

Global Thermopile Microbolometer Infrared Detector Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G6E6501B1622EN.html>

Date: January 2026

Pages: 124

Price: US\$ 4,480.00 (Single User License)

ID: G6E6501B1622EN

Abstracts

The global Thermopile Microbolometer Infrared Detector market size is expected to reach \$ 6787 million by 2032, rising at a market growth of 9.2% CAGR during the forecast period (2026-2032).

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%.

This report studies the global Thermopile Microbolometer Infrared Detector production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Thermopile Microbolometer Infrared Detector and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Thermopile Microbolometer Infrared Detector that contribute to its increasing demand across many

markets.

Highlights and key features of the study

Global Thermopile Microbolometer Infrared Detector total production and demand, 2021-2032, (Pcs)

Global Thermopile Microbolometer Infrared Detector total production value, 2021-2032, (USD Million)

Global Thermopile Microbolometer Infrared Detector production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Pcs), (based on production site)

Global Thermopile Microbolometer Infrared Detector consumption by region & country, CAGR, 2021-2032 & (Pcs)

U.S. VS China: Thermopile Microbolometer Infrared Detector domestic production, consumption, key domestic manufacturers and share

Global Thermopile Microbolometer Infrared Detector production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Pcs)

Global Thermopile Microbolometer Infrared Detector production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Pcs)

Global Thermopile Microbolometer Infrared Detector production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Pcs)

This report profiles key players in the global Thermopile Microbolometer Infrared Detector market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Excelitas Technologies, Nippon Ceramic, Hamamatsu Photonic, Murata Manufacturing, Flir Systems, Texas Instruments, Sofradir, Infra TEC GmbH, DRS, Zhejiang Dali, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Thermopile Microbolometer Infrared Detector market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$

Millions), volume (production, consumption) & (Pcs) and average price (USD/Pcs) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Thermopile Microbolometer Infrared Detector Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Thermopile Microbolometer Infrared Detector Market, Segmentation by Type:

Microbolometer IR Detector

Thermopile IR Detector

Pyroelectric IR Detector

Global Thermopile Microbolometer Infrared Detector Market, Segmentation by Application:

Military and Defense

Automotive

Smart Home

Medicine

Others

Companies Profiled:

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 Answered:

1. How big is the global Thermopile Microbolometer Infrared Detector market?
2. What is the demand of the global Thermopile Microbolometer Infrared Detector market?

3. What is the year over year growth of the global Thermopile Microbolometer Infrared Detector market?
4. What is the production and production value of the global Thermopile Microbolometer Infrared Detector market?
5. Who are the key producers in the global Thermopile Microbolometer Infrared Detector market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 SCADA Introduction
- 1.2 World SCADA Market Size & Forecast (2021 & 2025 & 2032)
- 1.3 World SCADA Total Market by Region (by Headquarter Location)
 - 1.3.1 World SCADA Market Size by Region (2021-2032), (by Headquarter Location)
 - 1.3.2 United States Based Company SCADA Revenue (2021-2032)
 - 1.3.3 China Based Company SCADA Revenue (2021-2032)
 - 1.3.4 Europe Based Company SCADA Revenue (2021-2032)
 - 1.3.5 Japan Based Company SCADA Revenue (2021-2032)
 - 1.3.6 South Korea Based Company SCADA Revenue (2021-2032)
 - 1.3.7 ASEAN Based Company SCADA Revenue (2021-2032)
 - 1.3.8 India Based Company SCADA Revenue (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 SCADA Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Major Market Trends

2 DEMAND SUMMARY

- 2.1 World SCADA Consumption Value (2021-2032)
- 2.2 World SCADA Consumption Value by Region
 - 2.2.1 World SCADA Consumption Value by Region (2021-2026)
 - 2.2.2 World SCADA Consumption Value Forecast by Region (2027-2032)
- 2.3 United States SCADA Consumption Value (2021-2032)
- 2.4 China SCADA Consumption Value (2021-2032)
- 2.5 Europe SCADA Consumption Value (2021-2032)
- 2.6 Japan SCADA Consumption Value (2021-2032)
- 2.7 South Korea SCADA Consumption Value (2021-2032)
- 2.8 ASEAN SCADA Consumption Value (2021-2032)
- 2.9 India SCADA Consumption Value (2021-2032)

3 WORLD SCADA COMPANIES COMPETITIVE ANALYSIS

- 3.1 World SCADA Revenue by Player (2021-2026)
- 3.2 Industry Rank and Concentration Rate (CR)
 - 3.2.1 Global SCADA Industry Rank of Major Players

- 3.2.2 Global Concentration Ratios (CR4) for SCADA in 2025
- 3.2.3 Global Concentration Ratios (CR8) for SCADA in 2025
- 3.3 SCADA Company Evaluation Quadrant
- 3.4 SCADA Market: Overall Company Footprint Analysis
 - 3.4.1 SCADA Market: Region Footprint
 - 3.4.2 SCADA Market: Company Product Type Footprint
 - 3.4.3 SCADA Market: Company Product Application Footprint
- 3.5 Competitive Environment
 - 3.5.1 Historical Structure of the Industry
 - 3.5.2 Barriers of Market Entry
 - 3.5.3 Factors of Competition
- 3.6 Mergers & Acquisitions Activity

4 UNITED STATES VS CHINA VS REST OF WORLD (BY HEADQUARTER LOCATION)

- 4.1 United States VS China: SCADA Revenue Comparison (by Headquarter Location)
 - 4.1.1 United States VS China: SCADA Revenue Comparison (2021 & 2025 & 2032) (by Headquarter Location)
 - 4.1.2 United States VS China: SCADA Revenue Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States Based Companies VS China Based Companies: SCADA Consumption Value Comparison
 - 4.2.1 United States VS China: SCADA Consumption Value Comparison (2021 & 2025 & 2032)
 - 4.2.2 United States VS China: SCADA Consumption Value Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States Based SCADA Companies and Market Share, 2021-2026
 - 4.3.1 United States Based SCADA Companies, Headquarters (States, Country)
 - 4.3.2 United States Based Companies SCADA Revenue, (2021-2026)
- 4.4 China Based Companies SCADA Revenue and Market Share, 2021-2026
 - 4.4.1 China Based SCADA Companies, Company Headquarters (Province, Country)
 - 4.4.2 China Based Companies SCADA Revenue, (2021-2026)
- 4.5 Rest of World Based SCADA Companies and Market Share, 2021-2026
 - 4.5.1 Rest of World Based SCADA Companies, Headquarters (Province, Country)
 - 4.5.2 Rest of World Based Companies SCADA Revenue (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World SCADA Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Hardware

5.2.2 Software

5.2.3 Services

5.3 Market Segment by Type

5.3.1 World SCADA Market Size by Type (2021-2026)

5.3.2 World SCADA Market Size by Type (2027-2032)

5.3.3 World SCADA Market Size Market Share by Type (2027-2032)

6 MARKET ANALYSIS BY APPLICATION

6.1 World SCADA Market Size Overview by Application: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Application

6.2.1 Power & Energy

6.2.2 Oil & Gas Industry

6.2.3 Water & Waste Control

6.2.4 Telecommunications

6.2.5 Transportation

6.2.6 Manufacturing Industry

6.2.7 Others

6.3 Market Segment by Application

6.3.1 World SCADA Market Size by Application (2021-2026)

6.3.2 World SCADA Market Size by Application (2027-2032)

6.3.3 World SCADA Market Size Market Share by Application (2021-2032)

7 COMPANY PROFILES

7.1 Schneider Electric SE (France)

7.1.1 Schneider Electric SE (France) Details

7.1.2 Schneider Electric SE (France) Major Business

7.1.3 Schneider Electric SE (France) SCADA Product and Services

7.1.4 Schneider Electric SE (France) SCADA Revenue, Gross Margin and Market Share (2021-2026)

7.1.5 Schneider Electric SE (France) Recent Developments/Updates

7.1.6 Schneider Electric SE (France) Competitive Strengths & Weaknesses

7.2 ABB (Switzerland)

7.2.1 ABB (Switzerland) Details

7.2.2 ABB (Switzerland) Major Business

- 7.2.3 ABB (Switzerland) SCADA Product and Services
- 7.2.4 ABB (Switzerland) SCADA Revenue, Gross Margin and Market Share (2021-2026)
- 7.2.5 ABB (Switzerland) Recent Developments/Updates
- 7.2.6 ABB (Switzerland) Competitive Strengths & Weaknesses
- 7.3 Siemens AG (Germany)
 - 7.3.1 Siemens AG (Germany) Details
 - 7.3.2 Siemens AG (Germany) Major Business
 - 7.3.3 Siemens AG (Germany) SCADA Product and Services
 - 7.3.4 Siemens AG (Germany) SCADA Revenue, Gross Margin and Market Share (2021-2026)
 - 7.3.5 Siemens AG (Germany) Recent Developments/Updates
 - 7.3.6 Siemens AG (Germany) Competitive Strengths & Weaknesses
- 7.4 Emerson (US)
 - 7.4.1 Emerson (US) Details
 - 7.4.2 Emerson (US) Major Business
 - 7.4.3 Emerson (US) SCADA Product and Services
 - 7.4.4 Emerson (US) SCADA Revenue, Gross Margin and Market Share (2021-2026)
 - 7.4.5 Emerson (US) Recent Developments/Updates
 - 7.4.6 Emerson (US) Competitive Strengths & Weaknesses
- 7.5 Rockwell Automation Inc. (US)
 - 7.5.1 Rockwell Automation Inc. (US) Details
 - 7.5.2 Rockwell Automation Inc. (US) Major Business
 - 7.5.3 Rockwell Automation Inc. (US) SCADA Product and Services
 - 7.5.4 Rockwell Automation Inc. (US) SCADA Revenue, Gross Margin and Market Share (2021-2026)
 - 7.5.5 Rockwell Automation Inc. (US) Recent Developments/Updates
 - 7.5.6 Rockwell Automation Inc. (US) Competitive Strengths & Weaknesses
- 7.6 Honeywell International Inc. (US)
 - 7.6.1 Honeywell International Inc. (US) Details
 - 7.6.2 Honeywell International Inc. (US) Major Business
 - 7.6.3 Honeywell International Inc. (US) SCADA Product and Services
 - 7.6.4 Honeywell International Inc. (US) SCADA Revenue, Gross Margin and Market Share (2021-2026)
 - 7.6.5 Honeywell International Inc. (US) Recent Developments/Updates
 - 7.6.6 Honeywell International Inc. (US) Competitive Strengths & Weaknesses
- 7.7 Mitsubishi Electric (Japan)
 - 7.7.1 Mitsubishi Electric (Japan) Details
 - 7.7.2 Mitsubishi Electric (Japan) Major Business

- 7.7.3 Mitsubishi Electric (Japan) SCADA Product and Services
- 7.7.4 Mitsubishi Electric (Japan) SCADA Revenue, Gross Margin and Market Share (2021-2026)
- 7.7.5 Mitsubishi Electric (Japan) Recent Developments/Updates
- 7.7.6 Mitsubishi Electric (Japan) Competitive Strengths & Weaknesses
- 7.8 Omron Corporation (Japan)
 - 7.8.1 Omron Corporation (Japan) Details
 - 7.8.2 Omron Corporation (Japan) Major Business
 - 7.8.3 Omron Corporation (Japan) SCADA Product and Services
 - 7.8.4 Omron Corporation (Japan) SCADA Revenue, Gross Margin and Market Share (2021-2026)
 - 7.8.5 Omron Corporation (Japan) Recent Developments/Updates
 - 7.8.6 Omron Corporation (Japan) Competitive Strengths & Weaknesses
- 7.9 General Electric Co. (US)
 - 7.9.1 General Electric Co. (US) Details
 - 7.9.2 General Electric Co. (US) Major Business
 - 7.9.3 General Electric Co. (US) SCADA Product and Services
 - 7.9.4 General Electric Co. (US) SCADA Revenue, Gross Margin and Market Share (2021-2026)
 - 7.9.5 General Electric Co. (US) Recent Developments/Updates
 - 7.9.6 General Electric Co. (US) Competitive Strengths & Weaknesses
- 7.10 Yokogawa Electric Corporation (Japan)
 - 7.10.1 Yokogawa Electric Corporation (Japan) Details
 - 7.10.2 Yokogawa Electric Corporation (Japan) Major Business
 - 7.10.3 Yokogawa Electric Corporation (Japan) SCADA Product and Services
 - 7.10.4 Yokogawa Electric Corporation (Japan) SCADA Revenue, Gross Margin and Market Share (2021-2026)
 - 7.10.5 Yokogawa Electric Corporation (Japan) Recent Developments/Updates
 - 7.10.6 Yokogawa Electric Corporation (Japan) Competitive Strengths & Weaknesses
- 7.11 Larsen & Toubro (India)
 - 7.11.1 Larsen & Toubro (India) Details
 - 7.11.2 Larsen & Toubro (India) Major Business
 - 7.11.3 Larsen & Toubro (India) SCADA Product and Services
 - 7.11.4 Larsen & Toubro (India) SCADA Revenue, Gross Margin and Market Share (2021-2026)
 - 7.11.5 Larsen & Toubro (India) Recent Developments/Updates
 - 7.11.6 Larsen & Toubro (India) Competitive Strengths & Weaknesses
- 7.12 M.B. Control & Systems Pvt. Ltd (India)
 - 7.12.1 M.B. Control & Systems Pvt. Ltd (India) Details

- 7.12.2 M.B. Control & Systems Pvt. Ltd (India) Major Business
- 7.12.3 M.B. Control & Systems Pvt. Ltd (India) SCADA Product and Services
- 7.12.4 M.B. Control & Systems Pvt. Ltd (India) SCADA Revenue, Gross Margin and Market Share (2021-2026)
- 7.12.5 M.B. Control & Systems Pvt. Ltd (India) Recent Developments/Updates
- 7.12.6 M.B. Control & Systems Pvt. Ltd (India) Competitive Strengths & Weaknesses

8 INDUSTRY CHAIN ANALYSIS

- 8.1 SCADA Industry Chain
- 8.2 SCADA Upstream Analysis
- 8.3 SCADA Midstream Analysis
- 8.4 SCADA Downstream Analysis

9 RESEARCH FINDINGS AND CONCLUSION

10 APPENDIX

- 10.1 Methodology
- 10.2 Research Process and Data Source
- 10.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Thermopile Microbolometer Infrared Detector Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Thermopile Microbolometer Infrared Detector Production Value by Region (2021-2026) & (USD Million)

Table 3. World Thermopile Microbolometer Infrared Detector Production Value by Region (2027-2032) & (USD Million)

Table 4. World Thermopile Microbolometer Infrared Detector Production Value Market Share by Region (2021-2026)

Table 5. World Thermopile Microbolometer Infrared Detector Production Value Market Share by Region (2027-2032)

Table 6. World Thermopile Microbolometer Infrared Detector Production by Region (2021-2026) & (Pcs)

Table 7. World Thermopile Microbolometer Infrared Detector Production by Region (2027-2032) & (Pcs)

Table 8. World Thermopile Microbolometer Infrared Detector Production Market Share by Region (2021-2026)

Table 9. World Thermopile Microbolometer Infrared Detector Production Market Share by Region (2027-2032)

Table 10. World Thermopile Microbolometer Infrared Detector Average Price by Region (2021-2026) & (USD/Pcs)

Table 11. World Thermopile Microbolometer Infrared Detector Average Price by Region (2027-2032) & (USD/Pcs)

Table 12. Thermopile Microbolometer Infrared Detector Major Market Trends

Table 13. World Thermopile Microbolometer Infrared Detector Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Pcs)

Table 14. World Thermopile Microbolometer Infrared Detector Consumption by Region (2021-2026) & (Pcs)

Table 15. World Thermopile Microbolometer Infrared Detector Consumption Forecast by Region (2027-2032) & (Pcs)

Table 16. World Thermopile Microbolometer Infrared Detector Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Thermopile Microbolometer Infrared Detector Producers in 2025

Table 18. World Thermopile Microbolometer Infrared Detector Production by Manufacturer (2021-2026) & (Pcs)

Table 19. Production Market Share of Key Thermopile Microbolometer Infrared Detector Producers in 2025

Table 20. World Thermopile Microbolometer Infrared Detector Average Price by Manufacturer (2021-2026) & (USD/Pcs)

Table 21. Global Thermopile Microbolometer Infrared Detector Company Evaluation Quadrant

Table 22. World Thermopile Microbolometer Infrared Detector Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Thermopile Microbolometer Infrared Detector Production Site of Key Manufacturer

Table 24. Thermopile Microbolometer Infrared Detector Market: Company Product Type Footprint

Table 25. Thermopile Microbolometer Infrared Detector Market: Company Product Application Footprint

Table 26. Thermopile Microbolometer Infrared Detector Competitive Factors

Table 27. Thermopile Microbolometer Infrared Detector New Entrant and Capacity Expansion Plans

Table 28. Thermopile Microbolometer Infrared Detector Mergers & Acquisitions Activity

Table 29. United States VS China Thermopile Microbolometer Infrared Detector Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Thermopile Microbolometer Infrared Detector Production Comparison, (2021 & 2025 & 2032) & (Pcs)

Table 31. United States VS China Thermopile Microbolometer Infrared Detector Consumption Comparison, (2021 & 2025 & 2032) & (Pcs)

Table 32. United States Based Thermopile Microbolometer Infrared Detector Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Thermopile Microbolometer Infrared Detector Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Thermopile Microbolometer Infrared Detector Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Thermopile Microbolometer Infrared Detector Production (2021-2026) & (Pcs)

Table 36. United States Based Manufacturers Thermopile Microbolometer Infrared Detector Production Market Share (2021-2026)

Table 37. China Based Thermopile Microbolometer Infrared Detector Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Thermopile Microbolometer Infrared Detector Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Thermopile Microbolometer Infrared Detector

Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Thermopile Microbolometer Infrared Detector Production, (2021-2026) & (Pcs)

Table 41. China Based Manufacturers Thermopile Microbolometer Infrared Detector Production Market Share (2021-2026)

Table 42. Rest of World Based Thermopile Microbolometer Infrared Detector Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Thermopile Microbolometer Infrared Detector Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Thermopile Microbolometer Infrared Detector Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Thermopile Microbolometer Infrared Detector Production, (2021-2026) & (Pcs)

Table 46. Rest of World Based Manufacturers Thermopile Microbolometer Infrared Detector Production Market Share (2021-2026)

Table 47. World Thermopile Microbolometer Infrared Detector Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Thermopile Microbolometer Infrared Detector Production by Type (2021-2026) & (Pcs)

Table 49. World Thermopile Microbolometer Infrared Detector Production by Type (2027-2032) & (Pcs)

Table 50. World Thermopile Microbolometer Infrared Detector Production Value by Type (2021-2026) & (USD Million)

Table 51. World Thermopile Microbolometer Infrared Detector Production Value by Type (2027-2032) & (USD Million)

Table 52. World Thermopile Microbolometer Infrared Detector Average Price by Type (2021-2026) & (USD/Pcs)

Table 53. World Thermopile Microbolometer Infrared Detector Average Price by Type (2027-2032) & (USD/Pcs)

Table 54. World Thermopile Microbolometer Infrared Detector Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 55. World Thermopile Microbolometer Infrared Detector Production by Application (2021-2026) & (Pcs)

Table 56. World Thermopile Microbolometer Infrared Detector Production by Application (2027-2032) & (Pcs)

Table 57. World Thermopile Microbolometer Infrared Detector Production Value by Application (2021-2026) & (USD Million)

Table 58. World Thermopile Microbolometer Infrared Detector Production Value by Application (2027-2032) & (USD Million)

Table 59. World Thermopile Microbolometer Infrared Detector Average Price by Application (2021-2026) & (USD/Pcs)

Table 60. World Thermopile Microbolometer Infrared Detector Average Price by Application (2027-2032) & (USD/Pcs)

Table 61. Excelitas Technologies Basic Information, Manufacturing Base and Competitors

Table 62. Excelitas Technologies Major Business

Table 63. Excelitas Technologies Thermopile Microbolometer Infrared Detector Product and Services

Table 64. Excelitas Technologies Thermopile Microbolometer Infrared Detector Production (Pcs), Price (USD/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 65. Excelitas Technologies Recent Developments/Updates

Table 66. Excelitas Technologies Competitive Strengths & Weaknesses

Table 67. Nippon Ceramic Basic Information, Manufacturing Base and Competitors

Table 68. Nippon Ceramic Major Business

Table 69. Nippon Ceramic Thermopile Microbolometer Infrared Detector Product and Services

Table 70. Nippon Ceramic Thermopile Microbolometer Infrared Detector Production (Pcs), Price (USD/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 71. Nippon Ceramic Recent Developments/Updates

Table 72. Nippon Ceramic Competitive Strengths & Weaknesses

Table 73. Hamamatsu Photonic Basic Information, Manufacturing Base and Competitors

Table 74. Hamamatsu Photonic Major Business

Table 75. Hamamatsu Photonic Thermopile Microbolometer Infrared Detector Product and Services

Table 76. Hamamatsu Photonic Thermopile Microbolometer Infrared Detector Production (Pcs), Price (USD/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 77. Hamamatsu Photonic Recent Developments/Updates

Table 78. Hamamatsu Photonic Competitive Strengths & Weaknesses

Table 79. Murata Manufacturing Basic Information, Manufacturing Base and Competitors

Table 80. Murata Manufacturing Major Business

Table 81. Murata Manufacturing Thermopile Microbolometer Infrared Detector Product and Services

Table 82. Murata Manufacturing Thermopile Microbolometer Infrared Detector

Production (Pcs), Price (USD/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 83. Murata Manufacturing Recent Developments/Updates

Table 84. Murata Manufacturing Competitive Strengths & Weaknesses

Table 85. Flir Systems Basic Information, Manufacturing Base and Competitors

Table 86. Flir Systems Major Business

Table 87. Flir Systems Thermopile Microbolometer Infrared Detector Product and Services

Table 88. Flir Systems Thermopile Microbolometer Infrared Detector Production (Pcs), Price (USD/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 89. Flir Systems Recent Developments/Updates

Table 90. Flir Systems Competitive Strengths & Weaknesses

Table 91. Texas Instruments Basic Information, Manufacturing Base and Competitors

Table 92. Texas Instruments Major Business

Table 93. Texas Instruments Thermopile Microbolometer Infrared Detector Product and Services

Table 94. Texas Instruments Thermopile Microbolometer Infrared Detector Production (Pcs), Price (USD/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 95. Texas Instruments Recent Developments/Updates

Table 96. Texas Instruments Competitive Strengths & Weaknesses

Table 97. Sofradir Basic Information, Manufacturing Base and Competitors

Table 98. Sofradir Major Business

Table 99. Sofradir Thermopile Microbolometer Infrared Detector Product and Services

Table 100. Sofradir Thermopile Microbolometer Infrared Detector Production (Pcs), Price (USD/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 101. Sofradir Recent Developments/Updates

Table 102. Sofradir Competitive Strengths & Weaknesses

Table 103. Infra TEC GmbH Basic Information, Manufacturing Base and Competitors

Table 104. Infra TEC GmbH Major Business

Table 105. Infra TEC GmbH Thermopile Microbolometer Infrared Detector Product and Services

Table 106. Infra TEC GmbH Thermopile Microbolometer Infrared Detector Production (Pcs), Price (USD/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 107. Infra TEC GmbH Recent Developments/Updates

Table 108. Infra TEC GmbH Competitive Strengths & Weaknesses

Table 109. DRS Basic Information, Manufacturing Base and Competitors

Table 110. DRS Major Business

Table 111. DRS Thermopile Microbolometer Infrared Detector Product and Services

Table 112. DRS Thermopile Microbolometer Infrared Detector Production (Pcs), Price (USD/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 113. DRS Recent Developments/Updates

Table 114. DRS Competitive Strengths & Weaknesses

Table 115. Zhejiang Dali Basic Information, Manufacturing Base and Competitors

Table 116. Zhejiang Dali Major Business

Table 117. Zhejiang Dali Thermopile Microbolometer Infrared Detector Product and Services

Table 118. Zhejiang Dali Thermopile Microbolometer Infrared Detector Production (Pcs), Price (USD/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 119. Zhejiang Dali Recent Developments/Updates

Table 120. Zhejiang Dali Competitive Strengths & Weaknesses

Table 121. IRay Technology Basic Information, Manufacturing Base and Competitors

Table 122. IRay Technology Major Business

Table 123. IRay Technology Thermopile Microbolometer Infrared Detector Product and Services

Table 124. IRay Technology Thermopile Microbolometer Infrared Detector Production (Pcs), Price (USD/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 125. IRay Technology Recent Developments/Updates

Table 126. IRay Technology Competitive Strengths & Weaknesses

Table 127. North GuangWei Basic Information, Manufacturing Base and Competitors

Table 128. North GuangWei Major Business

Table 129. North GuangWei Thermopile Microbolometer Infrared Detector Product and Services

Table 130. North GuangWei Thermopile Microbolometer Infrared Detector Production (Pcs), Price (USD/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 131. North GuangWei Recent Developments/Updates

Table 132. North GuangWei Competitive Strengths & Weaknesses

Table 133. Global Key Players of Thermopile Microbolometer Infrared Detector Upstream (Raw Materials)

Table 134. Global Thermopile Microbolometer Infrared Detector Typical Customers

Table 135. Thermopile Microbolometer Infrared Detector Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Thermopile Microbolometer Infrared Detector Picture

Figure 2. World Thermopile Microbolometer Infrared Detector Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Thermopile Microbolometer Infrared Detector Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Thermopile Microbolometer Infrared Detector Production (2021-2032) & (Pcs)

Figure 5. World Thermopile Microbolometer Infrared Detector Average Price (2021-2032) & (USD/Pcs)

Figure 6. World Thermopile Microbolometer Infrared Detector Production Value Market Share by Region (2021-2032)

Figure 7. World Thermopile Microbolometer Infrared Detector Production Market Share by Region (2021-2032)

Figure 8. North America Thermopile Microbolometer Infrared Detector Production (2021-2032) & (Pcs)

Figure 9. Europe Thermopile Microbolometer Infrared Detector Production (2021-2032) & (Pcs)

Figure 10. China Thermopile Microbolometer Infrared Detector Production (2021-2032) & (Pcs)

Figure 11. Japan Thermopile Microbolometer Infrared Detector Production (2021-2032) & (Pcs)

Figure 12. Thermopile Microbolometer Infrared Detector Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Thermopile Microbolometer Infrared Detector Consumption (2021-2032) & (Pcs)

Figure 15. World Thermopile Microbolometer Infrared Detector Consumption Market Share by Region (2021-2032)

Figure 16. United States Thermopile Microbolometer Infrared Detector Consumption (2021-2032) & (Pcs)

Figure 17. China Thermopile Microbolometer Infrared Detector Consumption (2021-2032) & (Pcs)

Figure 18. Europe Thermopile Microbolometer Infrared Detector Consumption (2021-2032) & (Pcs)

Figure 19. Japan Thermopile Microbolometer Infrared Detector Consumption (2021-2032) & (Pcs)

Figure 20. South Korea Thermopile Microbolometer Infrared Detector Consumption (2021-2032) & (Pcs)

Figure 21. ASEAN Thermopile Microbolometer Infrared Detector Consumption (2021-2032) & (Pcs)

Figure 22. India Thermopile Microbolometer Infrared Detector Consumption (2021-2032) & (Pcs)

Figure 23. Producer Shipments of Thermopile Microbolometer Infrared Detector by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for Thermopile Microbolometer Infrared Detector Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for Thermopile Microbolometer Infrared Detector Markets in 2025

Figure 26. United States VS China: Thermopile Microbolometer Infrared Detector Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: Thermopile Microbolometer Infrared Detector Production Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Thermopile Microbolometer Infrared Detector Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers Thermopile Microbolometer Infrared Detector Production Market Share 2025

Figure 30. China Based Manufacturers Thermopile Microbolometer Infrared Detector Production Market Share 2025

Figure 31. Rest of World Based Manufacturers Thermopile Microbolometer Infrared Detector Production Market Share 2025

Figure 32. World Thermopile Microbolometer Infrared Detector Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 33. World Thermopile Microbolometer Infrared Detector Production Value Market Share by Type in 2025

Figure 34. Microbolometer IR Detector

Figure 35. Thermopile IR Detector

Figure 36. Pyroelectric IR Detector

Figure 37. World Thermopile Microbolometer Infrared Detector Production Market Share by Type (2021-2032)

Figure 38. World Thermopile Microbolometer Infrared Detector Production Value Market Share by Type (2021-2032)

Figure 39. World Thermopile Microbolometer Infrared Detector Average Price by Type (2021-2032) & (USD/Pcs)

Figure 40. World Thermopile Microbolometer Infrared Detector Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 41. World Thermopile Microbolometer Infrared Detector Production Value Market Share by Application in 2025

Figure 42. Military and Defense

Figure 43. Automotive

Figure 44. Smart Home

Figure 45. Medicine

Figure 46. Others

Figure 47. World Thermopile Microbolometer Infrared Detector Production Market Share by Application (2021-2032)

Figure 48. World Thermopile Microbolometer Infrared Detector Production Value Market Share by Application (2021-2032)

Figure 49. World Thermopile Microbolometer Infrared Detector Average Price by Application (2021-2032) & (USD/Pcs)

Figure 50. Thermopile Microbolometer Infrared Detector Industry Chain

Figure 51. Thermopile Microbolometer Infrared Detector Procurement Model

Figure 52. Thermopile Microbolometer Infrared Detector Sales Model

Figure 53. Thermopile Microbolometer Infrared Detector Sales Channels, Direct Sales, and Distribution

Figure 54. Methodology

Figure 55. Research Process and Data Source

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