

Infrared Sensor Market (By Working Mechanism: Passive IR Sensor and Active IR Sensor; By Detection Type: Uncooled IR Sensor and Cooled IR Sensor; By Functionality Type: Thermal Infrared Sensor and Quantum Infrared Sensor; By End-User Type: Consumer Electronics, Chemicals, Aerospace & Defense, Oil & Gas, Mining, Pharmaceuticals and Others; By Geography: North America, Europe, Asia-Pacific and RoW) Global Scenario, Market Size, Outlook, Trend and Forecast, 2015-2024

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Abstracts

Global Infrared Sensor Market is forecasted to reach \$692 million by 2024; growing at a CAGR of 11.7% from 2016 to 2024. Infrared sensor is an electronic device which uses light sensor to detect certain aspects from its surroundings by either transmitting or detecting infrared radiations. They are widely used in a range of applications and new applications are continuously emerging. For instance, in October 2016, Tiffen has introduced its exclusive line of IR ND and IR 85ND series filters, using Tiffen's exclusive ColorCore filter technology. Infrared sensors are now highly used in the field of agriculture, medicine, science, communications, remote sensing from space and among others. Infrared sensors can be classified into thermal and quantum. Photo sensitivity, wavelength region, response speed, active area, and among others are the factors those have to be checked before selecting an infrared detector for further use in any application.

Increasing use of infrared sensors in military as well as civil applications are the factors

fuelling the growth of the infrared sensor market. Moreover, rising disposable income, ever increasing demand for smartphones & tablets and increasing popularity of computerization in residential and industrial sector also support the growth of the market. However, high cost in manufacturing and strict rules and regulations by government may limit the growth of the market. Furthermore, consumer electronics, healthcare and defence sector would provide growth opportunity in the upcoming years.

The infrared sensor market has been segmented based on the detection, working mechanism, functionality, end-user and geography. By detection, it is segmented into cooled IR sensor and uncooled IR sensor. By working mechanism, it is further segmented into active IR sensor and passive IR sensor. Furthermore, functionality is segmented into quantum infrared sensor and thermal infrared sensor. End-users can be segmented into chemicals, pharmaceuticals, consumer electronics, oil & gas, aerospace & defence, mining, and others.

By geography the market is categorized into North America, Europe, Asia-Pacific and rest of the world (RoW). The U.S., Canada and Mexico are covered under North America wherein Europe covers U.K., Germany, France, Italy and others. Asia-Pacific covers China, Japan, India and others. Rest of the world (RoW) covers South America, Middle East and Africa.

Key market players include Honeywell International Inc., Murata Manufacturing Co., Ltd, Hamamatsu Photonics, Texas Instruments Inc., Nippon Avionics, Raytheon Company, Excelitas Technologies Corp., Nippon Ceramic Co. Ltd, Sofradir and Monron Corporation, among others.

The key takeaways from the report

The report will provide detailed analysis of Infrared Sensor Market with respect to major segments such as detection, working mechanism, functionality and end-user

The report will include the qualitative and quantitative analysis with market estimation over 2015-2024 and compound annual growth rate (CAGR) between 2016 and 2024

Comprehensive analysis of market dynamics including factors and opportunities is included in the report

An exhaustive regional analysis of Infrared Sensor Market will be provided in the report

Profile of the key players in the Infrared Sensor Market will be provided, which include key financials, product & services, new developments and business strategies

Scope of Infrared Sensor Market

Detection Segments

Cooled IR Sensor

Uncooled IR Sensor

Working Mechanism Segments

Active IR Sensor

Passive IR Sensor

Functionality Segments

Quantum Infrared Sensor

Thermal Infrared Sensor

End-User Segments

Chemicals

Pharmaceuticals

Consumer Electronics

Oil & Gas

Aerospace & Defence

Mining

Others

Geography Segments

North America

US

Canada

Mexico

Europe

U.K.

Germany

France

Italy

Others

Asia-Pacific

China

Japan

India

Others

RoW

South America

Middle East

Africa

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