

Global Infrared Detector Market Growth 2025-2031

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Abstracts

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The global Infrared Detector market size is predicted to grow from US\$ 2357 million in 2025 to US\$ 2985 million in 2031; it is expected to grow at a CAGR of 4.0% from 2025 to 2031.

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.

LP Information, Inc. (LPI) ' newest research report, the "Infrared Detector Industry Forecast" looks at past sales and reviews total world Infrared Detector sales in 2024, providing a comprehensive analysis by region and market sector of projected Infrared Detector sales for 2025 through 2031. With Infrared Detector sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Infrared Detector industry.

This Insight Report provides a comprehensive analysis of the global Infrared Detector landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report

also analyzes the strategies of leading global companies with a focus on Infrared Detector portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Infrared Detector market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Infrared Detector and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Infrared Detector.

This report presents a comprehensive overview, market shares, and growth opportunities of Infrared Detector market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Uncooled Infrared Detector

Cooled Infrared Detector

Segmentation by Application:

Civil Use

Military Use

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

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.

Key Questions Addressed in this Report

What is the 10-year outlook for the global Infrared Detector market?

What factors are driving Infrared Detector market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Infrared Detector market opportunities vary by end market size?

How does Infrared Detector break out by Type, by Application?

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