

# Global Infrared Detector Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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## Abstracts

According to our (Global Info Research) latest study, the global Infrared Detector market size was valued at US\$ 2396 million in 2024 and is forecast to a readjusted size of USD 3097 million by 2031 with a CAGR of 3.8% 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.

This report is a detailed and comprehensive analysis for global Infrared Detector market. Both quantitative and qualitative analyses are presented by manufacturers, 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 Infrared Detector market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2020-2031

Global Infrared Detector market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2020-2031

Global Infrared Detector market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2020-2031

Global Infrared Detector market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (USD/Unit), 2020-2025

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 Infrared Detector

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 Infrared Detector market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include 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., etc.

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

Market Segmentation

Infrared Detector market is split by Type and by Application. For the period 2020-2031,

the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

#### 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 quantity, revenue, and global market share of Infrared Detector from 2020 to 2025.

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 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

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 2020 to 2025. and Infrared Detector market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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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