

# Global Aerial Imaging Market Size Study, by Camera Orientation (Oblique, Vertical), by Oblique (Low Oblique, High Oblique), by End-Use (Government, Defense, Forestry and Agriculture, Others) and Regional Forecasts 2022-2032

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## Abstracts

Global Aerial Imaging Market is valued at approximately USD 9.25 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 25.5% over the forecast period 2024-2032. Aerial imaging involves capturing photographs from airborne platforms, including drones, helicopters, and aeroplanes. This technique has applications in volume-based calculations, route design, urban planning, and updating existing maps. The increasing popularity of location-based services and the expanding application areas of aerial imagery are prominent drivers of this market. Additionally, the use of advanced technologies such as LiDAR systems, 360-degree vision cameras, Artificial Intelligence, and geographic information systems is creating new growth opportunities.

The introduction of artificial intelligence (AI) software has enhanced the overall performance of unmanned aerial systems in tasks such as photography, mapping, inspection, and more. Drones equipped with AI can now provide real-time data and analytical feedback, significantly improving area mapping and object tracking capabilities. Companies like Folio3 Software Inc. have designed AI software for drones that process data and provide comprehensive reports in a dashboard format. These advancements in AI and drone technology are expected to drive the market further.

The adoption of aerial imagery services has significantly increased in the past few years due to their diverse applications, including the development of topographic maps, surveillance, and photogrammetric surveys. The growing use of surveillance drones for

public, wildlife, and critical infrastructure safety has increased demand for aerial imaging. The demand for aerial imagery in sectors such as oil and gas, construction, and resource management is also a significant growth driver. High-resolution mapping and surveys are essential in various industries, including architecture, solar energy, engineering, and traffic engineering. The increasing adoption of drones for infrastructure inspection, pipeline maintenance, and solar panel monitoring further propels the market growth. Companies like KVS Technologies are entering agreements to offer UAV services for infrastructure inspection, emphasizing the efficiency and precision drones bring to the table. However, the market faces challenges due to the lack of uniformity in regulations for drones and UAVs. Different countries have varying regulations for drone operations, which can hinder the industry's growth. Uniform air traffic management and regulatory frameworks are needed to minimize operational challenges and ensure safe drone operations.

The key regions considered for the Global Aerial Imaging Market study include Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America is a dominating region in the Global Aerial Imaging Market in terms of revenue. The market growth in the region is being attributed to factors including the increasing use of aerial imagery in the U.S. and Canada, the region's flourishing trade, and economy, and the presence of major manufacturers. Whereas, the market in the Asia Pacific is anticipated to grow at the fastest rate over the forecast period fueled by rising opportunities, government expenditures, and the increasing number of imaging applications in countries like India and China. Europe will witness moderate growth due to the demand for aerial imaging in the real estate and infrastructure segments.

Major market players included in this report are:

Nearmap Inc. (U.S.)  
EagleView Technologies Inc. (U.S.)  
Cooper Aerial Surveys Co (U.S.)  
Vexcel Imaging Inc. (U.S.)  
Fugro N.V (Netherlands)  
AgEagle Aerial Systems Inc. (U.S.)  
Dronegenuity Inc. (U.S.)  
Ceres Imaging Inc (U.S.)  
Geovantage Inc (U.S.)  
Dronedeploy Inc. (U.S.)  
Blom ASA  
PrecisionHawk, Inc.  
3D Robotics, Inc.

AeroVironment, Inc.  
TerraDrone Corporation

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

By Camera Orientation:

Oblique

Vertical

By Oblique:

Low Oblique

High Oblique

By End-Use:

Government

Defense

Forestry and Agriculture

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

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.

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