

Global Thermal Imaging Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Thermal Imaging market size was valued at USD 6739.8 million in 2023 and is forecast to a readjusted size of USD 10250 million by 2030 with a CAGR of 6.2% during review period.

Thermal imaging is a method of improving visibility of objects in a dark environment by detecting the objects' infrared radiation and creating an image based on that information. Thermal imaging works in environments without any ambient light and can penetrate obscurants such as smoke, fog and haze.

Global key players of thermal imaging include FLIR, Lockheed Martin, Raytheon, etc. The top three players hold a share about 49%. North America is the largest market, has a share about 42%, followed by Asia-Pacific and Europe, with share 31% and 19%, separately.

The Global Info Research report includes an overview of the development of the Thermal Imaging industry chain, the market status of Military (Uncooled Type, Cooled Type), Civil (Uncooled Type, Cooled Type), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Thermal Imaging.

Regionally, the report analyzes the Thermal Imaging markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Thermal Imaging market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Thermal Imaging market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Thermal Imaging industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Uncooled Type, Cooled Type).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Thermal Imaging market.

Regional Analysis: The report involves examining the Thermal Imaging market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Thermal Imaging market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Thermal Imaging:

Company Analysis: Report covers individual Thermal Imaging manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Thermal Imaging This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Military, Civil).

Technology Analysis: Report covers specific technologies relevant to Thermal Imaging.

It assesses the current state, advancements, and potential future developments in Thermal Imaging areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Thermal Imaging market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Thermal Imaging market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Uncooled Type

Cooled Type

Market segment by Application

Military

Civil

Major players covered

FLIR

Lockheed Martin

Raytheon

L3 Technologies

Thales Group

Northrop

BAE

Elbit

DRS

Fluke

Wuhan Guide

Guangzhou SAT

Dali

FJR Opto-electronic Technology

Raytron Technology

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

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

Chapter 2, to profile the top manufacturers of Thermal Imaging, with price, sales, revenue and global market share of Thermal Imaging from 2019 to 2024.

Chapter 3, the Thermal Imaging competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Thermal Imaging breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Thermal Imaging market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Thermal Imaging.

Chapter 14 and 15, to describe Thermal Imaging sales channel, distributors, customers, research findings and conclusion.

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