

Tethered Drone Market Growing at 4.9% CAGR to Generate \$404.9 Million by 2031

Factors as Safety concerns, heightened demand for enhanced surveillance owing to the increasing threat of terrorism, technological advancements in tethered UAVs

WILMINGTON, DE, UNITED STATES, July 31, 2025 /EINPresswire.com/ -- [Tethered drone market size](#) is garnered \$257.3 million in 2021, and is anticipated to value at \$404.9 million by 2031, with a noteworthy CAGR of 4.9% during the forecast period of 2022 to 2031.



The global tethered drone market is experiencing growth due to factors such as an increased spending on defense by governments, rapid adoption of tethered drone in the commercial sector, surge in security concerns across the world, heightened demand for enhanced surveillance owing to the increasing threat of terrorism, and technological advancements in tethered UAVs which offered new opportunities for low altitude satellite surveillance, live streaming events, border patrols, and more. On the other hand, concerns regarding privacy and security and rising competition in aerial imagery restrict the market growth to some extent. Nevertheless, advancements in drone technologies and expanding the connectivity of tethered drones will provide ample growth opportunities in the upcoming years.

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Growing demand for drones for numerous applications across the globe. In addition, the key players operating in the industry have carried out numerous developments toward introducing advanced tethered drones, which is expected to boost the growth of the market across the globe. By solution, the tethered drone segment dominated the global tethered drone market in 2021, in terms of revenue. By application, the commercial & recreational segment dominated the global tethered drone market in 2021, in terms of revenue. By end use, the commercial segment dominated the global tethered drone market in 2021, in terms of revenue. Presently, North

America is the highest revenue contributor and is expected to lead the market during the forecast period, followed by Europe.

Tethered drones are a form of unmanned aerial drones that are connected to a specific base station located on the ground through a wire (tether) that is used for the operation of drone. With the help of tethers used for controlling the drone, unlimited flight time is provided to the drones, thus increasing their operational efficiency. Technological developments in tethered UAVs have opened up new possibilities for border patrols, live streaming events, temporary communication towers, low-altitude satellite surveillance and much more. Numerous developments are being carried out by the key manufacturers, which offers unlimited flight time and reliability, with the flexibility to detach the tether for range when needed. This creates an immense traction on the growth of the market across the globe.

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Tethered Drone Market by Solution (Tethered Drone, Tethered Stations), by Application (Search and Rescue, Telemetry and communication, Surveillance and Protection, Commercial and Recreational), by End Use (Commercial, Military): Global Opportunity Analysis and Industry Forecast, 2021-2031.

The regional analysis in the report states that the market across North America was largest in 2021, accounting for nearly one-third of the overall market revenue and is expected to rule the roost throughout the forecast timeframe. The same region is estimated to showcase the fastest CAGR of 6.0% from 2022 to 2031. The growth of the market across the region is driven by improvement programs among the region, multiple military modernization led to adoption of tethered drone systems by the defense and law enforcement agencies across the region. Furthermore, surge in investment by the North American nations drive the expansion of tethered drone system equipment. Additionally, the presence of leading equipment manufacturers across the region propels market growth to some extent.

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Sky-Drones Technologies Ltd.

Novadem

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Fotokite

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