

Global Infrared Detector Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G935E3A34F26EN.html>

Date: January 2026

Pages: 110

Price: US\$ 4,480.00 (Single User License)

ID: G935E3A34F26EN

Abstracts

The global Infrared Detector market size is expected to reach \$ 3205 million by 2032, rising at a market growth of 3.8% CAGR during the forecast period (2026-2032).

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 studies the global Infrared Detector production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Infrared Detector and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Infrared Detector that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Infrared Detector total production and demand, 2021-2032, (K Units)

Global Infrared Detector total production value, 2021-2032, (USD Million)
Global Infrared Detector production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)
Global Infrared Detector consumption by region & country, CAGR, 2021-2032 & (K Units)
U.S. VS China: Infrared Detector domestic production, consumption, key domestic manufacturers and share
Global Infrared Detector production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)
Global Infrared Detector production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)
Global Infrared Detector production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Infrared Detector market based on the following parameters - company overview, production, value, 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.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Infrared Detector market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (USD/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Infrared Detector Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Infrared Detector Market, Segmentation by Type:

Uncooled Infrared Detector

Cooled Infrared Detector

Global Infrared Detector Market, Segmentation by Application:

Civil Use

Military Use

Companies Profiled:

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 Answered:

1. How big is the global Infrared Detector market?
2. What is the demand of the global Infrared Detector market?
3. What is the year over year growth of the global Infrared Detector market?
4. What is the production and production value of the global Infrared Detector market?
5. Who are the key producers in the global Infrared Detector market?
6. What are the growth factors driving the market demand?

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