

Global India Drones Market Size Study, by Type (Fixed Wing, Rotary Wing, Hybrid), Component (Hardware, Software, Accessories), Payload (170 Kilograms), Point of Sale (Original Equipment Manufacturers (OEM), Aftermarket), End Use Industry (Construction, Agriculture, Military and Defense, Law Enforcement, Logistics, Media and Entertainment, Others) and Regional Forecasts 2022-2032

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Abstracts

The India drones market is valued at approximately USD 558.97 million in 2023 and is projected to exhibit a robust compound annual growth rate (CAGR) of 17.0% over the forecast period 2024-2032, reaching an estimated USD 2296.47 million by 2032. This rapid market expansion is fueled by significant advancements in drone technology and their increasing adoption across various industries.

Drones, commonly referred to as unmanned aerial vehicles (UAVs), are equipped with advanced systems such as global positioning systems (GPS), collision avoidance sensors, thermal cameras, and ground control systems. These technologies enhance the functionality of drones, making them indispensable in industries like construction, agriculture, and defense. For instance, drones play a vital role in land surveying, visual inspections, and real-time data collection, reducing operational risks and human errors.

The growing trend of aerial photography and videography, coupled with advancements like the integration of artificial intelligence (AI) and machine learning (ML), is further accelerating the market growth. These technologies enable drones to automate navigation and enhance their imaging capabilities, broadening their application in

sectors like media and entertainment. Additionally, government initiatives such as 'Drone Shakti' and rising investments in research and development (R&D) are paving the way for the introduction of customized and technologically advanced drones.

Despite challenges such as high costs and regulatory complexities, the increasing use of drones in the military sector to address cross-border concerns and in agriculture for precision farming underscores the market's growth potential. Regionally, North India leads the market, supported by industrial growth and technological advancements, while South India is emerging as a promising region for market expansion.

Major market players included in this report are:

DJI

Parrot Drones

Aerodyne Group

General Atomics

Terra Drone Corporation

Delair

Ehang

Asteria Aerospace

ideaForge Technology Pvt Ltd

Thales Group

Boeing

Lockheed Martin Corporation

Northrop Grumman

Kratos Defense & Security Solutions

Elbit Systems

The detailed segments and sub-segments of the market are explained below:

By Type

Fixed Wing

Rotary Wing

Hybrid

By Component

Hardware

Software

Accessories

By Payload

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