

# Global Aerial Thermal Inspection Systems Market 2026 by Company, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Aerial Thermal Inspection Systems market size was valued at US\$ 2527 million in 2025 and is forecast to a readjusted size of US\$ 6404 million by 2032 with a CAGR of 14.2% during review period.

Aerial Thermal Inspection Systems are advanced inspection solutions that use airborne platforms—such as drones, helicopters, or fixed-wing aircraft—equipped with thermal infrared cameras to detect temperature variations on surfaces and infrastructure. Pricing for aerial thermal inspection systems typically ranges from \$3,000–\$80,000 for drone hardware, \$50,000–\$250,000+ for full enterprise systems, and about \$1,000–\$1,500 per field day or \$25,000+ per large project for inspection services.

This report is a detailed and comprehensive analysis for global Aerial Thermal Inspection Systems market. Both quantitative and qualitative analyses are presented by company, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Aerial Thermal Inspection Systems market size and forecasts, in consumption value (\$ Million), 2021-2032

Global Aerial Thermal Inspection Systems market size and forecasts by region and country, in consumption value (\$ Million), 2021-2032

Global Aerial Thermal Inspection Systems market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2021-2032

Global Aerial Thermal Inspection Systems market shares of main players, in revenue (\$ Million), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Aerial Thermal Inspection Systems

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Aerial Thermal Inspection Systems market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Teledyne FLIR, DJI, Autel Robotics, Lockheed Martin, Northrop Grumman, BAE Systems, Raytheon Technologies (RTX), Thales Group, Leonardo S.p.A., Teledyne Technologies, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market segmentation

Aerial Thermal Inspection Systems market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for Consumption Value by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Thermal Cameras

UAV Platforms

AI Analytics Software

Data Processing Systems

Communication & Control Systems

#### Market segment By Technology

Uncooled Infrared (IR) Cameras

Cooled Thermal Imaging Systems

Radiometric Thermal Sensors

Multi-Spectral / Hybrid Imaging Systems

#### Market segment By Deployment Mode

In-House Inspection Teams

Drone Service Providers (Outsourced)

UAV-as-a-Service (DaaS) Platforms

#### Market segment by Application

Utilities

Energy & Power Companies

Oil & Gas Industry

Construction & Infrastructure Firms

Agriculture Sector

Government & Public Safety Agencies

Market segment by players, this report covers

Teledyne FLIR

DJI

Autel Robotics

Lockheed Martin

Northrop Grumman

BAE Systems

Raytheon Technologies (RTX)

Thales Group

Leonardo S.p.A.

Teledyne Technologies

Ziyan UAV

AeroVironment

Yunee International

Eding Intelligent Technology

Aerobot Avionics Technologies

Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)

South America (Brazil, Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Aerial Thermal Inspection Systems product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Aerial Thermal Inspection Systems, with revenue, gross margin, and global market share of Aerial Thermal Inspection Systems from 2021 to 2026.

Chapter 3, the Aerial Thermal Inspection Systems competitive situation, revenue, and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with consumption value and growth rate by Type, by Application, from 2021 to 2032.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2021 to 2026. and Aerial Thermal Inspection Systems market forecast, by regions, by Type and by Application, with consumption value, from 2027 to 2032.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Aerial Thermal Inspection Systems.

Chapter 13, to describe Aerial Thermal Inspection Systems research findings and

conclusion.

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