

Global Drone Detection Market Size study, by Technology (Radar Systems, RF Detection), by Platform (Fixed, Mobile), by End Use (Military & Defense, Commercial), by Range, and Regional Forecasts 2022-2032

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Abstracts

The Global Drone Detection Market is valued at approximately USD 0.61 billion in 2023 and is anticipated to grow with a phenomenal CAGR of 29.00% over the forecast period 2024–2032. As the proliferation of unmanned aerial vehicles (UAVs) accelerates, propelled by their utility across sectors, so too does the threat they pose to sensitive infrastructures, airspaces, and national security. This dynamic has catalyzed a technological arms race in the development of drone detection systems capable of identifying, tracking, and neutralizing rogue UAVs in real-time. Blending cutting-edge radar capabilities with RF analytics and artificial intelligence, drone detection solutions are rapidly emerging as critical infrastructure for governments, defense agencies, and high-value commercial assets alike.

The evolving drone landscape presents an increasingly complex security challenge, with consumer-grade UAVs often modified for espionage, surveillance, or even weaponization. In response, market players are integrating RF detection with electro-optical and infrared systems to bolster target acquisition accuracy and mitigate false positives. Moreover, mobile and fixed drone detection platforms are being deployed across border checkpoints, military zones, stadiums, and data centers. These systems, often embedded with machine learning algorithms, are capable of adapting to evolving drone behaviors, thereby expanding their threat-mitigation efficacy across diverse environments and operational ranges.

While the urgency to secure skies is palpable, the market contends with persistent



hurdles—chief among them being regulatory ambiguity in UAV engagement protocols and high system costs for widespread commercial deployment. Additionally, interoperability challenges across jurisdictions and technologies remain a stumbling block. Nevertheless, governments worldwide are ramping up investments into homeland security technologies and updating aviation frameworks to include drone-related threats. At the same time, commercial sectors such as energy, logistics, and event security are exploring scalable, cost-effective mobile units, signaling a shift toward democratization of airspace defense.

From a geographic lens, North America currently holds a dominant share of the global drone detection market, owing to heightened defense budgets, strong federal mandates, and a thriving technology ecosystem. The region continues to set the benchmark in UAV countermeasure implementation across public and private sectors. Europe trails closely, driven by rising threats to critical infrastructure and strengthened by cross-border cooperation in security initiatives under EU frameworks. Meanwhile, the Asia Pacific region is projected to witness the fastest growth, fueled by increasing regional conflicts, expanded drone usage in commercial settings, and significant government investments in surveillance and defense modernization programs in countries like China, India, and Japan.

Major market player included in this report are:

Dedrone	Hol	dings	Inc.
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Thales Group

Raytheon Technologies Corporation

Leonardo S.p.A.

DroneShield Ltd

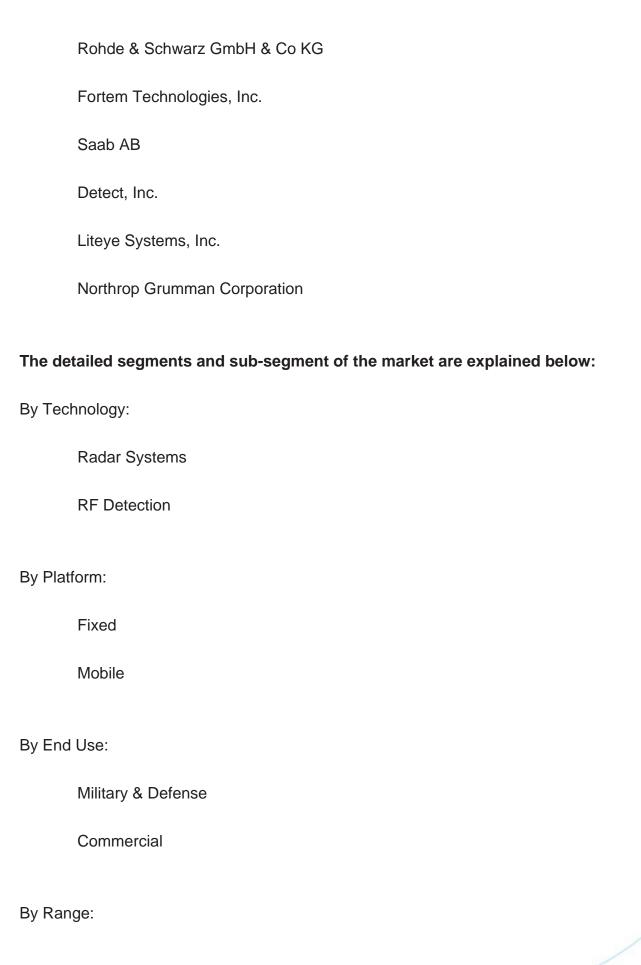
Lockheed Martin Corporation

Israel Aerospace Industries

Blighter Surveillance Systems Ltd.

SRC, Inc.







	Short Range			
	Medium Range			
	Long Range			
By Po	gion:			
By Region:				
North America				
	U.S.			
	Canada			
Europ	e			
	UK			
	Germany			
	France			
	Spain			
	Italy			
	ROE			
Asia F	acific			
	China			
	India			
	Japan			



Australia
South Korea
RoAPAC
Latin America
Brazil
Mexico
Middle East & Africa
Saudi Arabia
South Africa
RoMEA
Years considered for the study are as follows:
Historical year – 2022
Base year – 2023
Forecast period – 2024 to 2032
Key Takeaways:
Market Estimates & Forecast for 10 years from 2022 to 2032.
Annualized revenues and regional level analysis for each market segment.
Detailed analysis of geographical landscape with Country level analysis of

major regions.



Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market

Companies Mentioned

Dedrone Holdings Inc.

Thales Group

Raytheon Technologies Corporation

Leonardo S.p.A.

DroneShield Ltd

Lockheed Martin Corporation

Israel Aerospace Industries

Blighter Surveillance Systems Ltd.

SRC, Inc.

Rohde & Schwarz GmbH & Co KG

Fortem Technologies, Inc.

Saab AB

Detect, Inc.



Liteye Systems, Inc.

Northrop Grumman Corporation



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