

# Growth Opportunities in the Global Infrared Detector Market, December 2016

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## Abstracts

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 \$422.6 million by 2021 and is forecast to grow at a CAGR of 8.7% from 2016 to 2021. 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.

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

A total of 49 figures / charts and 47 tables are provided in this 160-page report to help in your business decisions. Sample figures with some insights are shown below. To learn the scope of, benefits, companies researched and other details of this report, download the report brochure.

By end use industry [Volume (Million Units) and \$M shipment analysis from 2010 to 2021]: People and Motion Sensing Temperature Measurement Spectroscopy and Biomedical Imaging HVAC Smart Home Others

By detector type [\$M shipment analysis from 2010 to 2021]

Pyroelectric Thermopile Microbolometer InGaAs (Indium Gallium Arsenide) MCT (Mercury Cadmium Telluride) Others

By Wavelength [\$M shipment analysis from 2010 to 2021]: Short-Wave Medium-Wave Long-Wave

By region [\$M shipment analysis from 2010 to 2021]: North America Europe Asia Pacific Rest of World

Excelitas Technologies Corporation, Hamamatsu Photonics, FLIR Systems Inc., Murata Manufacturing Co. Ltd., and Texas Instruments Inc. are among the major infrared detector suppliers.

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

Within the infrared detector market, 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. 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.

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.

This report answers following 11 key questions:

Q.1 What are some of the most promising potential, high-growth opportunities for 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 reasons behind them?

Q.7 What are some 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 / product substitution?

Q.11 What M&A activities have occurred in the last 5 years?

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