

# Global Thermopile Microbolometer Infrared Detector Market Research Report 2022 Professional Edition

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## Abstracts

The global Thermopile Microbolometer Infrared Detector market was valued at 19.44 Million USD in 2021 and will grow with a CAGR of 9.04% from 2021 to 2027, based on HNY Research newly published report.

The prime objective of this report is to provide the insights on the post COVID-19 impact which will help market players in this field evaluate their business approaches. Also, this report covers market segmentation by major market vendors, types, applications/end users and geography(North America, East Asia, Europe, South Asia, Southeast Asia, Middle East, Africa, Oceania, South America).

Thermopile Microbolometer Infrared Detector belongs to uncooled thermal detector. It includes 3 types of product:Microbolometer IR Detector (MIRD) that change in resistance, which mainly use the technology of VOx and a-Si; Thermopile IR Detector (TIRD) that change in electromotive force; Pyroelectric IR Detectors (PIRD) that change in dielectric surface charge. Flir Systems, Sofradir and DRS are the key players and accounted for 28.88%, 18.95% and 15.41% respectively of the overall Thermopile Microbolometer Infrared Detector market share in 2016. Global giant market mainly distributed in North America, with 54.6% share in 2016. It has unshakable status in this field. The applications of this market are mainly military and defense, automotive, smart home, medicine and other industry, military and defense and automotive together take a share of 53.6% of global market in 2016. This market players` key products are Microbolometer IR Detector, MIRD takes a market share of about 90.55% in sales, and 80.8% in revenue in 2016. But the other two types, Thermopile IR Detector and Pyroelectric IR Detector will mark a more large market in the next few years. The Thermopile IR Detector will mark a CAGR of 17.2% from 2016 to 2017, faster than the global market of 14.2%. For the consumption market, the market are located in

developed countries and regions, e.g. North America and Europe, which market share are 44.2% and 29.8% in 2016, about 3/4 in the global market.

By Market Verdors:

Excelitas Technologies

Nippon Ceramic

Hamamatsu Photonic

Murata Manufacturing

Flir Systems

Texas Instruments

Sofradir

Infra TEC GmbH

DRS

Zhejiang Dali

IRay Technology

North GuangWei

By Types:

Microbolometer IR Detector

Thermopile IR Detector

Pyroelectric IR Detector

By Applications:

Military and Defense

Automotive

Smart Home

Medicine

Key Indicators Analysed

**Market Players & Competitor Analysis:** The report covers the key players of the industry including Company Profile, Product Specifications, Production Capacity/Sales, Revenue, Price and Gross Margin 2016-2027 & Sales with a thorough analysis of the market's competitive landscape and detailed information on vendors and comprehensive details of factors that will challenge the growth of major market vendors.

**Global and Regional Market Analysis:** The report includes Global & Regional market status and outlook 2016-2027. Further the report provides break down details about each region & countries covered in the report. Identifying its sales, sales volume & revenue forecast. With detailed analysis by types and applications.

**Market Trends:** Market key trends which include Increased Competition and Continuous Innovations.

**Opportunities and Drivers:** Identifying the Growing Demands and New Technology

**Porters Five Force Analysis:** The report provides with the state of competition in industry depending on five basic forces: threat of new entrants, bargaining power of suppliers, bargaining power of buyers, threat of substitute products or services, and existing industry rivalry.

Key Reasons to Purchase

To gain insightful analyses of the market and have comprehensive understanding of the global market and its commercial landscape.

Assess the production processes, major issues, and solutions to mitigate the development risk.

To understand the most affecting driving and restraining forces in the market and its impact in the global market.

Learn about the market strategies that are being adopted by leading respective organizations.

To understand the future outlook and prospects for the market.

Besides the standard structure reports, we also provide custom research according to specific requirements

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Military and Defense Case Studies

Automotive Case Studies

Smart Home Case Studies

Medicine Case Studies

Thermopile Microbolometer Infrared Detector Report Years Considered

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