

# **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

## Contents

### 1 MARKET OVERVIEW

#### 1.1 Thermopile Microbolometer Infrared Detector Introduction

#### 1.2 Market Analysis by Type

##### 1.2.1 Microbolometer IR Detector

##### 1.2.2 Thermopile IR Detector

##### 1.2.3 Pyroelectric IR Detector

#### 1.3 Market Analysis by Applications

##### 1.3.1 Military and Defense

##### 1.3.2 Automotive

##### 1.3.3 Smart Home

##### 1.3.4 Medicine

##### 1.3.5 Other

#### 1.4 Market Analysis by Regions

##### 1.4.1 North America (United States, Canada and Mexico)

###### 1.4.1.1 United States Market States and Outlook (2013-2023)

###### 1.4.1.2 Canada Market States and Outlook (2013-2023)

###### 1.4.1.3 Mexico Market States and Outlook (2013-2023)

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

###### 1.4.2.1 Germany Market States and Outlook (2013-2023)

###### 1.4.2.2 France Market States and Outlook (2013-2023)

###### 1.4.2.3 UK Market States and Outlook (2013-2023)

###### 1.4.2.4 Russia Market States and Outlook (2013-2023)

###### 1.4.2.5 Italy Market States and Outlook (2013-2023)

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

###### 1.4.3.1 China Market States and Outlook (2013-2023)

###### 1.4.3.2 Japan Market States and Outlook (2013-2023)

###### 1.4.3.3 Korea Market States and Outlook (2013-2023)

###### 1.4.3.4 India Market States and Outlook (2013-2023)

###### 1.4.3.5 Southeast Asia Market States and Outlook (2013-2023)

##### 1.4.4 South America, Middle East and Africa

###### 1.4.4.1 Brazil Market States and Outlook (2013-2023)

###### 1.4.4.2 Egypt Market States and Outlook (2013-2023)

###### 1.4.4.3 Saudi Arabia Market States and Outlook (2013-2023)

###### 1.4.4.4 South Africa Market States and Outlook (2013-2023)

###### 1.4.4.5 Nigeria Market States and Outlook (2013-2023)

#### 1.5 Market Dynamics

- 1.5.1 Market Opportunities
- 1.5.2 Market Risk
- 1.5.3 Market Driving Force

## **2 MANUFACTURERS PROFILES**

### **2.1 Excelitas Technologies**

#### **2.1.1 Business Overview**

##### **2.1.1.1 Excelitas Technologies Description**

##### **2.1.1.2 Excelitas Technologies Headquarter, Main Business and Finance Overview**

#### **2.1.2 Excelitas Technologies Thermopile Microbolometer Infrared Detector Product Introduction**

##### **2.1.2.1 Thermopile Microbolometer Infrared Detector Production Bases, Sales Regions and Major Competitors**

##### **2.1.2.2 Thermopile Microbolometer Infrared Detector Product Information**

#### **2.1.3 Excelitas Technologies Thermopile Microbolometer Infrared Detector Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)**

##### **2.1.3.1 Excelitas Technologies Thermopile Microbolometer Infrared Detector Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)**

##### **2.1.3.2 Global Excelitas Technologies Thermopile Microbolometer Infrared Detector Market Share in 2017**

### **2.2 Nippon Ceramic**

#### **2.2.1 Business Overview**

##### **2.2.1.1 Nippon Ceramic Description**

##### **2.2.1.2 Nippon Ceramic Headquarter, Main Business and Finance Overview**

#### **2.2.2 Nippon Ceramic Thermopile Microbolometer Infrared Detector Product Introduction**

##### **2.2.2.1 Thermopile Microbolometer Infrared Detector Production Bases, Sales Regions and Major Competitors**

##### **2.2.2.2 Thermopile Microbolometer Infrared Detector Product Information**

#### **2.2.3 Nippon Ceramic Thermopile Microbolometer Infrared Detector Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)**

##### **2.2.3.1 Nippon Ceramic Thermopile Microbolometer Infrared Detector Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)**

##### **2.2.3.2 Global Nippon Ceramic Thermopile Microbolometer Infrared Detector Market Share in 2017**

### **2.3 Hamamatsu Photonic**

#### **2.3.1 Business Overview**

##### **2.3.1.1 Hamamatsu Photonic Description**

- 2.3.1.2 Hamamatsu Photonic Headquarter, Main Business and Finance Overview
- 2.3.2 Hamamatsu Photonic Thermopile Microbolometer Infrared Detector Product Introduction
  - 2.3.2.1 Thermopile Microbolometer Infrared Detector Production Bases, Sales Regions and Major Competitors
  - 2.3.2.2 Thermopile Microbolometer Infrared Detector Product Information
- 2.3.3 Hamamatsu Photonic Thermopile Microbolometer Infrared Detector Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
  - 2.3.3.1 Hamamatsu Photonic Thermopile Microbolometer Infrared Detector Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
  - 2.3.3.2 Global Hamamatsu Photonic Thermopile Microbolometer Infrared Detector Market Share in 2017
- 2.4 Murata Manufacturing
  - 2.4.1 Business Overview
    - 2.4.1.1 Murata Manufacturing Description
    - 2.4.1.2 Murata Manufacturing Headquarter, Main Business and Finance Overview
  - 2.4.2 Murata Manufacturing Thermopile Microbolometer Infrared Detector Product Introduction
    - 2.4.2.1 Thermopile Microbolometer Infrared Detector Production Bases, Sales Regions and Major Competitors
    - 2.4.2.2 Thermopile Microbolometer Infrared Detector Product Information
  - 2.4.3 Murata Manufacturing Thermopile Microbolometer Infrared Detector Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
    - 2.4.3.1 Murata Manufacturing Thermopile Microbolometer Infrared Detector Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
    - 2.4.3.2 Global Murata Manufacturing Thermopile Microbolometer Infrared Detector Market Share in 2017
- 2.5 Flir Systems
  - 2.5.1 Business Overview
    - 2.5.1.1 Flir Systems Description
    - 2.5.1.2 Flir Systems Headquarter, Main Business and Finance Overview
  - 2.5.2 Flir Systems Thermopile Microbolometer Infrared Detector Product Introduction
    - 2.5.2.1 Thermopile Microbolometer Infrared Detector Production Bases, Sales Regions and Major Competitors
    - 2.5.2.2 Thermopile Microbolometer Infrared Detector Product Information
  - 2.5.3 Flir Systems Thermopile Microbolometer Infrared Detector Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
    - 2.5.3.1 Flir Systems Thermopile Microbolometer Infrared Detector Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)



### 2.5.3.2 Global Flir Systems Thermopile Microbolometer Infrared Detector Market Share in 2017

## 2.6 Texas Instruments

### 2.6.1 Business Overview

#### 2.6.1.1 Texas Instruments Description

#### 2.6.1.2 Texas Instruments Headquarter, Main Business and Finance Overview

### 2.6.2 Texas Instruments Thermopile Microbolometer Infrared Detector Product Introduction

#### 2.6.2.1 Thermopile Microbolometer Infrared Detector Production Bases, Sales Regions and Major Competitors

#### 2.6.2.2 Thermopile Microbolometer Infrared Detector Product Information

### 2.6.3 Texas Instruments Thermopile Microbolometer Infrared Detector Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

#### 2.6.3.1 Texas Instruments Thermopile Microbolometer Infrared Detector Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

#### 2.6.3.2 Global Texas Instruments Thermopile Microbolometer Infrared Detector Market Share in 2017

## 2.7 Sofradir

### 2.7.1 Business Overview

#### 2.7.1.1 Sofradir Description

#### 2.7.1.2 Sofradir Headquarter, Main Business and Finance Overview

### 2.7.2 Sofradir Thermopile Microbolometer Infrared Detector Product Introduction

#### 2.7.2.1 Thermopile Microbolometer Infrared Detector Production Bases, Sales Regions and Major Competitors

#### 2.7.2.2 Thermopile Microbolometer Infrared Detector Product Information

### 2.7.3 Sofradir Thermopile Microbolometer Infrared Detector Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

#### 2.7.3.1 Sofradir Thermopile Microbolometer Infrared Detector Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

#### 2.7.3.2 Global Sofradir Thermopile Microbolometer Infrared Detector Market Share in 2017

## 2.8 Infra TEC GmbH

### 2.8.1 Business Overview

#### 2.8.1.1 Infra TEC GmbH Description

#### 2.8.1.2 Infra TEC GmbH Headquarter, Main Business and Finance Overview

### 2.8.2 Infra TEC GmbH Thermopile Microbolometer Infrared Detector Product Introduction

#### 2.8.2.1 Thermopile Microbolometer Infrared Detector Production Bases, Sales Regions and Major Competitors



#### 2.8.2.2 Thermopile Microbolometer Infrared Detector Product Information

#### 2.8.3 Infra TEC GmbH Thermopile Microbolometer Infrared Detector Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

##### 2.8.3.1 Infra TEC GmbH Thermopile Microbolometer Infrared Detector Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

##### 2.8.3.2 Global Infra TEC GmbH Thermopile Microbolometer Infrared Detector Market Share in 2017

### 2.9 DRS

#### 2.9.1 Business Overview

##### 2.9.1.1 DRS Description

##### 2.9.1.2 DRS Headquarter, Main Business and Finance Overview

#### 2.9.2 DRS Thermopile Microbolometer Infrared Detector Product Introduction

##### 2.9.2.1 Thermopile Microbolometer Infrared Detector Production Bases, Sales Regions and Major Competitors

##### 2.9.2.2 Thermopile Microbolometer Infrared Detector Product Information

#### 2.9.3 DRS Thermopile Microbolometer Infrared Detector Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

##### 2.9.3.1 DRS Thermopile Microbolometer Infrared Detector Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

##### 2.9.3.2 Global DRS Thermopile Microbolometer Infrared Detector Market Share in 2017

### 2.10 Zhejiang Dali

#### 2.10.1 Business Overview

##### 2.10.1.1 Zhejiang Dali Description

##### 2.10.1.2 Zhejiang Dali Headquarter, Main Business and Finance Overview

#### 2.10.2 Zhejiang Dali Thermopile Microbolometer Infrared Detector Product Introduction

##### 2.10.2.1 Thermopile Microbolometer Infrared Detector Production Bases, Sales Regions and Major Competitors

##### 2.10.2.2 Thermopile Microbolometer Infrared Detector Product Information

#### 2.10.3 Zhejiang Dali Thermopile Microbolometer Infrared Detector Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

##### 2.10.3.1 Zhejiang Dali Thermopile Microbolometer Infrared Detector Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

##### 2.10.3.2 Global Zhejiang Dali Thermopile Microbolometer Infrared Detector Market Share in 2017

### 2.11 IRay Technology

#### 2.11.1 Business Overview

##### 2.11.2 IRay Technology Thermopile Microbolometer Infrared Detector Product Introduction

2.11.3 IRay Technology Thermopile Microbolometer Infrared Detector Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.12 North GuangWei

2.12.1 Business Overview

2.12.2 North GuangWei Thermopile Microbolometer Infrared Detector Product Introduction

2.12.3 North GuangWei Thermopile Microbolometer Infrared Detector Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

### **3 GLOBAL THERMOPILE MICROBOLOMETER INFRARED DETECTOR MARKET COMPETITION, BY MANUFACTURER**

3.1 Global Thermopile Microbolometer Infrared Detector Sales and Market Share by Manufacturer (2016-2017)

3.2 Global Thermopile Microbolometer Infrared Detector Revenue and Market Share by Manufacturer (2016-2017)

3.3 Global Thermopile Microbolometer Infrared Detector Price by Manufacturer (2016-2017)

3.4 Market Concentration Rate

3.4.1 Top 3 Thermopile Microbolometer Infrared Detector Manufacturer Market Share in 2017

3.4.2 Top 5 Thermopile Microbolometer Infrared Detector Manufacturer Market Share in 2017

3.5 Market Competition Trend

### **4 GLOBAL THERMOPILE MICROBOLOMETER INFRARED DETECTOR MARKET ANALYSIS BY REGIONS**

4.1 Global Thermopile Microbolometer Infrared Detector Sales, Revenue and Market Share by Regions

4.1.1 Global Thermopile Microbolometer Infrared Detector Sales by Regions (2013-2018)

4.1.2 Global Thermopile Microbolometer Infrared Detector Revenue by Regions (2013-2018)

4.2 North America Thermopile Microbolometer Infrared Detector Sales, Revenue and Growth Rate (2013-2018)

4.3 Europe Thermopile Microbolometer Infrared Detector Sales, Revenue and Growth Rate (2013-2018)

4.4 Asia-Pacific Thermopile Microbolometer Infrared Detector Sales, Revenue and

Growth Rate (2013-2018)

4.5 South America Thermopile Microbolometer Infrared Detector Sales, Revenue and Growth Rate (2013-2018)

4.6 Middle East and Africa Thermopile Microbolometer Infrared Detector Sales, Revenue and Growth Rate (2013-2018)

## **5 NORTH AMERICA THERMOPILE MICROBOLOMETER INFRARED DETECTOR BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS**

5.1 North America Thermopile Microbolometer Infrared Detector Sales, Revenue and Market Share by Countries

5.1.1 North America Thermopile Microbolometer Infrared Detector Sales by Countries (2013-2018)

5.1.2 North America Thermopile Microbolometer Infrared Detector Revenue by Countries (2013-2018)

5.1.3 United States Thermopile Microbolometer Infrared Detector Sales and Growth Rate (2013-2018)

5.1.4 Canada Thermopile Microbolometer Infrared Detector Sales and Growth Rate (2013-2018)

5.1.5 Mexico Thermopile Microbolometer Infrared Detector Sales and Growth Rate (2013-2018)

5.2 North America Thermopile Microbolometer Infrared Detector Sales and Revenue (Value) by Manufacturers (2016-2017)

5.2.1 North America Thermopile Microbolometer Infrared Detector Sales by Manufacturers (2016-2017)

5.2.2 North America Thermopile Microbolometer Infrared Detector Revenue by Manufacturers (2016-2017)

5.3 North America Thermopile Microbolometer Infrared Detector Sales, Revenue and Market Share by Type (2013-2018)

5.3.1 North America Thermopile Microbolometer Infrared Detector Sales and Sales Share by Type (2013-2018)

5.3.2 North America Thermopile Microbolometer Infrared Detector Revenue and Revenue Share by Type (2013-2018)

5.4 North America Thermopile Microbolometer Infrared Detector Sales, Revenue and Market Share by Application (2013-2018)

5.4.1 North America Thermopile Microbolometer Infrared Detector Sales and Sales Share by Application (2013-2018)

5.4.2 North America Thermopile Microbolometer Infrared Detector Revenue and Revenue Share by Application (2013-2018)

## **6 EUROPE THERMOPILE MICROBOLOMETER INFRARED DETECTOR BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS**

### **6.1 Europe Thermopile Microbolometer Infrared Detector Sales, Revenue and Market Share by Countries**

6.1.1 Europe Thermopile Microbolometer Infrared Detector Sales by Countries (2013-2018)

6.1.2 Europe Thermopile Microbolometer Infrared Detector Revenue by Countries (2013-2018)

6.1.3 Germany Thermopile Microbolometer Infrared Detector Sales and Growth Rate (2013-2018)

6.1.4 UK Thermopile Microbolometer Infrared Detector Sales and Growth Rate (2013-2018)

6.1.5 France Thermopile Microbolometer Infrared Detector Sales and Growth Rate (2013-2018)

6.1.6 Russia Thermopile Microbolometer Infrared Detector Sales and Growth Rate (2013-2018)

6.1.7 Italy Thermopile Microbolometer Infrared Detector Sales and Growth Rate (2013-2018)

### **6.2 Europe Thermopile Microbolometer Infrared Detector Sales and Revenue (Value) by Manufacturers (2016-2017)**

6.2.1 Europe Thermopile Microbolometer Infrared Detector Sales by Manufacturers (2016-2017)

6.2.2 Europe Thermopile Microbolometer Infrared Detector Revenue by Manufacturers (2016-2017)

### **6.3 Europe Thermopile Microbolometer Infrared Detector Sales, Revenue and Market Share by Type (2013-2018)**

6.3.1 Europe Thermopile Microbolometer Infrared Detector Sales and Sales Share by Type (2013-2018)

6.3.2 Europe Thermopile Microbolometer Infrared Detector Revenue and Revenue Share by Type (2013-2018)

### **6.4 Europe Thermopile Microbolometer Infrared Detector Sales, Revenue and Market Share by Application (2013-2018)**

6.4.1 Europe Thermopile Microbolometer Infrared Detector Sales and Sales Share by Application (2013-2018)

6.4.2 Europe Thermopile Microbolometer Infrared Detector Revenue and Revenue Share by Application (2013-2018)

## **7 ASIA-PACIFIC THERMOPILE MICROBOLOMETER INFRARED DETECTOR BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS**

### **7.1 Asia-Pacific Thermopile Microbolometer Infrared Detector Sales, Revenue and Market Share by Countries**

#### **7.1.1 Asia-Pacific Thermopile Microbolometer Infrared Detector Sales by Countries (2013-2018)**

#### **7.1.2 Asia-Pacific Thermopile Microbolometer Infrared Detector Revenue by Countries (2013-2018)**

#### **7.1.3 China Thermopile Microbolometer Infrared Detector Sales and Growth Rate (2013-2018)**

#### **7.1.4 Japan Thermopile Microbolometer Infrared Detector Sales and Growth Rate (2013-2018)**

#### **7.1.5 Korea Thermopile Microbolometer Infrared Detector Sales and Growth Rate (2013-2018)**

#### **7.1.6 India Thermopile Microbolometer Infrared Detector Sales and Growth Rate (2013-2018)**

#### **7.1.7 Southeast Asia Thermopile Microbolometer Infrared Detector Sales and Growth Rate (2013-2018)**

### **7.2 Asia-Pacific Thermopile Microbolometer Infrared Detector Sales and Revenue (Value) by Manufacturers (2016-2017)**

#### **7.2.1 Asia-Pacific Thermopile Microbolometer Infrared Detector Sales by Manufacturers (2016-2017)**

#### **7.2.2 Asia-Pacific Thermopile Microbolometer Infrared Detector Revenue by Manufacturers (2016-2017)**

### **7.3 Asia-Pacific Thermopile Microbolometer Infrared Detector Sales, Revenue and Market Share by Type (2013-2018)**

#### **7.3.1 Asia-Pacific Thermopile Microbolometer Infrared Detector Sales and Sales Share by Type (2013-2018)**

#### **7.3.2 Asia-Pacific Thermopile Microbolometer Infrared Detector Revenue and Revenue Share by Type (2013-2018)**

### **7.4 Asia-Pacific Thermopile Microbolometer Infrared Detector Sales, Revenue and Market Share by Application (2013-2018)**

#### **7.4.1 Asia-Pacific Thermopile Microbolometer Infrared Detector Sales and Sales Share by Application (2013-2018)**

#### **7.4.2 Asia-Pacific Thermopile Microbolometer Infrared Detector Revenue and Revenue Share by Application (2013-2018)**

## **8 SOUTH AMERICA THERMOPILE MICROBOLOMETER INFRARED DETECTOR**

## **BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS**

### **8.1 South America Thermopile Microbolometer Infrared Detector Sales, Revenue and Market Share by Countries**

#### **8.1.1 South America Thermopile Microbolometer Infrared Detector Sales by Countries (2013-2018)**

#### **8.1.2 South America Thermopile Microbolometer Infrared Detector Revenue by Countries (2013-2018)**

#### **8.1.3 Brazil Thermopile Microbolometer Infrared Detector Sales and Growth Rate (2013-2018)**

#### **8.1.4 Argentina Thermopile Microbolometer Infrared Detector Sales and Growth Rate (2013-2018)**

#### **8.1.5 Colombia Thermopile Microbolometer Infrared Detector Sales and Growth Rate (2013-2018)**

### **8.2 South America Thermopile Microbolometer Infrared Detector Sales and Revenue (Value) by Manufacturers (2016-2017)**

#### **8.2.1 South America Thermopile Microbolometer Infrared Detector Sales by Manufacturers (2016-2017)**

#### **8.2.2 South America Thermopile Microbolometer Infrared Detector Revenue by Manufacturers (2016-2017)**

### **8.3 South America Thermopile Microbolometer Infrared Detector Sales, Revenue and Market Share by Type (2013-2018)**

#### **8.3.1 South America Thermopile Microbolometer Infrared Detector Sales and Sales Share by Type (2013-2018)**

#### **8.3.2 South America Thermopile Microbolometer Infrared Detector Revenue and Revenue Share by Type (2013-2018)**

### **8.4 South America Thermopile Microbolometer Infrared Detector Sales, Revenue and Market Share by Application (2013-2018)**

#### **8.4.1 South America Thermopile Microbolometer Infrared Detector Sales and Sales Share by Application (2013-2018)**

#### **8.4.2 South America Thermopile Microbolometer Infrared Detector Revenue and Revenue Share by Application (2013-2018)**

## **9 MIDDLE EAST AND AFRICA THERMOPILE MICROBOLOMETER INFRARED DETECTOR BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS**

### **9.1 Middle East and Africa Thermopile Microbolometer Infrared Detector Sales, Revenue and Market Share by Countries**

#### **9.1.1 Middle East and Africa Thermopile Microbolometer Infrared Detector Sales by**



## Countries (2013-2018)

### 9.1.2 Middle East and Africa Thermopile Microbolometer Infrared Detector Revenue by Countries (2013-2018)

### 9.1.3 Saudi Arabia Thermopile Microbolometer Infrared Detector Sales and Growth Rate (2013-2018)

### 9.1.4 UAE Thermopile Microbolometer Infrared Detector Sales and Growth Rate (2013-2018)

### 9.1.5 Egypt Thermopile Microbolometer Infrared Detector Sales and Growth Rate (2013-2018)

### 9.1.6 Nigeria Thermopile Microbolometer Infrared Detector Sales and Growth Rate (2013-2018)

### 9.1.7 South Africa Thermopile Microbolometer Infrared Detector Sales and Growth Rate (2013-2018)

## 9.2 Middle East and Africa Thermopile Microbolometer Infrared Detector Sales and Revenue (Value) by Manufacturers (2016-2017)

### 9.2.1 Middle East and Africa Thermopile Microbolometer Infrared Detector Sales by Manufacturers (2016-2017)

### 9.2.2 Middle East and Africa Thermopile Microbolometer Infrared Detector Revenue by Manufacturers (2016-2017)

## 9.3 Middle East and Africa Thermopile Microbolometer Infrared Detector Sales, Revenue and Market Share by Type (2013-2018)

### 9.3.1 Middle East and Africa Thermopile Microbolometer Infrared Detector Sales and Sales Share by Type (2013-2018)

### 9.3.1 Middle East and Africa Thermopile Microbolometer Infrared Detector Revenue and Revenue Share by Type (2013-2018)

## 9.4 Middle East and Africa Thermopile Microbolometer Infrared Detector Sales, Revenue and Market Share by Application (2013-2018)

### 9.4.1 Middle East and Africa Thermopile Microbolometer Infrared Detector Sales and Sales Share by Application (2013-2018)

### 9.4.2 Middle East and Africa Thermopile Microbolometer Infrared Detector Revenue and Revenue Share by Application (2013-2018)

## **10 GLOBAL THERMOPILE MICROBOLOMETER INFRARED DETECTOR MARKET SEGMENT BY TYPE**

## 10.1 Global Thermopile Microbolometer Infrared Detector Sales, Revenue and Market Share by Type (2013-2018)

### 10.1.1 Global Thermopile Microbolometer Infrared Detector Sales and Market Share by Type (2013-2018)



10.1.2 Global Thermopile Microbolometer Infrared Detector Revenue and Market Share by Type (2013-2018)

10.2 Microbolometer IR Detector Sales Growth and Price

10.2.1 Global Microbolometer IR Detector Sales Growth (2013-2018)

10.2.2 Global Microbolometer IR Detector Price (2013-2018)

10.3 Thermopile IR Detector Sales Growth and Price

10.3.1 Global Thermopile IR Detector Sales Growth (2013-2018)

10.3.2 Global Thermopile IR Detector Price (2013-2018)

10.4 Pyroelectric IR Detector Sales Growth and Price

10.4.1 Global Pyroelectric IR Detector Sales Growth (2013-2018)

10.4.2 Global Pyroelectric IR Detector Price (2013-2018)

## **11 GLOBAL THERMOPILE MICROBOLOMETER INFRARED DETECTOR MARKET SEGMENT BY APPLICATION**

11.1 Global Thermopile Microbolometer Infrared Detector Sales Market Share by Application (2013-2018)

11.2 Military and Defense Sales Growth (2013-2018)

11.3 Automotive Sales Growth (2013-2018)

11.4 Smart Home Sales Growth (2013-2018)

11.5 Medicine Sales Growth (2013-2018)

11.6 Other Sales Growth (2013-2018)

## **12 THERMOPILE MICROBOLOMETER INFRARED DETECTOR MARKET FORECAST (2018-2023)**

12.1 Global Thermopile Microbolometer Infrared Detector Sales, Revenue and Growth Rate (2018-2023)

12.2 Thermopile Microbolometer Infrared Detector Market Forecast by Regions (2018-2023)

12.2.1 North America Thermopile Microbolometer Infrared Detector Market Forecast (2018-2023)

12.2.2 Europe Thermopile Microbolometer Infrared Detector Market Forecast (2018-2023)

12.2.3 Asia-Pacific Thermopile Microbolometer Infrared Detector Market Forecast (2018-2023)

12.2.4 South America Thermopile Microbolometer Infrared Detector Market Forecast (2018-2023)

12.2.5 Middle East and Africa Thermopile Microbolometer Infrared Detector Market

## Forecast (2018-2023)

### 12.3 Thermopile Microbolometer Infrared Detector Market Forecast by Type (2018-2023)

#### 12.3.1 Global Thermopile Microbolometer Infrared Detector Sales Forecast by Type (2018-2023)

#### 12.3.2 Global Thermopile Microbolometer Infrared Detector Market Share Forecast by Type (2018-2023)

### 12.4 Thermopile Microbolometer Infrared Detector Market Forecast by Application (2018-2023)

#### 12.4.1 Global Thermopile Microbolometer Infrared Detector Sales Forecast by Application (2018-2023)

#### 12.4.2 Global Thermopile Microbolometer Infrared Detector Market Share Forecast by Application (2018-2023)

## 13 SALES CHANNEL, DISTRIBUTORS, TRADERS AND DEALERS

### 13.1 Sales Channel

#### 13.1.1 Direct Marketing

#### 13.1.2 Indirect Marketing

#### 13.1.3 Marketing Channel Future Trend

### 13.2 Distributors, Traders and Dealers

## 14 RESEARCH FINDINGS AND CONCLUSION

## 15 APPENDIX

### 15.1 Methodology

### 15.2 Data Source

## List Of Tables

### LIST OF TABLES AND FIGURES

Figure Thermopile Microbolometer Infrared Detector Picture  
Table Product Specifications of Thermopile Microbolometer Infrared Detector  
Figure Global Thermopile Microbolometer Infrared Detector CAGR (%), Y-o-Y Growth (&) and Market Size, 2013-2023 (USD Million)  
Figure Global Thermopile Microbolometer Infrared Detector CAGR (%), Y-o-Y Growth (&) and Market Size, 2013-2023 (Sales)  
Figure Global Sales Market Share of Thermopile Microbolometer Infrared Detector by Types in 2017  
Figure Microbolometer IR Detector Picture  
Table Major Manufacturers of Microbolometer IR Detector  
Figure Thermopile IR Detector Picture  
Table Major Manufacturers of Thermopile IR Detector  
Figure Pyroelectric IR Detector Picture  
Table Major Manufacturers of Pyroelectric IR Detector  
Figure Thermopile Microbolometer Infrared Detector Sales Market Share by Applications in 2017  
Figure Military and Defense Picture  
Figure Automotive Picture  
Figure Smart Home Picture  
Figure Medicine Picture  
Figure Other Picture  
Figure United States Thermopile Microbolometer Infrared Detector Revenue (Value) and Growth Rate (2013-2023)  
Figure Canada Thermopile Microbolometer Infrared Detector Revenue (Value) and Growth Rate (2013-2023)  
Figure Mexico Thermopile Microbolometer Infrared Detector Revenue (Value) and Growth Rate (2013-2023)  
Figure Germany Thermopile Microbolometer Infrared Detector Revenue (Value) and Growth Rate (2013-2023)  
Figure France Thermopile Microbolometer Infrared Detector Revenue (Value) and Growth Rate (2013-2023)  
Figure UK Thermopile Microbolometer Infrared Detector Revenue (Value) and Growth Rate (2013-2023)  
Figure Russia Thermopile Microbolometer Infrared Detector Revenue (Value) and Growth Rate (2013-2023)

Figure Italy Thermopile Microbolometer Infrared Detector Revenue (Value) and Growth Rate (2013-2023)

Figure China Thermopile Microbolometer Infrared Detector Revenue (Value) and Growth Rate (2013-2023)

Figure Japan Thermopile Microbolometer Infrared Detector Revenue (Value) and Growth Rate (2013-2023)

Figure Korea Thermopile Microbolometer Infrared Detector Revenue (Value) and Growth Rate (2013-2023)

Figure India Thermopile Microbolometer Infrared Detector Revenue (Value) and Growth Rate (2013-2023)

Figure Southeast Asia Thermopile Microbolometer Infrared Detector Revenue (Value) and Growth Rate (2013-2023)

Figure Brazil Thermopile Microbolometer Infrared Detector Revenue (Value) and Growth Rate (2013-2023)

Figure Egypt Thermopile Microbolometer Infrared Detector Revenue (Value) and Growth Rate (2013-2023)

Figure Saudi Arabia Thermopile Microbolometer Infrared Detector Revenue (Value) and Growth Rate (2013-2023)

Figure South Africa Thermopile Microbolometer Infrared Detector Revenue (Value) and Growth Rate (2013-2023)

Figure Nigeria Thermopile Microbolometer Infrared Detector Revenue (Value) and Growth Rate (2013-2023)

Table Excelitas Technologies Headquarter, Established, Main Business and Finance Overview (2017)

Table Excelitas Technologies Thermopile Microbolometer Infrared Detector Production Bases, Sales Regions and Major Competitors

Table Excelitas Technologies Thermopile Microbolometer Infrared Detector Product

Table Excelitas Technologies Thermopile Microbolometer Infrared Detector Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Excelitas Technologies Thermopile Microbolometer Infrared Detector Sales Market Share in 2017

Figure Global Excelitas Technologies Thermopile Microbolometer Infrared Detector Revenue Market Share in 2017

Table Nippon Ceramic Headquarter, Established, Main Business and Finance Overview (2017)

Table Nippon Ceramic Thermopile Microbolometer Infrared Detector Production Bases, Sales Regions and Major Competitors

Table Nippon Ceramic Thermopile Microbolometer Infrared Detector Product

Table Nippon Ceramic Thermopile Microbolometer Infrared Detector Sales, Price,

Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Nippon Ceramic Thermopile Microbolometer Infrared Detector Sales  
Market Share in 2017

Figure Global Nippon Ceramic Thermopile Microbolometer Infrared Detector Revenue  
Market Share in 2017

Table Hamamatsu Photonic Headquarter, Established, Main Business and Finance  
Overview (2017)

Table Hamamatsu Photonic Thermopile Microbolometer Infrared Detector Production  
Bases, Sales Regions and Major Competitors

Table Hamamatsu Photonic Thermopile Microbolometer Infrared Detector Product

Table Hamamatsu Photonic Thermopile Microbolometer Infrared Detector Sales, Price,  
Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Hamamatsu Photonic Thermopile Microbolometer Infrared Detector Sales  
Market Share in 2017

Figure Global Hamamatsu Photonic Thermopile Microbolometer Infrared Detector  
Revenue Market Share in 2017

Table Murata Manufacturing Headquarter, Established, Main Business and Finance  
Overview (2017)

Table Murata Manufacturing Thermopile Microbolometer Infrared Detector Production  
Bases, Sales Regions and Major Competitors

Table Murata Manufacturing Thermopile Microbolometer Infrared Detector Product

Table Murata Manufacturing Thermopile Microbolometer Infrared Detector Sales, Price,  
Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Murata Manufacturing Thermopile Microbolometer Infrared Detector  
Sales Market Share in 2017

Figure Global Murata Manufacturing Thermopile Microbolometer Infrared Detector  
Revenue Market Share in 2017

Table Flir Systems Headquarter, Established, Main Business and Finance Overview  
(2017)

Table Flir Systems Thermopile Microbolometer Infrared Detector Production Bases,  
Sales Regions and Major Competitors

Table Flir Systems Thermopile Microbolometer Infrared Detector Product

Table Flir Systems Thermopile Microbolometer Infrared Detector Sales, Price, Revenue,  
Gross Margin and Market Share (2016-2017)

Figure Global Flir Systems Thermopile Microbolometer Infrared Detector Sales Market  
Share in 2017

Figure Global Flir Systems Thermopile Microbolometer Infrared Detector Revenue  
Market Share in 2017

Table Texas Instruments Headquarter, Established, Main Business and Finance

## Overview (2017)

Table Texas Instruments Thermopile Microbolometer Infrared Detector Production Bases, Sales Regions and Major Competitors

Table Texas Instruments Thermopile Microbolometer Infrared Detector Product

Table Texas Instruments Thermopile Microbolometer Infrared Detector Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Texas Instruments Thermopile Microbolometer Infrared Detector Sales Market Share in 2017

Figure Global Texas Instruments Thermopile Microbolometer Infrared Detector Revenue Market Share in 2017

Table Sofradir Headquarter, Established, Main Business and Finance Overview (2017)

Table Sofradir Thermopile Microbolometer Infrared Detector Production Bases, Sales Regions and Major Competitors

Table Sofradir Thermopile Microbolometer Infrared Detector Product

Table Sofradir Thermopile Microbolometer Infrared Detector Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Sofradir Thermopile Microbolometer Infrared Detector Sales Market Share in 2017

Figure Global Sofradir Thermopile Microbolometer Infrared Detector Revenue Market Share in 2017

Table Infra TEC GmbH Headquarter, Established, Main Business and Finance Overview (2017)

Table Infra TEC GmbH Thermopile Microbolometer Infrared Detector Production Bases, Sales Regions and Major Competitors

Table Infra TEC GmbH Thermopile Microbolometer Infrared Detector Product

Table Infra TEC GmbH Thermopile Microbolometer Infrared Detector Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Infra TEC GmbH Thermopile Microbolometer Infrared Detector Sales Market Share in 2017

Figure Global Infra TEC GmbH Thermopile Microbolometer Infrared Detector Revenue Market Share in 2017

Table DRS Headquarter, Established, Main Business and Finance Overview (2017)

Table DRS Thermopile Microbolometer Infrared Detector Production Bases, Sales Regions and Major Competitors

Table DRS Thermopile Microbolometer Infrared Detector Product

Table DRS Thermopile Microbolometer Infrared Detector Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global DRS Thermopile Microbolometer Infrared Detector Sales Market Share in 2017



Figure Global DRS Thermopile Microbolometer Infrared Detector Revenue Market Share in 2017

Table Zhejiang Dali Headquarter, Established, Main Business and Finance Overview (2017)

Table Zhejiang Dali Thermopile Microbolometer Infrared Detector Production Bases, Sales Regions and Major Competitors

Table Zhejiang Dali Thermopile Microbolometer Infrared Detector Product

Table Zhejiang Dali Thermopile Microbolometer Infrared Detector Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Zhejiang Dali Thermopile Microbolometer Infrared Detector Sales Market Share in 2017

Figure Global Zhejiang Dali Thermopile Microbolometer Infrared Detector Revenue Market Share in 2017

Table IRay Technology

Table IRay Technology Thermopile Microbolometer Infrared Detector

Table North GuangWei

Table North GuangWei Thermopile Microbolometer Infrared Detector

Table Global Thermopile Microbolometer Infrared Detector Sales by Manufacturer (2016-2017)

Figure Global Thermopile Microbolometer Infrared Detector Sales Market Share by Manufacturer in 2016

Figure Global Thermopile Microbolometer Infrared Detector Sales Market Share by Manufacturer in 2017

Table Global Thermopile Microbolometer Infrared Detector Revenue by Manufacturer (2016-2017)

Figure Global Thermopile Microbolometer Infrared Detector Revenue Market Share by Manufacturer in 2016

Figure Global Thermopile Microbolometer Infrared Detector Revenue Market Share by Manufacturer in 2017

Table Global Thermopile Microbolometer Infrared Detector Price by Manufacturer (2016-2017)

Figure Top 3 Thermopile Microbolometer Infrared Detector Manufacturer (Revenue) Market Share in 2017

Figure Top 6 Thermopile Microbolometer Infrared Detector Manufacturer (Revenue) Market Share in 2017

Figure Global Thermopile Microbolometer Infrared Detector Sales and Growth Rate (2013-2018)

Figure Global Thermopile Microbolometer Infrared Detector Revenue and Growth Rate (2013-2018)



Table Global Thermopile Microbolometer Infrared Detector Sales by Regions  
(2013-2018)

Table Global Thermopile Microbolometer Infrared Detector Sales Market Share by  
Regions (2013-2018)

Table Global Thermopile Microbolometer Infrared Detector Revenue by Regions  
(2013-2018)

Figure Global Thermopile Microbolometer Infrared Detector Revenue Market Share by  
Regions in 2013

Figure Global Thermopile Microbolometer Infrared Detector Revenue Market Share by  
Regions in 2017

Figure North America Thermopile Microbolometer Infrared Detector Sales and Growth  
Rate (2013-2018)

Figure North America Thermopile Microbolometer Infrared Detector Revenue and  
Growth Rate (2013-2018)

Figure Europe Thermopile Microbolometer Infrared Detector Sales and Growth Rate  
(2013-2018)

Figure Europe Thermopile Microbolometer Infrared Detector Revenue and Growth Rate  
(2013-2018)

Figure Asia-Pacific Thermopile Microbolometer Infrared Detector Sales and Growth  
Rate (2013-2018)

Figure Asia-Pacific Thermopile Microbolometer Infrared Detector Revenue and Growth  
Rate (2013-2018)

Figure South America Thermopile Microbolometer Infrared Detector Sales and Growth  
Rate (2013-2018)

Figure South America Thermopile Microbolometer Infrared Detector Revenue and  
Growth Rate (2013-2018)

Figure Middle East and Africa Thermopile Microbolometer Infrared Detector Sales and  
Growth Rate (2013-2018)

Figure Middle East and Africa Thermopile Microbolometer Infrared Detector Revenue  
and Growth Rate (2013-2018)

Figure North America Thermopile Microbolometer Infrared Detector Revenue and  
Growth Rate (2013-2018)

Table North America Thermopile Microbolometer Infrared Detector Sales by Countries  
(2013-2018)

Table North America Thermopile Microbolometer Infrared Detector Sales Market Share  
by Countries (2013-2018)

Figure North America Thermopile Microbolometer Infrared Detector Sales Market Share  
by Countries in 2013

Figure North America Thermopile Microbolometer Infrared Detector Sales Market Share

by Countries in 2017

Table North America Thermopile Microbolometer Infrared Detector Revenue by Countries (2013-2018)

Table North America Thermopile Microbolometer Infrared Detector Revenue Market Share by Countries (2013-2018)

Figure North America Thermopile Microbolometer Infrared Detector Revenue Market Share by Countries in 2013

Figure North America Thermopile Microbolometer Infrared Detector Revenue Market Share by Countries in 2017

Figure United States Thermopile Microbolometer Infrared Detector Sales and Growth Rate (2013-2018)

Figure Canada Thermopile Microbolometer Infrared Detector Sales and Growth Rate (2013-2018)

Figure Mexico Thermopile Microbolometer Infrared Detector Sales and Growth Rate (2013-2018)

Table North America Thermopile Microbolometer Infrared Detector Sales by Manufacturer (2016-2017)

Figure North America Thermopile Microbolometer Infrared Detector Sales Market Share by Manufacturer in 2016

Figure North America Thermopile Microbolometer Infrared Detector Sales Market Share by Manufacturer in 2017

Table North America Thermopile Microbolometer Infrared Detector Revenue by Manufacturer (2016-2017)

Figure North America Thermopile Microbolometer Infrared Detector Revenue Market Share by Manufacturer in 2016

Figure North America Thermopile Microbolometer Infrared Detector Revenue Market Share by Manufacturer in 2017

Table North America Thermopile Microbolometer Infrared Detector Sales by Type (2013-2018)

Table North America Thermopile Microbolometer Infrared Detector Sales Share by Type (2013-2018)

Table North America Thermopile Microbolometer Infrared Detector Revenue by Type (2013-2018)

Table North America Thermopile Microbolometer Infrared Detector Revenue Share by Type (2013-2018)

Table North America Thermopile Microbolometer Infrared Detector Sales by Application (2013-2018)

Table North America Thermopile Microbolometer Infrared Detector Sales Share by Application (2013-2018)

Table North America Thermopile Microbolometer Infrared Detector Revenue by Application (2013-2018)

Table North America Thermopile Microbolometer Infrared Detector Revenue Share by Application (2013-2018)

Figure Europe Thermopile Microbolometer Infrared Detector Revenue and Growth Rate (2013-2018)

Table Europe Thermopile Microbolometer Infrared Detector Sales by Countries (2013-2018)

Table Europe Thermopile Microbolometer Infrared Detector Sales Market Share by Countries (2013-2018)

Table Europe Thermopile Microbolometer Infrared Detector Revenue by Countries (2013-2018)

Figure Europe Thermopile Microbolometer Infrared Detector Revenue Market Share by Countries in 2016

Figure Europe Thermopile Microbolometer Infrared Detector Revenue Market Share by Countries in 2017

Figure Germany Thermopile Microbolometer Infrared Detector Sales and Growth Rate (2013-2018)

Figure UK Thermopile Microbolometer Infrared Detector Sales and Growth Rate (2013-2018)

Figure France Thermopile Microbolometer Infrared Detector Sales and Growth Rate (2013-2018)

Figure Russia Thermopile Microbolometer Infrared Detector Sales and Growth Rate (2013-2018)

Figure Italy Thermopile Microbolometer Infrared Detector Sales and Growth Rate (2013-2018)

Table Europe Thermopile Microbolometer Infrared Detector Sales by Manufacturer (2016-2017)

Figure Europe Thermopile Microbolometer Infrared Detector Sales Market Share by Manufacturer in 2016

Figure Europe Thermopile Microbolometer Infrared Detector Sales Market Share by Manufacturer in 2017

Table Europe Thermopile Microbolometer Infrared Detector Revenue by Manufacturer (2016-2017)

Figure Europe Thermopile Microbolometer Infrared Detector Revenue Market Share by Manufacturer in 2016

Figure Europe Thermopile Microbolometer Infrared Detector Revenue Market Share by Manufacturer in 2017

Table Europe Thermopile Microbolometer Infrared Detector Sales by Type (2013-2018)

Table Europe Thermopile Microbolometer Infrared Detector Sales Share by Type (2013-2018)

Table Europe Thermopile Microbolometer Infrared Detector Revenue by Type (2013-2018)

Table Europe Thermopile Microbolometer Infrared Detector Revenue Share by Type (2013-2018)

Table Europe Thermopile Microbolometer Infrared Detector Sales by Application (2013-2018)

Table Europe Thermopile Microbolometer Infrared Detector Sales Share by Application (2013-2018)

Table Europe Thermopile Microbolometer Infrared Detector Revenue by Application (2013-2018)

Table Europe Thermopile Microbolometer Infrared Detector Revenue Share by Application (2013-2018)

Figure Asia-Pacific Thermopile Microbolometer Infrared Detector Revenue and Growth Rate (2013-2018)

Table Asia-Pacific Thermopile Microbolometer Infrared Detector Sales by Countries (2013-2018)

Table Asia-Pacific Thermopile Microbolometer Infrared Detector Sales Market Share by Countries (2013-2018)

Figure Asia-Pacific Thermopile Microbolometer Infrared Detector Sales Market Share by Countries 2017

Table Asia-Pacific Thermopile Microbolometer Infrared Detector Revenue by Countries (2013-2018)

Figure Asia-Pacific Thermopile Microbolometer Infrared Detector Revenue Market Share by Countries 2017

Figure China Thermopile Microbolometer Infrared Detector Sales and Growth Rate (2013-2018)

Figure Japan Thermopile Microbolometer Infrared Detector Sales and Growth Rate (2013-2018)

Figure Korea Thermopile Microbolometer Infrared Detector Sales and Growth Rate (2013-2018)

Figure India Thermopile Microbolometer Infrared Detector Sales and Growth Rate (2013-2018)

Figure Southeast Asia Thermopile Microbolometer Infrared Detector Sales and Growth Rate (2013-2018)

Table Asia-Pacific Thermopile Microbolometer Infrared Detector Sales by Manufacturer (2016-2017)

Figure Asia-Pacific Thermopile Microbolometer Infrared Detector Sales Market Share by

Manufacturer in 2016

Figure Asia-Pacific Thermopile Microbolometer Infrared Detector Sales Market Share by Manufacturer in 2017

Table Asia-Pacific Thermopile Microbolometer Infrared Detector Revenue by Manufacturer (2016-2017)

Figure Asia-Pacific Thermopile Microbolometer Infrared Detector Revenue Market Share by Manufacturer in 2016

Figure Asia-Pacific Thermopile Microbolometer Infrared Detector Revenue Market Share by Manufacturer in 2017

Table Asia-Pacific Thermopile Microbolometer Infrared Detector Sales by Type (2013-2018)

Table Asia-Pacific Thermopile Microbolometer Infrared Detector Sales Share by Type (2013-2018)

Table Asia-Pacific Thermopile Microbolometer Infrared Detector Revenue by Type (2013-2018)

Table Asia-Pacific Thermopile Microbolometer Infrared Detector Revenue Share by Type (2013-2018)

Table Asia-Pacific Thermopile Microbolometer Infrared Detector Sales by Application (2013-2018)

Table Asia-Pacific Thermopile Microbolometer Infrared Detector Sales Share by Application (2013-2018)

Table Asia-Pacific Thermopile Microbolometer Infrared Detector Revenue by Application (2013-2018)

Table Asia-Pacific Thermopile Microbolometer Infrared Detector Revenue Share by Application (2013-2018)

Figure South America Thermopile Microbolometer Infrared Detector Revenue and Growth Rate (2013-2018)

Table South America Thermopile Microbolometer Infrared Detector Sales by Countries (2013-2018)

Table South America Thermopile Microbolometer Infrared Detector Sales Market Share by Countries (2013-2018)

Figure South America Thermopile Microbolometer Infrared Detector Sales Market Share by Countries in 2017

Table South America Thermopile Microbolometer Infrared Detector Revenue by Countries (2013-2018)

Table South America Thermopile Microbolometer Infrared Detector Revenue Market Share by Countries (2013-2018)

Figure South America Thermopile Microbolometer Infrared Detector Revenue Market Share by Countries in 2017

Figure Brazil Thermopile Microbolometer Infrared Detector Sales and Growth Rate (2013-2018)

Figure Argentina Thermopile Microbolometer Infrared Detector Sales and Growth Rate (2013-2018)

Figure Colombia Thermopile Microbolometer Infrared Detector Sales and Growth Rate (2013-2018)

Table South America Thermopile Microbolometer Infrared Detector Sales by Manufacturer (2016-2017)

Figure South America Thermopile Microbolometer Infrared Detector Sales Market Share by Manufacturer in 2016

Figure South America Thermopile Microbolometer Infrared Detector Sales Market Share by Manufacturer in 2017

Table South America Thermopile Microbolometer Infrared Detector Revenue by Manufacturer (2016-2017)

Figure South America Thermopile Microbolometer Infrared Detector Revenue Market Share by Manufacturer in 2016

Figure South America Thermopile Microbolometer Infrared Detector Revenue Market Share by Manufacturer in 2017

Table South America Thermopile Microbolometer Infrared Detector Sales by Type (2013-2018)

Table South America Thermopile Microbolometer Infrared Detector Sales Share by Type (2013-2018)

Table South America Thermopile Microbolometer Infrared Detector Revenue by Type (2013-2018)

Table South America Thermopile Microbolometer Infrared Detector Revenue Share by Type (2013-2018)

Table South America Thermopile Microbolometer Infrared Detector Sales by Application (2013-2018)

Table South America Thermopile Microbolometer Infrared Detector Sales Share by Application (2013-2018)

Table South America Thermopile Microbolometer Infrared Detector Revenue by Application (2013-2018)

Table South America Thermopile Microbolometer Infrared Detector Revenue Share by Application (2013-2018)

Figure Middle East and Africa Thermopile Microbolometer Infrared Detector Revenue and Growth Rate (2013-2018)

Table Middle East and Africa Thermopile Microbolometer Infrared Detector Sales by Countries (2013-2018)

Table Middle East and Africa Thermopile Microbolometer Infrared Detector Sales



Market Share by Countries (2013-2018)

Figure Middle East and Africa Thermopile Microbolometer Infrared Detector Sales

Market Share by Countries in 2017

Table Middle East and Africa Thermopile Microbolometer Infrared Detector Revenue by Countries (2013-2018)

Table Middle East and Africa Thermopile Microbolometer Infrared Detector Revenue

Market Share by Countries (2013-2018)

Figure Middle East and Africa Thermopile Microbolometer Infrared Detector Revenue

Market Share by Countries in 2013

Figure Middle East and Africa Thermopile Microbolometer Infrared Detector Revenue

Market Share by Countries in 2017

Figure Saudi Arabia Thermopile Microbolometer Infrared Detector Sales and Growth Rate (2013-2018)

Figure UAE Thermopile Microbolometer Infrared Detector Sales and Growth Rate (2013-2018)

Figure Egypt Thermopile Microbolometer Infrared Detector Sales and Growth Rate (2013-2018)

Figure Nigeria Thermopile Microbolometer Infrared Detector Sales and Growth Rate (2013-2018)

Figure South Africa Thermopile Microbolometer Infrared Detector Sales and Growth Rate (2013-2018)

Table Middle East and Africa Thermopile Microbolometer Infrared Detector Sales by Manufacturer (2016-2017)

Figure Middle East and Africa Thermopile Microbolometer Infrared Detector Sales

Market Share by Manufacturer in 2016

Figure Middle East and Africa Thermopile Microbolometer Infrared Detector Sales

Market Share by Manufacturer in 2017

Table Middle East and Africa Thermopile Microbolometer Infrared Detector Revenue by Manufacturer (2016-2017)

Figure Middle East and Africa Thermopile Microbolometer Infrared Detector Revenue

Market Share by Manufacturer in 2016

Figure Middle East and Africa Thermopile Microbolometer Infrared Detector Revenue

Market Share by Manufacturer in 2017

Table Middle East and Africa Thermopile Microbolometer Infrared Detector Sales by Type (2013-2018)

Table Middle East and Africa Thermopile Microbolometer Infrared Detector Sales Share by Type (2013-2018)

Table Middle East and Africa Thermopile Microbolometer Infrared Detector Revenue by Type (2013-2018)



Table Middle East and Africa Thermopile Microbolometer Infrared Detector Revenue Share by Type (2013-2018)

Table Middle East and Africa Thermopile Microbolometer Infrared Detector Sales by Application (2013-2018)

Table Middle East and Africa Thermopile Microbolometer Infrared Detector Sales Share by Application (2013-2018)

Table Middle East and Africa Thermopile Microbolometer Infrared Detector Revenue by Application (2013-2018)

Table Middle East and Africa Thermopile Microbolometer Infrared Detector Revenue Share by Application (2013-2018)

Table Global Thermopile Microbolometer Infrared Detector Sales by Type (2013-2018)

Table Global Thermopile Microbolometer Infrared Detector Sales Share by Type (2013-2018)

Table Global Thermopile Microbolometer Infrared Detector Revenue by Type (2013-2018)

Table Global Thermopile Microbolometer Infrared Detector Revenue Share by Type (2013-2018)

Figure Global Microbolometer IR Detector Sales Growth (2013-2018)

Figure Global Microbolometer IR Detector Price (2013-2018)

Figure Global Thermopile IR Detector Sales Growth (2013-2018)

Figure Global Thermopile IR Detector Price (2013-2018)

Figure Global Pyroelectric IR Detector Sales Growth (2013-2018)

Figure Global Pyroelectric IR Detector Price (2013-2018)

Table Global Thermopile Microbolometer Infrared Detector Sales by Application (2013-2018)

Table Global Thermopile Microbolometer Infrared Detector Sales Share by Application (2013-2018)

Figure Global Military and Defense Sales Growth (2013-2018)

Figure Global Automotive Sales Growth (2013-2018)

Figure Global Smart Home Sales Growth (2013-2018)

Figure Global Medicine Sales Growth (2013-2018)

Figure Global Other Sales Growth (2013-2018)

Figure Global Thermopile Microbolometer Infrared Detector Sales, Revenue and Growth Rate (2018-2023)

Table Global Thermopile Microbolometer Infrared Detector Sales Forecast by Regions (2018-2023)

Table Global Thermopile Microbolometer Infrared Detector Market Share Forecast by Regions (2018-2023)

Figure North America Sales Thermopile Microbolometer Infrared Detector Market

Forecast (2018-2023)

Figure Europe Sales Thermopile Microbolometer Infrared Detector Market Forecast (2018-2023)

Figure Asia-Pacific Sales Thermopile Microbolometer Infrared Detector Market Forecast (2018-2023)

Figure South America Sales Thermopile Microbolometer Infrared Detector Market Forecast (2018-2023)

Figure Middle East and Africa Sales Thermopile Microbolometer Infrared Detector Market Forecast (2018-2023)

Table Global Thermopile Microbolometer Infrared Detector Sales Forecast by Type (2018-2023)

Table Global Thermopile Microbolometer Infrared Detector Market Share Forecast by Type (2018-2023)

Table Global Thermopile Microbolometer Infrared Detector Sales Forecast by Application (2018-2023)

Table Global Thermopile Microbolometer Infrared Detector Market Share Forecast by Application (2018-2023)

Table Distributors/Traders/ Dealers List

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