Infrared Detector Market by Type, Technology, Wavelength, Application, and Geography - Global Forecast to 2020

Description: "Infrared Detector Market by Type (MCT, INGAAS, Pyroelectric, Thermopile Microbolometer and Others), Technology (Cooled Infrared, and Uncooled Infrared), Wavelength (Short, Medium, and Long Infrared), Application, and Geography - Global Forecast to 2020"

The base year used for this study is 2014 and the forecast period is between 2015 and 2020. This report provides a detailed analysis of the infrared detectors market on the basis of type, technology, wavelength, application, and geography. The pyroelectric type is expected to hold a large share of the infrared detector market. However, the market for thermophile detectors is expected to grow at the highest CAGR between 2015 and 2020. The growth of the infrared detectors market is propelled by factors such as increasing awareness of IR detectors in manufacturing and industrial applications, uncooled infrared technology, and wide acceptance of IR detectors in different applications.

The research methodology used to estimate and forecast the infrared detector market begins with capturing data on key vendor revenues through secondary research. The vendor offerings are also taken into consideration to determine the market segmentation. The bottom-up procedure has been employed to arrive at the overall market size of the global infrared detector market from the revenue of the key players in the market. After arriving at the overall market size, the total market has been split into several segments and subsegments which are then verified through primary research by conducting extensive interviews with CEOs, VPs, directors, and executives. The data triangulation and market breakdown procedures were employed to complete the overall market engineering process and arrive at the exact statistics for all segments and subsegments.

The infrared detector ecosystem includes component IR material providers, technology providers, original design manufacturers, distributors, and end users as important elements.

The study answers several questions for the target audiences, primarily which market segments to focus on in the next two to five years for prioritizing the efforts and investments.

Target audience:
- Infrared detector designers, manufacturers, and suppliers
- Technology providers
- Research organizations and consulting companies
- Government bodies such as regulating authorities and policy makers
- Related associations, organizations, forums, and alliances
- Investors
- Key players

Report Scope:

In this report, the infrared detectors market has been segmented into the following categories:

- Market, by Type: mercury cadmium telluride (MCT), indium gallium arsenide (InGaAs), pyroelectric, thermopile, microbolometer, and others (PbS & PbSe)
- Market, by Technology: cooled and uncooled infrared detector
- Market, by Wavelength: short-wave, medium-wave and long-wave infrared
- Market, by Application: people and motion sensing, temperature measurement, industrial, spectroscopy & biomedical imaging, military and defense, automotive, smart home, and others.
- Market, by Geography: Americas (subsegmented into North and South America), Europe (sub-segmented into Germany, the U.K., France, Italy, and Others), Asia-Pacific (subsegmented into China, Japan, Taiwan, and Others), and Rest of the World (subsegmented into the Middle East and Africa)
- Competitive Landscape: Market ranking analysis
- Company Profiles: Detailed analysis of the major companies present in the infrared detectors market
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13.8 Omron Corporation.
13.9 Raytheon Company
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*Details on Marketsandmarkets View, Overview, Products & Services, Financials and Strategy & Analyst Insights Might Not Be Captured in Case of Unlisted Companies.

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