

# **Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Thermopile Microbolometer Infrared Detector Market 2018, Forecast to 2023**

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## **Abstracts**

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.

## **SCOPE OF THE REPORT:**

This report focuses on the Thermopile Microbolometer Infrared Detector in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application.

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.

The worldwide market for Thermopile Microbolometer Infrared Detector is expected to grow at a CAGR of roughly 9.5% over the next five years, will reach 3280 million US\$ in 2023, from 1900 million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

Excelitas Technologies

Nippon Ceramic

Hamamatsu Photonic

Murata Manufacturing

Flir Systems

Texas Instruments

Sofradir

Infra TEC GmbH

DRS

Zhejiang Dali

IRay Technology

North GuangWei

Market Segment by Regions, regional analysis covers

*Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Thermopile Microbolometer...*

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Microbolometer IR Detector

Thermopile IR Detector

Pyroelectric IR Detector

Market Segment by Applications, can be divided into

Military and Defense

Automotive

Smart Home

Medicine

Other

There are 15 Chapters to deeply display the global Thermopile Microbolometer Infrared Detector market.

Chapter 1, to describe Thermopile Microbolometer Infrared Detector Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Thermopile Microbolometer Infrared Detector, with sales, revenue, and price of Thermopile Microbolometer Infrared Detector, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of Thermopile Microbolometer Infrared Detector, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Thermopile Microbolometer Infrared Detector market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Thermopile Microbolometer Infrared Detector sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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