

# Infrared Detector Market: Trends, Opportunities and Competitive Analysis

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## Abstracts

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### Infrared Detector Market Trends and Forecast

The future of the infrared detector market looks promising with opportunities in consumer electronics, smart homes, industrial, commercial, and military & defense sectors. The global infrared detector market is expected to reach an estimated \$670.3 million by 2027 and is forecast to grow at a CAGR of 6.9% from 2021 to 2027. The major drivers for this market are increased demand for smartphones and tablets, rising concern about safety and security, and increasing automation in the building and industrial sector.

### Emerging Trends in the Infrared Detector Market

Emerging trends, which have a direct impact on the dynamics of the infrared detector industry, include increasing use of infrared detectors in smart homes and increasing use of infrared detectors for night vision and surveillance.

A total of 107 figures / charts and 68 tables are provided in this 205-page report to help in your business decisions. A sample figure with insights is shown below. To learn the scope of benefits, companies researched, and other details of the infrared detector market report, please download the report brochure.

### Infrared Detector Market by Segment

The study includes a forecast for the global infrared detector market by application, wavelength, type, and region as follows:

Infrared Detector Market by Application [Value (\$M) shipment analysis for 2016 – 2027]:

People and Motion Sensing

Temperature Measurement

Industrial

Spectroscopy & Biomedical Imaging

HVAC

Smart Homes

Infrared Detector Market by Wavelength [Value (\$M) shipment analysis for 2016 – 2027]:

Short-Wave Infrared

Medium-Wave Infrared

Long-Wave Infrared

Infrared Detector Market by Type [Value (\$M) shipment analysis for 2016 – 2027]:

Pyroelectric

Thermopile

Microbolometer

InGaAs (Indium Gallium Arsenide)

MCT (Mercury Cadmium Telluride)

Infrared Detector Market by Region [Value (\$M) shipment analysis for 2016 – 2027]:

North America

US

Canada

Mexico

Europe

Germany

The United Kingdom

France

Russia

Asia Pacific

China

Japan

India

South Korea

The Rest of the World

Brazil

Argentina

## List of Infrared Detector Companies

Companies in the market compete on the basis of product quality offered. Major players in this market focus on expanding their manufacturing facilities, R&D investments, infrastructural development, and leverage integration opportunities across the value chain. With these strategies infrared detector companies cater increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the infrared detector companies profiled in this report includes.

Excelitas Technologies

Hamamatsu Photonics

FLIR Systems

Murata

Texas

Omron

## Infrared Detector Market Insight

Lucintel forecasts that people and motion sensing is expected to remain the largest segment due to increasing usage of infrared detectors for people counting and motion detection in the commercial sector.

microbolometer is likely to experience the highest growth in the forecast period supported by increasing demand in smart home.

Smart home is likely to experience the highest growth in the forecast period, supported by increasing demand for consumer convenience, safety and security, and the rising need for energy efficiency.

Asia Pacific is expected to remain the largest region and to witness the highest growth over the forecast period because of an increase in demand of smartphone, tablets, and smart TVs, and growth in industrial and home

automation.

## Features of Infrared Detector Market

**Market Size Estimates:** Infrared detector market size estimation in terms of value (\$B)

**Trend and Forecast Analysis:** Market trends (2016-2021) and forecast (2022-2027) by various segments and regions.

**Segmentation Analysis:** Market size by application, wavelength, and type.

**Regional Analysis:** Infrared detector market breakdown by North America, Europe, Asia Pacific, and the Rest of the World.

**Growth Opportunities:** Analysis of growth opportunities in different application, wavelength, type, and regions for the infrared detector market.

**Strategic Analysis:** This includes M&A, new product development, and competitive landscape for the infrared detector market.

**Analysis of competitive intensity of the industry based on Porter's Five Forces model.**

## FAQ

Q1. What is the infrared detector market size?

Answer: The global infrared detector market is expected to reach an estimated \$670.3 million by 2027

Q2. What is the growth forecast for infrared detector market?

Answer: The infrared detector market is expected to grow at a CAGR of 6.9% from 2021 to 2027.

Q3. What are the major drivers influencing the growth of the infrared detector market?

Answer: The major drivers of growth for this market are increased demand for smartphones and tablets, rising concern about safety and security, and increasing automation in the building and industrial sector.

Q4. What are the major applications or end use industries for infrared detector?

Answer: People and motion sensing and smart home are the major applications for infrared detector.

Q5. What are the emerging trends in infrared detector market?

Answer: Emerging trends, which have a direct impact on the dynamics of the infrared detector industry, include increasing use of infrared detectors in smart homes and increasing use of infrared detectors for night vision and surveillance.

Q6. Who are the key infrared detector companies?

Answer: Some of the key infrared detector companies are as follows:

Excelitas Technologies

Hamamatsu Photonics

FLIR Systems

Murata

Texas

Omron

Q7. Which infrared detector product segment will be the largest in future?

Answer: Lucintel predicts that the demand for smart home is likely to experience the highest growth in the forecast period, supported by increasing demand for consumer convenience, safety and security, and the rising need for energy efficiency.

Q8: In infrared detector market, which region is expected to be the largest in next 5 years?

Answer: Asia Pacific is expected to remain the largest region and witness the highest growth over next 5 years

Q9. Do we receive customization in this report?

Answer: Yes, Lucintel provides 10% Customization Without any Additional Cost.

This report answers following 11 key questions

Q.1 What are some of the most promising potential, high growth opportunities for the global infrared detector market by end use industry (people and motion sensing, temperature measurement, industrial, spectroscopy and biomedical imaging, HVAC, smart home, and others), type (pyroelectric, thermopile, microbolometer, InGaAs, MCT, and others), wavelength (short-wave, medium-wave, and long-wave), and region (North America, Europe, Asia Pacific, and the Rest of the World)?

Q. 2 Which segments will grow at a faster pace and why?

Q.3 Which regions will grow at a faster pace and why?

Q.4 What are the key factors affecting market dynamics? What are the drivers and challenges of the market?

Q.5 What are the business risks and threats to the market?

Q.6 What are the emerging trends in this market and the reasons behind them?

Q.7 What are the changing demands of customers in the market?

Q.8 What are the new developments in the market? Which companies are leading these developments?

Q.9 Who are the major players in this market? What strategic initiatives are being implemented by key players for business growth?

Q.10 What are some of the competitive products and processes in this area and how

big of a threat do they pose for loss of market share via material or product substitution?

Q.11 What M & A activities have taken place in the last 5 years in this market?

For any questions related to infrared detector market or related to infrared detector companies, infrared detector market share, infrared detector market analysis, infrared detector market size, write Lucintel analyst at email: [helpdesk@lucintel.com](mailto:helpdesk@lucintel.com). We will be glad to get back to you soon.



## Contents

Table of Contents

### **1. EXECUTIVE SUMMARY**

### **2. GLOBAL INFRARED DETECTOR MARKET DYNAMICS**

2.1: Introduction, Background, and Classifications

2.2: Supply Chain

2.3: Industry Drivers and Challenges

### **3. MARKET TRENDS AND FORECAST ANALYSIS FROM 2016 TO 2027**

3.1: Macroeconomic Trends and Forecasts

3.2: Global Infrared Detector Market Trends and Forecast

3.3: Global Infrared Detector Market by application

3.3.1: People and Motion Sensing

3.3.2: Temperature Measurement

3.3.3: Industrial

3.3.4: Spectroscopy & Biomedical Imaging

3.3.5: HVAC

3.3.6: Smart Homes

3.4: Global Infrared Detector Market by Wavelength

3.4.1: Short-Wave Infrared

3.4.2: Medium-Wave Infrared

3.4.3: Long-Wave Infrared

3.5: Global Infrared Detector Market by Type

3.5.1: Pyroelectric

3.5.2: Thermopile

3.5.3: Microbolometer

3.5.4: InGaAs (Indium Gallium Arsenide)

3.5.5: MCT (Mercury Cadmium Telluride)

### **4. MARKET TRENDS AND FORECAST ANALYSIS BY REGION**

4.1: Global Infrared Detector Market by Region

4.2: North American Infrared Detector Market

4.3: European Infrared Detector Market

4.4: APAC Infrared Detector Market

4.5: ROW Infrared Detector Market

## **5. COMPETITOR ANALYSIS**

5.1: Product Portfolio Analysis

5.2: Geographical Reach

5.3: Porter's Five Forces Analysis

## **6. GROWTH OPPORTUNITIES AND STRATEGIC ANALYSIS**

6.1: Growth Opportunities Analysis

6.1.1: Growth Opportunities for the Global Infrared Detector Market by Type

6.1.2: Growth Opportunities for the Global Infrared Detector Market by Application

6.1.3: Growth Opportunities for the Global HVAC Insulation Market by Region

6.2: Emerging Trends in the Global HVAC Insulation Market

6.3: Strategic Analysis

6.3.1: New Product Development

6.3.2: Mergers, Acquisitions, Joint Ventures and Strategic Collaboration in the Global Infrared Detector Market

## **7. COMPANY PROFILES OF LEADING PLAYERS**

7.1: Excelitas Technologies Corp.

7.2: Hamamatsu Photonics KK.

7.3: FLIR Systems Inc.

7.4: Murata Manufacturing Co., Ltd.

7.5: Texas Instruments Inc.

7.6: Omron Corporation?

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