

2018-2023 Global Thermopile Microbolometer Infrared Detector Consumption Market Report

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Abstracts

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In this report, LP Information covers the present scenario (with the base year being 2017) and the growth prospects of global Thermopile Microbolometer Infrared Detector market for 2018-2023.

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.

Over the next five years, LPI(LP Information) projects that Thermopile Microbolometer Infrared Detector will register a 9.5% CAGR in terms of revenue, reach US\$ 3280 million by 2023, from US\$ 1900 million in 2017.

This report presents a comprehensive overview, market shares, and growth opportunities of Thermopile Microbolometer Infrared Detector market by product type, application, key manufacturers and key regions.

To calculate the market size, LP Information considers value and volume generated from the sales of the following segments:

Segmentation by product type:

Microbolometer IR Detector

Thermopile IR Detector

Pyroelectric IR Detector

Segmentation by application:

Military and Defense

Automotive

Smart Home

Medicine

Other

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Spain

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The report also presents the market competition landscape and a corresponding detailed analysis of the major vendor/manufacturers in the market. The key manufacturers covered in this report:

Excelitas Technologies

Nippon Ceramic

Hamamatsu Photonic

Murata Manufacturing

Flir Systems

Texas Instruments

Sofradir

Infra TEC GmbH

DRS

Zhejiang Dali

IRay Technology

North GuangWei

In addition, this report discusses the key drivers influencing market growth,

opportunities, the challenges and the risks faced by key manufacturers and the market as a whole. It also analyzes key emerging trends and their impact on present and future development.

Research objectives

To study and analyze the global Thermopile Microbolometer Infrared Detector consumption (value & volume) by key regions/countries, product type and application, history data from 2013 to 2017, and forecast to 2023.

To understand the structure of Thermopile Microbolometer Infrared Detector market by identifying its various subsegments.

Focuses on the key global Thermopile Microbolometer Infrared Detector manufacturers, to define, describe and analyze the sales volume, value, market share, market competition landscape, SWOT analysis and development plans in next few years.

To analyze the Thermopile Microbolometer Infrared Detector with respect to individual growth trends, future prospects, and their contribution to the total market.

To share detailed information about the key factors influencing the growth of the market (growth potential, opportunities, drivers, industry-specific challenges and risks).

To project the consumption of Thermopile Microbolometer Infrared Detector submarkets, with respect to key regions (along with their respective key countries).

To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

To strategically profile the key players and comprehensively analyze their growth strategies.

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