

Global Thermopile Microbolometer Infrared Detector Market Growth 2024-2030

<https://marketpublishers.com/r/GAF14DF9D64EN.html>

Date: January 2024

Pages: 122

Price: US\$ 3,660.00 (Single User License)

ID: GAF14DF9D64EN

Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

According to our LPI (LP Information) latest study, the global Thermopile Microbolometer Infrared Detector market size was valued at US\$ 2709.8 million in 2023. With growing demand in downstream market, the Thermopile Microbolometer Infrared Detector is forecast to a readjusted size of US\$ 5197.5 million by 2030 with a CAGR of 9.8% during review period.

The research report highlights the growth potential of the global Thermopile Microbolometer Infrared Detector market. Thermopile Microbolometer Infrared Detector are expected to show stable growth in the future market. However, product differentiation, reducing costs, and supply chain optimization remain crucial for the widespread adoption of Thermopile Microbolometer Infrared Detector. Market players need to invest in research and development, forge strategic partnerships, and align their offerings with evolving consumer preferences to capitalize on the immense opportunities presented by the Thermopile Microbolometer Infrared Detector market.

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.

Global Low Molecular Weight Heparin main players are Aspen, Sanofi-aventis, CSBIO, Dongying Tiandong Pharmaceutical, Techdow, etc. Top four companies hold a share above 60%. North America is the largest market, with a share about 55%.

Key Features:

The report on Thermopile Microbolometer Infrared Detector market reflects various aspects and provide valuable insights into the industry.

Market Size and Growth: The research report provide an overview of the current size and growth of the Thermopile Microbolometer Infrared Detector market. It may include historical data, market segmentation by Type (e.g., Microbolometer IR Detector, Thermopile IR Detector), and regional breakdowns.

Market Drivers and Challenges: The report can identify and analyse the factors driving the growth of the Thermopile Microbolometer Infrared Detector market, such as government regulations, environmental concerns, technological advancements, and changing consumer preferences. It can also highlight the challenges faced by the industry, including infrastructure limitations, range anxiety, and high upfront costs.

Competitive Landscape: The research report provides analysis of the competitive landscape within the Thermopile Microbolometer Infrared Detector market. It includes profiles of key players, their market share, strategies, and product offerings. The report can also highlight emerging players and their potential impact on the market.

Technological Developments: The research report can delve into the latest technological developments in the Thermopile Microbolometer Infrared Detector industry. This include advancements in Thermopile Microbolometer Infrared Detector technology, Thermopile Microbolometer Infrared Detector new entrants, Thermopile Microbolometer Infrared Detector new investment, and other innovations that are shaping the future of Thermopile Microbolometer Infrared Detector.

Downstream Procumbent Preference: The report can shed light on customer procumbent behaviour and adoption trends in the Thermopile Microbolometer Infrared Detector market. It includes factors influencing customer ' purchasing decisions, preferences for Thermopile Microbolometer Infrared Detector product.

Government Policies and Incentives: The research report analyse the impact of

government policies and incentives on the Thermopile Microbolometer Infrared Detector market. This may include an assessment of regulatory frameworks, subsidies, tax incentives, and other measures aimed at promoting Thermopile Microbolometer Infrared Detector market. The report also evaluates the effectiveness of these policies in driving market growth.

Environmental Impact and Sustainability: The research report assess the environmental impact and sustainability aspects of the Thermopile Microbolometer Infrared Detector market.

Market Forecasts and Future Outlook: Based on the analysis conducted, the research report provide market forecasts and outlook for the Thermopile Microbolometer Infrared Detector industry. This includes projections of market size, growth rates, regional trends, and predictions on technological advancements and policy developments.

Recommendations and Opportunities: The report conclude with recommendations for industry stakeholders, policymakers, and investors. It highlights potential opportunities for market players to capitalize on emerging trends, overcome challenges, and contribute to the growth and development of the Thermopile Microbolometer Infrared Detector market.

Market Segmentation:

Thermopile Microbolometer Infrared Detector market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Segmentation by type

Microbolometer IR Detector

Thermopile IR Detector

Pyroelectric IR Detector

Segmentation by application

Military and Defense

Automotive

Smart Home

Medicine

Others

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

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Excelitas Technologies

Nippon Ceramic

Hamamatsu Photonic

Murata Manufacturing

Flir Systems

Texas Instruments

Sofradir

Infra TEC GmbH

DRS

Zhejiang Dali

IRay Technology

North GuangWei

Key Questions Addressed in this Report

What is the 10-year outlook for the global Thermopile Microbolometer Infrared Detector market?

What factors are driving Thermopile Microbolometer Infrared Detector market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Thermopile Microbolometer Infrared Detector market opportunities vary by end market size?

How does Thermopile Microbolometer Infrared Detector break out type, application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

2.1 World Market Overview

- 2.1.1 Global Thermopile Microbolometer Infrared Detector Annual Sales 2019-2030
- 2.1.2 World Current & Future Analysis for Thermopile Microbolometer Infrared Detector by Geographic Region, 2019, 2023 & 2030
- 2.1.3 World Current & Future Analysis for Thermopile Microbolometer Infrared Detector by Country/Region, 2019, 2023 & 2030

2.2 Thermopile Microbolometer Infrared Detector Segment by Type

- 2.2.1 Microbolometer IR Detector
- 2.2.2 Thermopile IR Detector
- 2.2.3 Pyroelectric IR Detector

2.3 Thermopile Microbolometer Infrared Detector Sales by Type

- 2.3.1 Global Thermopile Microbolometer Infrared Detector Sales Market Share by Type (2019-2024)
- 2.3.2 Global Thermopile Microbolometer Infrared Detector Revenue and Market Share by Type (2019-2024)
- 2.3.3 Global Thermopile Microbolometer Infrared Detector Sale Price by Type (2019-2024)

2.4 Thermopile Microbolometer Infrared Detector Segment by Application

- 2.4.1 Military and Defense
- 2.4.2 Automotive
- 2.4.3 Smart Home
- 2.4.4 Medicine
- 2.4.5 Others

2.5 Thermopile Microbolometer Infrared Detector Sales by Application

2.5.1 Global Thermopile Microbolometer Infrared Detector Sale Market Share by Application (2019-2024)

2.5.2 Global Thermopile Microbolometer Infrared Detector Revenue and Market Share by Application (2019-2024)

2.5.3 Global Thermopile Microbolometer Infrared Detector Sale Price by Application (2019-2024)

3 GLOBAL THERMOPILE MICROBOLOMETER INFRARED DETECTOR BY COMPANY

3.1 Global Thermopile Microbolometer Infrared Detector Breakdown Data by Company

3.1.1 Global Thermopile Microbolometer Infrared Detector Annual Sales by Company (2019-2024)

3.1.2 Global Thermopile Microbolometer Infrared Detector Sales Market Share by Company (2019-2024)

3.2 Global Thermopile Microbolometer Infrared Detector Annual Revenue by Company (2019-2024)

3.2.1 Global Thermopile Microbolometer Infrared Detector Revenue by Company (2019-2024)

3.2.2 Global Thermopile Microbolometer Infrared Detector Revenue Market Share by Company (2019-2024)

3.3 Global Thermopile Microbolometer Infrared Detector Sale Price by Company

3.4 Key Manufacturers Thermopile Microbolometer Infrared Detector Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Thermopile Microbolometer Infrared Detector Product Location Distribution

3.4.2 Players Thermopile Microbolometer Infrared Detector Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

3.6 New Products and Potential Entrants

3.7 Mergers & Acquisitions, Expansion

4 WORLD HISTORIC REVIEW FOR THERMOPILE MICROBOLOMETER INFRARED DETECTOR BY GEOGRAPHIC REGION

4.1 World Historic Thermopile Microbolometer Infrared Detector Market Size by Geographic Region (2019-2024)

4.1.1 Global Thermopile Microbolometer Infrared Detector Annual Sales by

Geographic Region (2019-2024)

4.1.2 Global Thermopile Microbolometer Infrared Detector Annual Revenue by Geographic Region (2019-2024)

4.2 World Historic Thermopile Microbolometer Infrared Detector Market Size by Country/Region (2019-2024)

4.2.1 Global Thermopile Microbolometer Infrared Detector Annual Sales by Country/Region (2019-2024)

4.2.2 Global Thermopile Microbolometer Infrared Detector Annual Revenue by Country/Region (2019-2024)

4.3 Americas Thermopile Microbolometer Infrared Detector Sales Growth

4.4 APAC Thermopile Microbolometer Infrared Detector Sales Growth

4.5 Europe Thermopile Microbolometer Infrared Detector Sales Growth

4.6 Middle East & Africa Thermopile Microbolometer Infrared Detector Sales Growth

5 AMERICAS

5.1 Americas Thermopile Microbolometer Infrared Detector Sales by Country

5.1.1 Americas Thermopile Microbolometer Infrared Detector Sales by Country (2019-2024)

5.1.2 Americas Thermopile Microbolometer Infrared Detector Revenue by Country (2019-2024)

5.2 Americas Thermopile Microbolometer Infrared Detector Sales by Type

5.3 Americas Thermopile Microbolometer Infrared Detector Sales by Application

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Thermopile Microbolometer Infrared Detector Sales by Region

6.1.1 APAC Thermopile Microbolometer Infrared Detector Sales by Region (2019-2024)

6.1.2 APAC Thermopile Microbolometer Infrared Detector Revenue by Region (2019-2024)

6.2 APAC Thermopile Microbolometer Infrared Detector Sales by Type

6.3 APAC Thermopile Microbolometer Infrared Detector Sales by Application

6.4 China

6.5 Japan

- 6.6 South Korea
- 6.7 Southeast Asia
- 6.8 India
- 6.9 Australia
- 6.10 China Taiwan

7 EUROPE

- 7.1 Europe Thermopile Microbolometer Infrared Detector by Country
 - 7.1.1 Europe Thermopile Microbolometer Infrared Detector Sales by Country (2019-2024)
 - 7.1.2 Europe Thermopile Microbolometer Infrared Detector Revenue by Country (2019-2024)
- 7.2 Europe Thermopile Microbolometer Infrared Detector Sales by Type
- 7.3 Europe Thermopile Microbolometer Infrared Detector Sales by Application
- 7.4 Germany
- 7.5 France
- 7.6 UK
- 7.7 Italy
- 7.8 Russia

8 MIDDLE EAST & AFRICA

- 8.1 Middle East & Africa Thermopile Microbolometer Infrared Detector by Country
 - 8.1.1 Middle East & Africa Thermopile Microbolometer Infrared Detector Sales by Country (2019-2024)
 - 8.1.2 Middle East & Africa Thermopile Microbolometer Infrared Detector Revenue by Country (2019-2024)
- 8.2 Middle East & Africa Thermopile Microbolometer Infrared Detector Sales by Type
- 8.3 Middle East & Africa Thermopile Microbolometer Infrared Detector Sales by Application
- 8.4 Egypt
- 8.5 South Africa
- 8.6 Israel
- 8.7 Turkey
- 8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

- 9.1 Market Drivers & Growth Opportunities
- 9.2 Market Challenges & Risks
- 9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

- 10.1 Raw Material and Suppliers
- 10.2 Manufacturing Cost Structure Analysis of Thermopile Microbolometer Infrared Detector
- 10.3 Manufacturing Process Analysis of Thermopile Microbolometer Infrared Detector
- 10.4 Industry Chain Structure of Thermopile Microbolometer Infrared Detector

11 MARKETING, DISTRIBUTORS AND CUSTOMER

- 11.1 Sales Channel
 - 11.1.1 Direct Channels
 - 11.1.2 Indirect Channels
- 11.2 Thermopile Microbolometer Infrared Detector Distributors
- 11.3 Thermopile Microbolometer Infrared Detector Customer

12 WORLD FORECAST REVIEW FOR THERMOPILE MICROBOLOMETER INFRARED DETECTOR BY GEOGRAPHIC REGION

- 12.1 Global Thermopile Microbolometer Infrared Detector Market Size Forecast by Region
 - 12.1.1 Global Thermopile Microbolometer Infrared Detector Forecast by Region (2025-2030)
 - 12.1.2 Global Thermopile Microbolometer Infrared Detector Annual Revenue Forecast by Region (2025-2030)
- 12.2 Americas Forecast by Country
- 12.3 APAC Forecast by Region
- 12.4 Europe Forecast by Country
- 12.5 Middle East & Africa Forecast by Country
- 12.6 Global Thermopile Microbolometer Infrared Detector Forecast by Type
- 12.7 Global Thermopile Microbolometer Infrared Detector Forecast by Application

13 KEY PLAYERS ANALYSIS

- 13.1 Excelitas Technologies

- 13.1.1 Excelitas Technologies Company Information
- 13.1.2 Excelitas Technologies Thermopile Microbolometer Infrared Detector Product Portfolios and Specifications
- 13.1.3 Excelitas Technologies Thermopile Microbolometer Infrared Detector Sales, Revenue, Price and Gross Margin (2019-2024)
- 13.1.4 Excelitas Technologies Main Business Overview
- 13.1.5 Excelitas Technologies Latest Developments
- 13.2 Nippon Ceramic
 - 13.2.1 Nippon Ceramic Company Information
 - 13.2.2 Nippon Ceramic Thermopile Microbolometer Infrared Detector Product Portfolios and Specifications
 - 13.2.3 Nippon Ceramic Thermopile Microbolometer Infrared Detector Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.2.4 Nippon Ceramic Main Business Overview
 - 13.2.5 Nippon Ceramic Latest Developments
- 13.3 Hamamatsu Photonic
 - 13.3.1 Hamamatsu Photonic Company Information
 - 13.3.2 Hamamatsu Photonic Thermopile Microbolometer Infrared Detector Product Portfolios and Specifications
 - 13.3.3 Hamamatsu Photonic Thermopile Microbolometer Infrared Detector Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.3.4 Hamamatsu Photonic Main Business Overview
 - 13.3.5 Hamamatsu Photonic Latest Developments
- 13.4 Murata Manufacturing
 - 13.4.1 Murata Manufacturing Company Information
 - 13.4.2 Murata Manufacturing Thermopile Microbolometer Infrared Detector Product Portfolios and Specifications
 - 13.4.3 Murata Manufacturing Thermopile Microbolometer Infrared Detector Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.4.4 Murata Manufacturing Main Business Overview
 - 13.4.5 Murata Manufacturing Latest Developments
- 13.5 Flir Systems
 - 13.5.1 Flir Systems Company Information
 - 13.5.2 Flir Systems Thermopile Microbolometer Infrared Detector Product Portfolios and Specifications
 - 13.5.3 Flir Systems Thermopile Microbolometer Infrared Detector Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.5.4 Flir Systems Main Business Overview
 - 13.5.5 Flir Systems Latest Developments

13.6 Texas Instruments

13.6.1 Texas Instruments Company Information

13.6.2 Texas Instruments Thermopile Microbolometer Infrared Detector Product Portfolios and Specifications

13.6.3 Texas Instruments Thermopile Microbolometer Infrared Detector Sales, Revenue, Price and Gross Margin (2019-2024)

13.6.4 Texas Instruments Main Business Overview

13.6.5 Texas Instruments Latest Developments

13.7 Sofradir

13.7.1 Sofradir Company Information

13.7.2 Sofradir Thermopile Microbolometer Infrared Detector Product Portfolios and Specifications

13.7.3 Sofradir Thermopile Microbolometer Infrared Detector Sales, Revenue, Price and Gross Margin (2019-2024)

13.7.4 Sofradir Main Business Overview

13.7.5 Sofradir Latest Developments

13.8 Infra TEC GmbH

13.8.1 Infra TEC GmbH Company Information

13.8.2 Infra TEC GmbH Thermopile Microbolometer Infrared Detector Product Portfolios and Specifications

13.8.3 Infra TEC GmbH Thermopile Microbolometer Infrared Detector Sales, Revenue, Price and Gross Margin (2019-2024)

13.8.4 Infra TEC GmbH Main Business Overview

13.8.5 Infra TEC GmbH Latest Developments

13.9 DRS

13.9.1 DRS Company Information

13.9.2 DRS Thermopile Microbolometer Infrared Detector Product Portfolios and Specifications

13.9.3 DRS Thermopile Microbolometer Infrared Detector Sales, Revenue, Price and Gross Margin (2019-2024)

13.9.4 DRS Main Business Overview

13.9.5 DRS Latest Developments

13.10 Zhejiang Dali

13.10.1 Zhejiang Dali Company Information

13.10.2 Zhejiang Dali Thermopile Microbolometer Infrared Detector Product Portfolios and Specifications

13.10.3 Zhejiang Dali Thermopile Microbolometer Infrared Detector Sales, Revenue, Price and Gross Margin (2019-2024)

13.10.4 Zhejiang Dali Main Business Overview

13.10.5 Zhejiang Dali Latest Developments

13.11 IRay Technology

13.11.1 IRay Technology Company Information

13.11.2 IRay Technology Thermopile Microbolometer Infrared Detector Product Portfolios and Specifications

13.11.3 IRay Technology Thermopile Microbolometer Infrared Detector Sales, Revenue, Price and Gross Margin (2019-2024)

13.11.4 IRay Technology Main Business Overview

13.11.5 IRay Technology Latest Developments

13.12 North GuangWei

13.12.1 North GuangWei Company Information

13.12.2 North GuangWei Thermopile Microbolometer Infrared Detector Product Portfolios and Specifications

13.12.3 North GuangWei Thermopile Microbolometer Infrared Detector Sales, Revenue, Price and Gross Margin (2019-2024)

13.12.4 North GuangWei Main Business Overview

13.12.5 North GuangWei Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

- Table 1. Thermopile Microbolometer Infrared Detector Annual Sales CAGR by Geographic Region (2019, 2023 & 2030) & (\$ millions)
- Table 2. Thermopile Microbolometer Infrared Detector Annual Sales CAGR by Country/Region (2019, 2023 & 2030) & (\$ millions)
- Table 3. Major Players of Microbolometer IR Detector
- Table 4. Major Players of Thermopile IR Detector
- Table 5. Major Players of Pyroelectric IR Detector
- Table 6. Global Thermopile Microbolometer Infrared Detector Sales by Type (2019-2024) & (Pcs)
- Table 7. Global Thermopile Microbolometer Infrared Detector Sales Market Share by Type (2019-2024)
- Table 8. Global Thermopile Microbolometer Infrared Detector Revenue by Type (2019-2024) & (\$ million)
- Table 9. Global Thermopile Microbolometer Infrared Detector Revenue Market Share by Type (2019-2024)
- Table 10. Global Thermopile Microbolometer Infrared Detector Sale Price by Type (2019-2024) & (USD/Pcs)
- Table 11. Global Thermopile Microbolometer Infrared Detector Sales by Application (2019-2024) & (Pcs)
- Table 12. Global Thermopile Microbolometer Infrared Detector Sales Market Share by Application (2019-2024)
- Table 13. Global Thermopile Microbolometer Infrared Detector Revenue by Application (2019-2024)
- Table 14. Global Thermopile Microbolometer Infrared Detector Revenue Market Share by Application (2019-2024)
- Table 15. Global Thermopile Microbolometer Infrared Detector Sale Price by Application (2019-2024) & (USD/Pcs)
- Table 16. Global Thermopile Microbolometer Infrared Detector Sales by Company (2019-2024) & (Pcs)
- Table 17. Global Thermopile Microbolometer Infrared Detector Sales Market Share by Company (2019-2024)
- Table 18. Global Thermopile Microbolometer Infrared Detector Revenue by Company (2019-2024) (\$ Millions)
- Table 19. Global Thermopile Microbolometer Infrared Detector Revenue Market Share by Company (2019-2024)

- Table 20. Global Thermopile Microbolometer Infrared Detector Sale Price by Company (2019-2024) & (USD/Pcs)
- Table 21. Key Manufacturers Thermopile Microbolometer Infrared Detector Producing Area Distribution and Sales Area
- Table 22. Players Thermopile Microbolometer Infrared Detector Products Offered
- Table 23. Thermopile Microbolometer Infrared Detector Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)
- Table 24. New Products and Potential Entrants
- Table 25. Mergers & Acquisitions, Expansion
- Table 26. Global Thermopile Microbolometer Infrared Detector Sales by Geographic Region (2019-2024) & (Pcs)
- Table 27. Global Thermopile Microbolometer Infrared Detector Sales Market Share Geographic Region (2019-2024)
- Table 28. Global Thermopile Microbolometer Infrared Detector Revenue by Geographic Region (2019-2024) & (\$ millions)
- Table 29. Global Thermopile Microbolometer Infrared Detector Revenue Market Share by Geographic Region (2019-2024)
- Table 30. Global Thermopile Microbolometer Infrared Detector Sales by Country/Region (2019-2024) & (Pcs)
- Table 31. Global Thermopile Microbolometer Infrared Detector Sales Market Share by Country/Region (2019-2024)
- Table 32. Global Thermopile Microbolometer Infrared Detector Revenue by Country/Region (2019-2024) & (\$ millions)
- Table 33. Global Thermopile Microbolometer Infrared Detector Revenue Market Share by Country/Region (2019-2024)
- Table 34. Americas Thermopile Microbolometer Infrared Detector Sales by Country (2019-2024) & (Pcs)
- Table 35. Americas Thermopile Microbolometer Infrared Detector Sales Market Share by Country (2019-2024)
- Table 36. Americas Thermopile Microbolometer Infrared Detector Revenue by Country (2019-2024) & (\$ Millions)
- Table 37. Americas Thermopile Microbolometer Infrared Detector Revenue Market Share by Country (2019-2024)
- Table 38. Americas Thermopile Microbolometer Infrared Detector Sales by Type (2019-2024) & (Pcs)
- Table 39. Americas Thermopile Microbolometer Infrared Detector Sales by Application (2019-2024) & (Pcs)
- Table 40. APAC Thermopile Microbolometer Infrared Detector Sales by Region (2019-2024) & (Pcs)

Table 41. APAC Thermopile Microbolometer Infrared Detector Sales Market Share by Region (2019-2024)

Table 42. APAC Thermopile Microbolometer Infrared Detector Revenue by Region (2019-2024) & (\$ Millions)

Table 43. APAC Thermopile Microbolometer Infrared Detector Revenue Market Share by Region (2019-2024)

Table 44. APAC Thermopile Microbolometer Infrared Detector Sales by Type (2019-2024) & (Pcs)

Table 45. APAC Thermopile Microbolometer Infrared Detector Sales by Application (2019-2024) & (Pcs)

Table 46. Europe Thermopile Microbolometer Infrared Detector Sales by Country (2019-2024) & (Pcs)

Table 47. Europe Thermopile Microbolometer Infrared Detector Sales Market Share by Country (2019-2024)

Table 48. Europe Thermopile Microbolometer Infrared Detector Revenue by Country (2019-2024) & (\$ Millions)

Table 49. Europe Thermopile Microbolometer Infrared Detector Revenue Market Share by Country (2019-2024)

Table 50. Europe Thermopile Microbolometer Infrared Detector Sales by Type (2019-2024) & (Pcs)

Table 51. Europe Thermopile Microbolometer Infrared Detector Sales by Application (2019-2024) & (Pcs)

Table 52. Middle East & Africa Thermopile Microbolometer Infrared Detector Sales by Country (2019-2024) & (Pcs)

Table 53. Middle East & Africa Thermopile Microbolometer Infrared Detector Sales Market Share by Country (2019-2024)

Table 54. Middle East & Africa Thermopile Microbolometer Infrared Detector Revenue by Country (2019-2024) & (\$ Millions)

Table 55. Middle East & Africa Thermopile Microbolometer Infrared Detector Revenue Market Share by Country (2019-2024)

Table 56. Middle East & Africa Thermopile Microbolometer Infrared Detector Sales by Type (2019-2024) & (Pcs)

Table 57. Middle East & Africa Thermopile Microbolometer Infrared Detector Sales by Application (2019-2024) & (Pcs)

Table 58. Key Market Drivers & Growth Opportunities of Thermopile Microbolometer Infrared Detector

Table 59. Key Market Challenges & Risks of Thermopile Microbolometer Infrared Detector

Table 60. Key Industry Trends of Thermopile Microbolometer Infrared Detector

- Table 61. Thermopile Microbolometer Infrared Detector Raw Material
- Table 62. Key Suppliers of Raw Materials
- Table 63. Thermopile Microbolometer Infrared Detector Distributors List
- Table 64. Thermopile Microbolometer Infrared Detector Customer List
- Table 65. Global Thermopile Microbolometer Infrared Detector Sales Forecast by Region (2025-2030) & (Pcs)
- Table 66. Global Thermopile Microbolometer Infrared Detector Revenue Forecast by Region (2025-2030) & (\$ millions)
- Table 67. Americas Thermopile Microbolometer Infrared Detector Sales Forecast by Country (2025-2030) & (Pcs)
- Table 68. Americas Thermopile Microbolometer Infrared Detector Revenue Forecast by Country (2025-2030) & (\$ millions)
- Table 69. APAC Thermopile Microbolometer Infrared Detector Sales Forecast by Region (2025-2030) & (Pcs)
- Table 70. APAC Thermopile Microbolometer Infrared Detector Revenue Forecast by Region (2025-2030) & (\$ millions)
- Table 71. Europe Thermopile Microbolometer Infrared Detector Sales Forecast by Country (2025-2030) & (Pcs)
- Table 72. Europe Thermopile Microbolometer Infrared Detector Revenue Forecast by Country (2025-2030) & (\$ millions)
- Table 73. Middle East & Africa Thermopile Microbolometer Infrared Detector Sales Forecast by Country (2025-2030) & (Pcs)
- Table 74. Middle East & Africa Thermopile Microbolometer Infrared Detector Revenue Forecast by Country (2025-2030) & (\$ millions)
- Table 75. Global Thermopile Microbolometer Infrared Detector Sales Forecast by Type (2025-2030) & (Pcs)
- Table 76. Global Thermopile Microbolometer Infrared Detector Revenue Forecast by Type (2025-2030) & (\$ Millions)
- Table 77. Global Thermopile Microbolometer Infrared Detector Sales Forecast by Application (2025-2030) & (Pcs)
- Table 78. Global Thermopile Microbolometer Infrared Detector Revenue Forecast by Application (2025-2030) & (\$ Millions)
- Table 79. Excelitas Technologies Basic Information, Thermopile Microbolometer Infrared Detector Manufacturing Base, Sales Area and Its Competitors
- Table 80. Excelitas Technologies Thermopile Microbolometer Infrared Detector Product Portfolios and Specifications
- Table 81. Excelitas Technologies Thermopile Microbolometer Infrared Detector Sales (Pcs), Revenue (\$ Million), Price (USD/Pcs) and Gross Margin (2019-2024)
- Table 82. Excelitas Technologies Main Business

- Table 83. Excelitas Technologies Latest Developments
- Table 84. Nippon Ceramic Basic Information, Thermopile Microbolometer Infrared Detector Manufacturing Base, Sales Area and Its Competitors
- Table 85. Nippon Ceramic Thermopile Microbolometer Infrared Detector Product Portfolios and Specifications
- Table 86. Nippon Ceramic Thermopile Microbolometer Infrared Detector Sales (Pcs), Revenue (\$ Million), Price (USD/Pcs) and Gross Margin (2019-2024)
- Table 87. Nippon Ceramic Main Business
- Table 88. Nippon Ceramic Latest Developments
- Table 89. Hamamatsu Photonic Basic Information, Thermopile Microbolometer Infrared Detector Manufacturing Base, Sales Area and Its Competitors
- Table 90. Hamamatsu Photonic Thermopile Microbolometer Infrared Detector Product Portfolios and Specifications
- Table 91. Hamamatsu Photonic Thermopile Microbolometer Infrared Detector Sales (Pcs), Revenue (\$ Million), Price (USD/Pcs) and Gross Margin (2019-2024)
- Table 92. Hamamatsu Photonic Main Business
- Table 93. Hamamatsu Photonic Latest Developments
- Table 94. Murata Manufacturing Basic Information, Thermopile Microbolometer Infrared Detector Manufacturing Base, Sales Area and Its Competitors
- Table 95. Murata Manufacturing Thermopile Microbolometer Infrared Detector Product Portfolios and Specifications
- Table 96. Murata Manufacturing Thermopile Microbolometer Infrared Detector Sales (Pcs), Revenue (\$ Million), Price (USD/Pcs) and Gross Margin (2019-2024)
- Table 97. Murata Manufacturing Main Business
- Table 98. Murata Manufacturing Latest Developments
- Table 99. Flir Systems Basic Information, Thermopile Microbolometer Infrared Detector Manufacturing Base, Sales Area and Its Competitors
- Table 100. Flir Systems Thermopile Microbolometer Infrared Detector Product Portfolios and Specifications
- Table 101. Flir Systems Thermopile Microbolometer Infrared Detector Sales (Pcs), Revenue (\$ Million), Price (USD/Pcs) and Gross Margin (2019-2024)
- Table 102. Flir Systems Main Business
- Table 103. Flir Systems Latest Developments
- Table 104. Texas Instruments Basic Information, Thermopile Microbolometer Infrared Detector Manufacturing Base, Sales Area and Its Competitors
- Table 105. Texas Instruments Thermopile Microbolometer Infrared Detector Product Portfolios and Specifications
- Table 106. Texas Instruments Thermopile Microbolometer Infrared Detector Sales (Pcs), Revenue (\$ Million), Price (USD/Pcs) and Gross Margin (2019-2024)

- Table 107. Texas Instruments Main Business
- Table 108. Texas Instruments Latest Developments
- Table 109. Sofradir Basic Information, Thermopile Microbolometer Infrared Detector Manufacturing Base, Sales Area and Its Competitors
- Table 110. Sofradir Thermopile Microbolometer Infrared Detector Product Portfolios and Specifications
- Table 111. Sofradir Thermopile Microbolometer Infrared Detector Sales (Pcs), Revenue (\$ Million), Price (USD/Pcs) and Gross Margin (2019-2024)
- Table 112. Sofradir Main Business
- Table 113. Sofradir Latest Developments
- Table 114. Infra TEC GmbH Basic Information, Thermopile Microbolometer Infrared Detector Manufacturing Base, Sales Area and Its Competitors
- Table 115. Infra TEC GmbH Thermopile Microbolometer Infrared Detector Product Portfolios and Specifications
- Table 116. Infra TEC GmbH Thermopile Microbolometer Infrared Detector Sales (Pcs), Revenue (\$ Million), Price (USD/Pcs) and Gross Margin (2019-2024)
- Table 117. Infra TEC GmbH Main Business
- Table 118. Infra TEC GmbH Latest Developments
- Table 119. DRS Basic Information, Thermopile Microbolometer Infrared Detector Manufacturing Base, Sales Area and Its Competitors
- Table 120. DRS Thermopile Microbolometer Infrared Detector Product Portfolios and Specifications
- Table 121. DRS Thermopile Microbolometer Infrared Detector Sales (Pcs), Revenue (\$ Million), Price (USD/Pcs) and Gross Margin (2019-2024)
- Table 122. DRS Main Business
- Table 123. DRS Latest Developments
- Table 124. Zhejiang Dali Basic Information, Thermopile Microbolometer Infrared Detector Manufacturing Base, Sales Area and Its Competitors
- Table 125. Zhejiang Dali Thermopile Microbolometer Infrared Detector Product Portfolios and Specifications
- Table 126. Zhejiang Dali Thermopile Microbolometer Infrared Detector Sales (Pcs), Revenue (\$ Million), Price (USD/Pcs) and Gross Margin (2019-2024)
- Table 127. Zhejiang Dali Main Business
- Table 128. Zhejiang Dali Latest Developments
- Table 129. IRay Technology Basic Information, Thermopile Microbolometer Infrared Detector Manufacturing Base, Sales Area and Its Competitors
- Table 130. IRay Technology Thermopile Microbolometer Infrared Detector Product Portfolios and Specifications
- Table 131. IRay Technology Thermopile Microbolometer Infrared Detector Sales (Pcs),

Revenue (\$ Million), Price (USD/Pcs) and Gross Margin (2019-2024)

Table 132. IRay Technology Main Business

Table 133. IRay Technology Latest Developments

Table 134. North GuangWei Basic Information, Thermopile Microbolometer Infrared Detector Manufacturing Base, Sales Area and Its Competitors

Table 135. North GuangWei Thermopile Microbolometer Infrared Detector Product Portfolios and Specifications

Table 136. North GuangWei Thermopile Microbolometer Infrared Detector Sales (Pcs), Revenue (\$ Million), Price (USD/Pcs) and Gross Margin (2019-2024)

Table 137. North GuangWei Main Business

Table 138. North GuangWei Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Thermopile Microbolometer Infrared Detector
- Figure 2. Thermopile Microbolometer Infrared Detector Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Thermopile Microbolometer Infrared Detector Sales Growth Rate 2019-2030 (Pcs)
- Figure 7. Global Thermopile Microbolometer Infrared Detector Revenue Growth Rate 2019-2030 (\$ Millions)
- Figure 8. Thermopile Microbolometer Infrared Detector Sales by Region (2019, 2023 & 2030) & (\$ Millions)
- Figure 9. Product Picture of Microbolometer IR Detector
- Figure 10. Product Picture of Thermopile IR Detector
- Figure 11. Product Picture of Pyroelectric IR Detector
- Figure 12. Global Thermopile Microbolometer Infrared Detector Sales Market Share by Type in 2023
- Figure 13. Global Thermopile Microbolometer Infrared Detector Revenue Market Share by Type (2019-2024)
- Figure 14. Thermopile Microbolometer Infrared Detector Consumed in Military and Defense
- Figure 15. Global Thermopile Microbolometer Infrared Detector Market: Military and Defense (2019-2024) & (Pcs)
- Figure 16. Thermopile Microbolometer Infrared Detector Consumed in Automotive
- Figure 17. Global Thermopile Microbolometer Infrared Detector Market: Automotive (2019-2024) & (Pcs)
- Figure 18. Thermopile Microbolometer Infrared Detector Consumed in Smart Home
- Figure 19. Global Thermopile Microbolometer Infrared Detector Market: Smart Home (2019-2024) & (Pcs)
- Figure 20. Thermopile Microbolometer Infrared Detector Consumed in Medicine
- Figure 21. Global Thermopile Microbolometer Infrared Detector Market: Medicine (2019-2024) & (Pcs)
- Figure 22. Thermopile Microbolometer Infrared Detector Consumed in Others
- Figure 23. Global Thermopile Microbolometer Infrared Detector Market: Others (2019-2024) & (Pcs)
- Figure 24. Global Thermopile Microbolometer Infrared Detector Sales Market Share by

Application (2023)

Figure 25. Global Thermopile Microbolometer Infrared Detector Revenue Market Share by Application in 2023

Figure 26. Thermopile Microbolometer Infrared Detector Sales Market by Company in 2023 (Pcs)

Figure 27. Global Thermopile Microbolometer Infrared Detector Sales Market Share by Company in 2023

Figure 28. Thermopile Microbolometer Infrared Detector Revenue Market by Company in 2023 (\$ Million)

Figure 29. Global Thermopile Microbolometer Infrared Detector Revenue Market Share by Company in 2023

Figure 30. Global Thermopile Microbolometer Infrared Detector Sales Market Share by Geographic Region (2019-2024)

Figure 31. Global Thermopile Microbolometer Infrared Detector Revenue Market Share by Geographic Region in 2023

Figure 32. Americas Thermopile Microbolometer Infrared Detector Sales 2019-2024 (Pcs)

Figure 33. Americas Thermopile Microbolometer Infrared Detector Revenue 2019-2024 (\$ Millions)

Figure 34. APAC Thermopile Microbolometer Infrared Detector Sales 2019-2024 (Pcs)

Figure 35. APAC Thermopile Microbolometer Infrared Detector Revenue 2019-2024 (\$ Millions)

Figure 36. Europe Thermopile Microbolometer Infrared Detector Sales 2019-2024 (Pcs)

Figure 37. Europe Thermopile Microbolometer Infrared Detector Revenue 2019-2024 (\$ Millions)

Figure 38. Middle East & Africa Thermopile Microbolometer Infrared Detector Sales 2019-2024 (Pcs)

Figure 39. Middle East & Africa Thermopile Microbolometer Infrared Detector Revenue 2019-2024 (\$ Millions)

Figure 40. Americas Thermopile Microbolometer Infrared Detector Sales Market Share by Country in 2023

Figure 41. Americas Thermopile Microbolometer Infrared Detector Revenue Market Share by Country in 2023

Figure 42. Americas Thermopile Microbolometer Infrared Detector Sales Market Share by Type (2019-2024)

Figure 43. Americas Thermopile Microbolometer Infrared Detector Sales Market Share by Application (2019-2024)

Figure 44. United States Thermopile Microbolometer Infrared Detector Revenue Growth 2019-2024 (\$ Millions)

Figure 45. Canada Thermopile Microbolometer Infrared Detector Revenue Growth 2019-2024 (\$ Millions)

Figure 46. Mexico Thermopile Microbolometer Infrared Detector Revenue Growth 2019-2024 (\$ Millions)

Figure 47. Brazil Thermopile Microbolometer Infrared Detector Revenue Growth 2019-2024 (\$ Millions)

Figure 48. APAC Thermopile Microbolometer Infrared Detector Sales Market Share by Region in 2023

Figure 49. APAC Thermopile Microbolometer Infrared Detector Revenue Market Share by Regions in 2023

Figure 50. APAC Thermopile Microbolometer Infrared Detector Sales Market Share by Type (2019-2024)

Figure 51. APAC Thermopile Microbolometer Infrared Detector Sales Market Share by Application (2019-2024)

Figure 52. China Thermopile Microbolometer Infrared Detector Revenue Growth 2019-2024 (\$ Millions)

Figure 53. Japan Thermopile Microbolometer Infrared Detector Revenue Growth 2019-2024 (\$ Millions)

Figure 54. South Korea Thermopile Microbolometer Infrared Detector Revenue Growth 2019-2024 (\$ Millions)

Figure 55. Southeast Asia Thermopile Microbolometer Infrared Detector Revenue Growth 2019-2024 (\$ Millions)

Figure 56. India Thermopile Microbolometer Infrared Detector Revenue Growth 2019-2024 (\$ Millions)

Figure 57. Australia Thermopile Microbolometer Infrared Detector Revenue Growth 2019-2024 (\$ Millions)

Figure 58. China Taiwan Thermopile Microbolometer Infrared Detector Revenue Growth 2019-2024 (\$ Millions)

Figure 59. Europe Thermopile Microbolometer Infrared Detector Sales Market Share by Country in 2023

Figure 60. Europe Thermopile Microbolometer Infrared Detector Revenue Market Share by Country in 2023

Figure 61. Europe Thermopile Microbolometer Infrared Detector Sales Market Share by Type (2019-2024)

Figure 62. Europe Thermopile Microbolometer Infrared Detector Sales Market Share by Application (2019-2024)

Figure 63. Germany Thermopile Microbolometer Infrared Detector Revenue Growth 2019-2024 (\$ Millions)

Figure 64. France Thermopile Microbolometer Infrared Detector Revenue Growth

2019-2024 (\$ Millions)

Figure 65. UK Thermopile Microbolometer Infrared Detector Revenue Growth

2019-2024 (\$ Millions)

Figure 66. Italy Thermopile Microbolometer Infrared Detector Revenue Growth

2019-2024 (\$ Millions)

Figure 67. Russia Thermopile Microbolometer Infrared Detector Revenue Growth

2019-2024 (\$ Millions)

Figure 68. Middle East & Africa Thermopile Microbolometer Infrared Detector Sales Market Share by Country in 2023

Figure 69. Middle East & Africa Thermopile Microbolometer Infrared Detector Revenue Market Share by Country in 2023

Figure 70. Middle East & Africa Thermopile Microbolometer Infrared Detector Sales Market Share by Type (2019-2024)

Figure 71. Middle East & Africa Thermopile Microbolometer Infrared Detector Sales Market Share by Application (2019-2024)

Figure 72. Egypt Thermopile Microbolometer Infrared Detector Revenue Growth 2019-2024 (\$ Millions)

Figure 73. South Africa Thermopile Microbolometer Infrared Detector Revenue Growth 2019-2024 (\$ Millions)

Figure 74. Israel Thermopile Microbolometer Infrared Detector Revenue Growth 2019-2024 (\$ Millions)

Figure 75. Turkey Thermopile Microbolometer Infrared Detector Revenue Growth 2019-2024 (\$ Millions)

Figure 76. GCC Country Thermopile Microbolometer Infrared Detector Revenue Growth 2019-2024 (\$ Millions)

Figure 77. Manufacturing Cost Structure Analysis of Thermopile Microbolometer Infrared Detector in 2023

Figure 78. Manufacturing Process Analysis of Thermopile Microbolometer Infrared Detector

Figure 79. Industry Chain Structure of Thermopile Microbolometer Infrared Detector

Figure 80. Channels of Distribution

Figure 81. Global Thermopile Microbolometer Infrared Detector Sales Market Forecast by Region (2025-2030)

Figure 82. Global Thermopile Microbolometer Infrared Detector Revenue Market Share Forecast by Region (2025-2030)

Figure 83. Global Thermopile Microbolometer Infrared Detector Sales Market Share Forecast by Type (2025-2030)

Figure 84. Global Thermopile Microbolometer Infrared Detector Revenue Market Share Forecast by Type (2025-2030)

Figure 85. Global Thermopile Microbolometer Infrared Detector Sales Market Share Forecast by Application (2025-2030)

Figure 86. Global Thermopile Microbolometer Infrared Detector Revenue Market Share Forecast by Application (2025-2030)

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