (CAGR) of 23.0%. Factors contributing to the growth during the forecast period include heightened patrolling of marine boundaries, swift industrial progress, expanding demand for industrial automation, growth in foreign investments, and an uptick in the transfer of UAV-related technologies. The prediction period also sees trends such as technological advances, product innovation, enhanced utilization for airborne remote sensing, the emerging use of UAVs in the commercial industry, and a climb in research and development for new, cutting-edge technology.

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What Are The Key Driving Factors For The Growth Of The Commercial UAV Market?

As automation increases, it's expected to fuel the expansion of the commercial UAV market. Automation, defined as the use of technology, systems, or processes to execute tasks with minimal human involvement, aims to streamline procedures, boost efficiency, minimize mistakes, and improve overall productivity across various sectors and applications. Through GPS waypoints and predefined flight paths, automation allows UAVs to conduct surveillance, mapping, and monitoring of large areas sans direct human control. In March 2023, Verizon Communications Inc., a US telecom firm, conveyed that retailers expect a significant uptick in automation, foreseeing up to 70% of routine tasks being partially or entirely automated by 2025. The incorporation of AI to refine operations is expected to undergo a 9x increase by 2025. Hence, the rise in automation is accelerating the growth of the commercial UAV market.

Who Are The Key Players In The Commercial UAV Industry?

Major players in the Commercial UAV Global Market Report 2025 include:

- Raytheon Technologies
- The Boeing Company
- Intel Corporation
- General Dynamics Corporation
- Northrop Grumman
- BAE Systems plc
- Textron Inc.
- Turkish Aerospace Industries Inc.
- SAIC Inc.
- Elbit Systems Ltd.

What Are The Prominent Trends In The Commercial UAV Market?

Leading firms in the commercial UAV industry are creating ground-breaking technologies, like commercial drone platforms, to boost their market profitability. Commercial drone platforms are tailored types of unmanned aerial vehicles (UAVs) or drones that are designed specifically for commercial activities, as opposed to recreational or military uses. For example, SZ DJI Technology Co. Ltd., a technology organization based in China, in May 2023, introduced a fresh commercial drone platform known as DJI Matrice 350 RTK, and enhanced protective measures to secure the drone and the data it procures, along with its communication channels. This cutting-edge commercial drone can accommodate various payloads, possesses complex feature sets, and pairs well with several professional payloads to enable comprehensive data capture across multiple sectors. This functionality incorporates secure authentication, encryption, and defence from cyberattacks. It can equip high-resolution cameras, LiDAR sensors, thermal imaging cameras, or other niche sensors to meet the needs of various industries and applications.

What Segments Are Covered In The Commercial UAV Market Report?

The commercial uav market covered in this report is segmented –

- 1) By Type: Fixed Wing Drones, Rotary Wing Drones, Hybrid Drones
- 2) By Weight: <2 kg, 2kg – 25 kg, 25kg – 150 kg, 150kg
- 3) By Application: Agriculture, Retail, Energy, Media And Entertainment, Construction, Government

Subsegments:

- 1) By Fixed Wing Drones: Long-Endurance Drones, Short-Endurance Drones, Surveying And Mapping Drones
- 2) By Rotary Wing Drones: Quadcopters, Hexacopters, Octocopters
- 3) By Hybrid Drones: VTOL (Vertical Take-Off And Landing) Drones, Multi-Rotor With Fixed Wing Capabilities

View the full commercial uav market report:

<https://www.thebusinessresearchcompany.com/report/commercial-uav-global-market-report>

Which Region Is Expected To Lead The Commercial UAV Market By 2025?

In 2024, North America held the dominant position in the commercial UAV market. The region predicted to experience the most rapid growth in the forecast period is Asia-Pacific. The commercial UAV market report includes regions such as Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, and Africa.

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