

Anti-Drone Market Is Likely To Reach a Valuation of US\$ 7.4 Billion 2032

Rising drone demand and government aerospace spending will propel the anti-drone market's growth.

ROCKVILLE, MD, UNITED STATES, October 26, 2023 /EINPresswire.com/ -- A highly developed country like the United States of America allocates an annual budget of \$778 billion for military and defense purposes. When it comes to countering drones, the focus has primarily been on research efforts rather than procurement. Investment in this area has shown a decreasing trend since 2018, although it reached a peak of \$1.49 billion in that year. The U.S. Department of Defense (DoD) stands as the largest client for drone countermeasure hardware and has significantly invested in research and development for counter-drone technology since its introduction to the Anti-Drone market.



Market Research that Inspires Growth

In 2022, the global [anti-drone market size](#) was valued at approximately US\$ 1.1 Billion, and it is anticipated to reach a substantial market worth of US\$ 7.4 Billion by 2032. This remarkable growth is projected to be driven by a remarkable Compound Annual Growth Rate (CAGR) of 20.9% from 2022 to 2032. Currently, anti-drone system sales represent approximately 4% of the global drone market, but as the global drone market continues to expand, anti-drone technology is expected to witness a rapid increase in adoption.

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Rising Demand for Anti-Drone Technology Predicted by Fact.MR

Fact.MR, a renowned market research and competitive intelligence provider, foresees a flourishing demand for anti-drone devices in the coming years. Anti-drone technology plays a crucial role in identifying and intercepting unmanned aerial vehicles (UAVs) and unwanted drones. The proliferation of cost-effective UAVs has led to a significant upsurge in the use of hostile drones for various purposes, including deploying explosives, smuggling contraband, and gathering sensitive information on valuable assets.

Anti-drone solutions find diverse applications across multiple sectors, including homeland security, military and defense, airport operations, commercial security service providers, critical infrastructure owners, and more. In alignment with the latest trends in anti-drone systems, the demand for drone detection systems is expected to rise in tandem with the increasing adoption of drones and UAVs.

The military and defense sectors are anticipated to significantly harness counter-drone systems. Over the assessment period, anti-drone systems covering distances of 1 km to 4 km are poised for substantial growth, contributing to the overall market expansion. The growth of this market segment is further propelled by the heightened aerospace and defense expenditure and the widespread adoption of counter-drone technology, driven by decreasing costs. This is expected to result in robust sales of anti-drone systems throughout the coming decade.

Key Companies Profiled

- Advanced Protection Systems
- ApolloShield
- Avnon Group
- Battelle Memorial Institute
- Blighter Surveillance Systems Ltd.
- CerbAir
- Citadel Defense
- Dedrone
- DeTect Inc.
- D-Fend Solutions A.D. Ltd.
- Droneshield Ltd
- Grumman Corp.
- Guard from Above BV
- Israel Aerospace Industries Ltd.
- Leonardo s.p.a
- Liteye Systems, Inc.
- MBDA
- Mydefence Communication

Growing Demand and Trends in the Anti-Drone Market: Insights from Fact.MR's Latest Analysis

Fact.MR's latest analysis of the anti-drone market reveals a significant surge in sales of anti-drone systems, with a remarkable growth rate of 17.6% from 2017 to 2021. This remarkable expansion is primarily driven by the increasing demand for various applications of anti-drone technology. Notably, drone detection equipment emerged as a dominant force, commanding approximately 29.1% of the market share in 2021. The rapid proliferation of commercial drones further contributes to this remarkable growth.

One of the key driving factors for the burgeoning anti-drone technology market is the accelerating demand for stationary and mobile anti-drone jammers, particularly from the homeland security sector. This demand is poised to expedite the adoption of anti-drone technology. In North America, the increasing deployment of anti-drone weapons with a range of 4 km to 20 km is expected to result in an impressive \$678 million absolute opportunity over the forecast period.

Additionally, the rising popularity of long-range acoustic devices (LRAD) and concealed threat detection systems as reliable safety measures is expected to fuel market expansion throughout the period spanning 2022 to 2032. Notably, drone detection anti-drone radars, categorized under the drone detection equipment segment, are projected to witness a robust Compound Annual Growth Rate (CAGR) of 21.3% over the forecast period.

Advancements in UAV Technology Shaping the Anti-Drone Market

The Missile Technology Control Regime (MTCR) imposes limitations on armed drones flying at speeds below 800 kilometers per hour. This restriction is expected to boost the short-term exports of MALE (Medium Altitude Long Endurance) and HALE (High Altitude Long Endurance) UAVs.

The United States leads in both the volume and value of exported UAVs, with the majority of exports comprising smaller UAVs. In 2020, the U.S. exported UAVs with a total value of \$171 million, out of which \$147 million were for UAVs weighing less than 500 kg.

The increasing demand for UAVs has led to a decrease in their unit prices. In response to this surge, the demand for anti-drone systems has grown as they offer enhanced security against drones and UAVs. Consequently, the anti-drone market is on the rise.

Escalating Government Investments in the Aerospace & Defense Sector

Amid mounting geopolitical tensions, particularly in regions like Russia-Ukraine and China-Taiwan, an upsurge in expenditures for bolstering the aerospace and defense capabilities of various nations has become evident. Countries including the United States, United Kingdom, Russia, China, and India are intensifying their defense budgets in anticipation of potential crises.

Among the array of counter-drone weaponry, anti-drone rifles are frequently employed to neutralize aerial threats. The United States leads the world in defense expenditure, allocating a staggering \$778 billion, with China, India, Russia, the United Kingdom, and Saudi Arabia following suit.

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Evolution of the Competitive Landscape in Anti-Drone Technology

The realm of anti-drone systems is in a constant state of evolution, driven by the need to adapt to rapidly evolving challenges. Leading manufacturers in this field are actively pursuing competitive market pricing strategies and incorporating integrated systems complemented by sophisticated software solutions.

Collaborative efforts between anti-drone companies and government entities as well as various end-use industries are on the rise, aimed at accelerating the deployment of anti-drone systems. This heightened focus on security, coupled with the growing demand for drone protection, is generating a surge in demand for advanced military anti-drone technology.

- In April 2022, Thales and CS GROUP initiated a joint program in France and Europe to develop a system capable of providing continuous, deployable protection for critical infrastructure against drone threats.
- In April 2021, Dedrone introduced its inaugural portable drone detection unit, DedroneRapidResponse, capable of detecting, identifying, locating, and analyzing nearly 300 different drone types.
- In January 2020, Aveillant Limited, a Thales Company, proudly announced the deployment of its anti-drone systems at Heathrow Airport as part of a comprehensive counter-drone initiative provided by Operational Solutions Ltd. This deployment was designed to safeguard the UK's busiest airfield from potential drone-related incidents.

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[Drone Accessories Market](#): The global drone accessories market is currently valued at US\$ 17.5 billion and is set to top US\$ 115 billion by 2032, expanding at an astonishing CAGR of around 20.7% from 2022 to 2032.

[Drone Batteries Market](#): The global drone batteries market is set to enjoy a valuation of US\$ 6.3 billion in 2022 and further expand at a CAGR of 8.3% to reach US\$ 14.1 billion by the end of 2032.

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