

# Global Infrared Detectors Market (2016 - 2022)

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## Abstracts

Infrared detectors are widely in use to detect infrared radiation and motion and to measure heat. Infrared detectors are integrated into various devices such as in surveillance, automobiles, testing, detection, and measurement. These detectors convert infrared radiation into electrical signals and are among the most significant group of sensors in defense applications. These detectors also play a pivotal role in applications such as medical, automotive, industrial, security, and consumer electronics. Factors such as rapidly growing industrial sector, government investment, and economic incentives for defense sector have significantly contributed to the growth of the global infrared detector market. The infrared based detectors are very effective as compared to other detectors due to compact size and ability to detect infrared light from a far of distance. However, high installation cost and limited accuracy in certain conditions would be factors that would limit the market growth. Breakthroughs in infrared detector technology and price corrections due to the same would be favorable factors for the market participants. The growth of the infrared detector market is propelled by factors such as increasing awareness of IR detectors in manufacturing and industrial applications, uncooled infrared technology, and widespread adoption of IR detectors in various applications.

Based on the type, the Infrared Detector market is segmented into Pyroelectric, Mercury Cadmium Telluride, Indium Gallium Arsenide, Microbolometer and Others. Based on technology, the market is segmented into Cooled IR Detector and Uncooled IR Detector. Based on wavelength, the market is segmented into Short Range, Medium Range and Long Range. The Applications highlighted in this report People & Motion Sensing, Temperature Measurement, Industrial, Spectroscopy & Biomedical Imaging, Military & Defense, Automotive and Others.

Based on region, Infrared Detectors market is segmented into North America (US, Canada, Mexico and Rest of North America), Europe (Germany, UK, France, Russia,

Spain, Italy and Rest of Europe), Asia-Pacific (China, Japan, India, South Korea, Singapore, Malaysia and Rest of Asia-Pacific) and Latin America, and Middle East & Africa. North America remained the dominant region in the global Infrared Detectors market in 2015. Asia-Pacific would witness promising CAGR during the forecast period (2016-2022).

The report covers the analysis of key stake holders of the Infrared Detectors market. Key companies profiled in the report include Honeywell International, Inc., BAE Systems, Flir Systems, Inc., Texas Instruments Incorporated, Raytheon Company, Excelitas Technologies Corp., Nippon Ceramic Co., Ltd. and Hamamatsu Photonics K.K.

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