

# Global Infrared Detector 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 Infrared Detector market size was valued at USD 2271.4 million in 2023 and is forecast to a readjusted size of USD 2929.9 million by 2030 with a CAGR of 3.7% during review period.

An infrared detector is a detector that reacts to infrared radiation. The two main types of detectors are thermal and photonic. The thermal effects of the incident IR radiation can be followed through many temperature dependent phenomena. Bolometers and microbolometers are based on changes in resistance.

Global key players of infrared detector include Teledyne FLIR, Lynred, Wuhan Guide Infrared Co., Ltd., Zhejiang Dali Technology Co.,Ltd., Leonardo DRS, etc. The top five players hold a share about 59%. North America is the largest producer, has a share about 60%, followed by China and Europe, with share 20% and 12%, respectively. The largest market is North America, with a share about 42%, followed by Asia-Pacific and Europe, with share 39% and 17%, separately.

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

Regionally, the report analyzes the Infrared Detector 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 Infrared Detector market, with robust domestic demand, supportive policies, and a strong manufacturing base.

# Key Features:

The report presents comprehensive understanding of the Infrared Detector 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 Infrared Detector 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 Infrared Detector, Cooled Infrared Detector).

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 Infrared Detector market.

Regional Analysis: The report involves examining the Infrared Detector 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 Infrared Detector market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Infrared Detector:

Company Analysis: Report covers individual Infrared Detector 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 Infrared Detector This may involve surveys, interviews, and analysis



of consumer reviews and feedback from different by Application (Civil Use, Military Use).

Technology Analysis: Report covers specific technologies relevant to Infrared Detector. It assesses the current state, advancements, and potential future developments in Infrared Detector areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Infrared Detector 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

Infrared Detector 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 Infrared Detector

Cooled Infrared Detector

Market segment by Application

Civil Use

Military Use

Major players covered

Teledyne FLIR



Lynred

Wuhan Guide Infrared Co., Ltd.

Zhejiang Dali Technology Co.,Ltd.

Leonardo DRS

**BAE Systems** 

Semi Conductor Devices (SCD)

L3Harris Technologies

IRay Technology Co., Ltd.

North GuangWei Technology Inc.

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 Infrared Detector product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Infrared Detector, with price, sales,



revenue and global market share of Infrared Detector from 2019 to 2024.

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

Chapter 4, the Infrared Detector 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 Infrared Detector 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 Infrared Detector.

Chapter 14 and 15, to describe Infrared Detector sales channel, distributors, customers, research findings and conclusion.



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