

Global Infrared Detection Equipment Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

<https://marketpublishers.com/r/GEF4788BF62EN.html>

Date: November 2024

Pages: 115

Price: US\$ 3,480.00 (Single User License)

ID: GEF4788BF62EN

Abstracts

According to our (Global Info Research) latest study, the global Infrared Detection Equipment market size was valued at USD 2537.3 million in 2023 and is forecast to a readjusted size of USD 3101.4 million by 2030 with a CAGR of 2.9% during review period.

An infrared detection equipment is a detector that reacts to infrared (IR) radiation.

The two main types of detectors are thermal and photonic (photodetectors). 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. Thermocouples and thermopiles use the thermoelectric effect. Golay cells follow thermal expansion. In IR spectrometers the pyroelectric detectors are the most widespread.

The Global Info Research report includes an overview of the development of the Infrared Detection Equipment industry chain, the market status of Residential (Mercury cadmium telluride (MCT), Indium gallium arsenide (InGaAs)), Commercial (Mercury cadmium telluride (MCT), Indium gallium arsenide (InGaAs)), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Infrared Detection Equipment.

Regionally, the report analyzes the Infrared Detection Equipment 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 Detection Equipment market, with robust domestic

demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Infrared Detection Equipment 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 Detection Equipment 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 Technology (e.g., Mercury cadmium telluride (MCT), Indium gallium arsenide (InGaAs)).

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 Detection Equipment market.

Regional Analysis: The report involves examining the Infrared Detection Equipment 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 Detection Equipment 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 Detection Equipment:

Company Analysis: Report covers individual Infrared Detection Equipment 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 Detection Equipment This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Residential, Commercial).

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

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Infrared Detection Equipment 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 Detection Equipment market is split by Technology and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Technology, and by Application in terms of volume and value.

Market segment by Technology

Mercury cadmium telluride (MCT)

Indium gallium arsenide (InGaAs)

Pyroelectric

Thermopile

Microbolometer

Market segment by Application

Residential

Commercial

Military

Industrial

Major players covered

Excelitas Technologies

Nippon Ceramic

Hamamatsu Photonic

Murata Manufacturing

Flir Systems

Texas Instruments

Honeywell

Omron

Raytheon

Sofradir

Infra TEC

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 Detection Equipment product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the Infrared Detection Equipment 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 Technology and application, with sales market share and growth rate by technology, 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 Detection Equipment market forecast, by regions, technology 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 Detection Equipment.

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

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