

Thermal Scanners Market by Wavelength (LWIR, MWIR, SWIR), Application (Thermography, Security & Surveillance, Search & Rescue), Vertical (Industrial, Commercial, Aerospace & Defense, Automotive, Healthcare), Technology, Region - Global Forecast to 2025

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Abstracts

“Thermal scanners market is expected to grow at CAGR of 8.6% from 2020 to 2025.”

The global thermal scanners market size is estimated to grow from USD 4.1 billion in 2020 to USD 6.2 billion by 2025, at a CAGR of 8.6%. Increasing adoption of thermal scanners at airports for the screening of humans infected with coronavirus is one of the key factors fueling the growth of this market.

“Uncooled technology segment is expected to grow at the highest CAGR during the forecast period.”

Among technology, the market for uncooled technology is expected to grow at the highest CAGR during the forecast period. Thermal scanners based on uncooled technology are used widely in different verticals such as aerospace & defense, industrial, commercial, and others due to their ability to work in all weather conditions. Also, they cost low and are less subjected to restrictions compared to cooled thermal products. Moreover, they have long operation life as well as require less maintenance.

“Market for SWIR wavelength is expected to grow at the highest CAGR during the forecast period.”

Among wavelengths, the market for SWIR wavelength is expected to grow at the highest CAGR during the forecast period. The growth is attributed to its ability to serve numerous applications such as high-temperature thermography, moisture detection, spectroscopy, security and surveillance, semiconductor inspection, and scientific research.

“Thermography application of thermal scanners is expected to grow at the highest CAGR during the forecast period.”

The thermography application of the thermal scanners is expected to grow at the highest CAGR during the forecast period. The growth is attributed to the rising adoption of thermal scanners for a thermal audit of machines and equipment in the manufacturing industry. This helps to avoid operational shutdown and aid companies to save money by detecting the fault at the infancy stage. Moreover, the thermal audit does not cause any damage to the machines and equipment.

“Commercial vertical is expected to grow at the highest CAGR during the forecast period.”

The market for the commercial vertical is expected to grow at the highest CAGR during the forecast period. The growth is attributed to the rising adoption of thermography due to their several benefits, such as instant detection of injuries or blockages with high definition image quality and low cost. Moreover, thermal scanning solutions are a reliable tool for medical assessment and diagnosis of various illnesses and diseases such as fever, headache, allergy, and different types of cancer in humans and animals.

“Europe to held second-largest share of thermal scanners market during in 2019.”

Europe is the second-largest market for thermal scanners, owing to the presence of lucrative automotive, healthcare, and industrial & manufacturing verticals in the region. Moreover, Europe is home to a large number of players in the thermal scanners market, such as Axis Communications AB (Sweden) and Thermoteknix Systems Ltd. (UK). They are considered as a trendsetter in this market as they develop innovative thermal scanning products, used in commercial, security and surveillance, as well as monitoring and inspection application areas.

Breakdown of profiles of primary participants:

By Company Type: Tier 1 = 20%, Tier 2 = 35%, and Tier 3 = 45%

By Designation: C Level = 40%, Managers = 24%, Others = 36%

By Region: North America = 25%, Europe = 42%, APAC = 21%, RoW = 12%

Major players profiled in this report:

FLIR Systems, Inc. (US)

Fluke Corporation (US)

Leonardo S.p.A. (Italy)

L3HARRIS TECHNOLOGIES, INC. (US)

Ogpal (Israel)

Optotherm, Inc (US)

Axis Communications AB (Sweden)

Seek Thermal (US)

Thermoteknix Systems Ltd. (UK)

3M (3M Scott, US)

Research coverage

This report offers detailed insights into the thermal scanners market based on technology, wavelength, type, application, vertical, and region. Based on technology, the thermal scanners market has been segmented into uncooled and cooled. Based on wavelength, the market has been divided into long-wave infrared (LWIR), mid-wave infrared (MWIR), and short-wave infrared (SWIR). Based on type, the thermal scanners market is segmented into fixed and portable. Based on the application, the thermal scanners market has been classified into thermography, security and surveillance, search and rescue. Based on vertical, the market is segmented into industrial,

Thermal Scanners Market by Wavelength (LWIR, MWIR, SWIR), Application (Thermography, Security & Surveillance,...

commercial, aerospace & defense, automotive, healthcare and life sciences, oil & gas. The market has been studied for North America, Europe, Asia Pacific (APAC), and the Rest of the World (RoW).

Reasons to buy the report

The report is expected to help market leaders/new entrants in this market in the following ways:

1. This report segments the thermal scanners market comprehensively and provides the closest approximations of the overall size of the market, as well as its segments and subsegments.
2. The report is expected to help stakeholders understand the pulse of the market and provide them with information about key drivers, restraints, challenges, and opportunities.
3. This report aims at helping stakeholders in obtaining an improved understanding of their competitors and gaining insights to enhance their position in the market. The competitive landscape section includes the competitor ecosystem of the market, as well as growth strategies such as product launches and developments, expansions, partnerships, agreements, contracts, and mergers & acquisitions adopted by major market players.

Contents

1 INTRODUCTION

- 1.1 STUDY OBJECTIVES
- 1.2 MARKET DEFINITION
- 1.3 SCOPE
 - 1.3.1 MARKETS COVERED
 - 1.3.2 YEARS CONSIDERED
- 1.4 CURRENCY
- 1.5 LIMITATIONS
- 1.6 MARKET STAKEHOLDERS

2 RESEARCH METHODOLOGY

- 2.1 RESEARCH DATA
 - 2.1.1 SECONDARY DATA
 - 2.1.1.1 Secondary sources
 - 2.1.2 PRIMARY DATA
 - 2.1.2.1 Primary sources
 - 2.1.2.2 Key industry insights
 - 2.1.2.3 Breakdown of primaries
- 2.2 MARKET SIZE ESTIMATION
 - 2.2.1 BOTTOM-UP APPROACH
 - 2.2.1.1 Approach for capturing market size by bottom-up analysis (demand side)
 - 2.2.2 TOP-DOWN APPROACH
 - 2.2.2.1 Approach for capturing market share by top-down analysis (supply side)
- 2.3 MARKET BREAKDOWN AND DATA TRIANGULATION
 - 2.3.1 RESEARCH ASSUMPTIONS

3 EXECUTIVE SUMMARY

4 PREMIUM INSIGHTS

- 4.1 ATTRACTIVE OPPORTUNITIES IN THERMAL SCANNER MARKET
- 4.2 THERMAL SCANNER MARKET, BY APPLICATION AND COUNTRY
- 4.3 COUNTRY-WISE THERMAL SCANNER MARKET

5 MARKET OVERVIEW

Thermal Scanners Market by Wavelength (LWIR, MWIR, SWIR), Application (Thermography, Security & Surveillance,...

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

5.2.1 DRIVERS

5.2.1.1 Increasing demand for thermal scanners at airports for Coronavirus detection

5.2.1.2 Rising expenditure in aerospace and defense sector from governments worldwide

5.2.1.3 Growing adoption of thermal scanners in automotive industry

5.2.1.4 Rising R&D investments by companies, governments, and capital firms to develop innovative thermal scanning solutions

5.2.2 RESTRAINTS

5.2.2.1 Export restrictions imposed on thermal imaging products

5.2.3 OPPORTUNITIES

5.2.3.1 Increase in adoption of thermal scanners in healthcare applications

5.2.3.2 Use of thermal scanners to diagnose defects in building structures

5.2.4 CHALLENGES

5.2.4.1 Inapplicable for glass and water

5.2.4.2 Impractical for see-through wall applications

6 THERMAL SCANNER MARKET, BY TYPE

6.1 INTRODUCTION

6.2 PORTABLE

6.2.1 FIREFIGHTERS AND LAW ENFORCEMENT PERSONNEL BENEFIT FROM USING HANDHELD THERMAL SCANNERS

6.3 FIXED

6.3.1 HIGH ADOPTION OF FIXED-MOUNTED THERMAL SCANNERS IN FEVER SCANNING APPLICATION ACCELERATES MARKET GROWTH

7 THERMAL SCANNER MARKET, BY TECHNOLOGY

7.1 INTRODUCTION

7.2 COOLED

7.2.1 HIGHLY SENSITIVE COOLED THERMAL CAMERAS ARE USED TO MONITOR MINUTE TEMPERATURE DIFFERENCES

7.3 UNCOOLED

7.3.1 UNCOOLED THERMAL SCANNERS ARE BEING USED TO SCREEN LARGE GROUPS OF PEOPLE FOR FEVER

8 THERMAL SCANNER MARKET, BY WAVELENGTH

8.1 INTRODUCTION

8.2 SHORT-WAVE INFRARED

8.2.1 SWIR THERMAL SCANNERS ARE CAPABLE OF PRODUCING DETAILED IMAGES WITH HIGH RESOLUTION

8.3 MID-WAVE INFRARED

8.3.1 MWIR THERMAL SCANNERS ARE USED TO PROVIDE HIGH-CONTRAST THERMAL IMAGES

8.4 LONG-WAVE INFRARED

8.4.1 LWIR THERMAL SCANNERS ARE USED TO MONITOR HUMAN ACTIVITIES AND VEHICLES

9 THERMAL SCANNER MARKET, BY APPLICATION

9.1 INTRODUCTION

9.2 THERMOGRAPHY

9.2.1 PROCESS INDUSTRY

9.2.1.1 Rising deployment of thermal cameras in process industry is fueling market growth

9.2.2 DISCRETE INDUSTRY

9.2.2.1 Requirement of monitoring and inspection to assess quality of manufactured device drives adoption of thermal scanners

9.2.3 BUILDING INSPECTION

9.2.3.1 Thermal scanners enable detection of building defects by screening temperature distribution of surfaces

9.2.4 INSPECTION & QUARANTINE

9.2.4.1 Thermal scanners have emerged as widely used tool to detect fever in response to Covid-19

9.2.5 MEDICAL DIAGNOSIS

9.2.5.1 Panoramic thermal imaging system enables tracking in wide areas

9.3 SECURITY & SURVEILLANCE

9.3.1 CITY MONITORING

9.3.1.1 Increasing awareness regarding safety of chief areas in cities helps in deployment of thermal scanners

9.3.2 BORDER & COASTAL SURVEILLANCE

9.3.2.1 Rising adoption of thermal cameras to safeguard building structures is propelling thermal scanner market

9.3.3 PORTS AND WHARFS MONITORING

9.3.3.1 Need for human safety increases demand for thermal imaging technology

9.3.4 KEY INFRASTRUCTURE MONITORING

9.3.4.1 Thermal scanners play important role in safeguarding key infrastructure areas

9.4 SEARCH AND RESCUE

9.4.1 LAW ENFORCEMENT

9.4.1.1 Thermal scanners can provide better execution of tasks in poor vision situations in law enforcement activities

9.4.2 FIREFIGHTING AND FIRST RESPONSE

9.4.2.1 Deployment of thermal cameras to reduce human, material, and property losses is expected to boost market growth

9.4.3 FOREST PROTECTION

9.4.3.1 Increase in use of thermal cameras for detection of animals and humans using body temperatures

9.4.4 MARITIME RESCUE

9.4.4.1 Thermal cameras help maritime rescue operators to find humans in case of any accidents

9.5 OTHERS

10 THERMAL SCANNER MARKET, BY VERTICAL

10.1 INTRODUCTION

10.2 INDUSTRIAL

10.2.1 RISE IN ADOPTION OF THERMAL SCANNERS IN INDUSTRIAL VERTICAL FOR SAFETY OF INDUSTRIAL ASSETS AND HUMAN LIVES

10.3 COMMERCIAL

10.3.1 HIGH ADOPTION OF THERMAL SCANNERS IN FEWER SCANNING AT AIRPORTS ACCELERATES MARKET GROWTH

10.4 AEROSPACE & DEFENSE

10.4.1 HIGH ADOPTION OF THERMAL SCANNERS ACROSS AEROSPACE & DEFENSE INDUSTRY IS FUELING MARKET GROWTH

10.5 AUTOMOTIVE

10.5.1 HIGH ADOPTION OF THERMAL SCANNERS IN AUTOMOTIVE INDUSTRY FOR MONITORING, INSPECTION, AND DETECTION

10.6 HEALTHCARE & LIFESCIENCES

10.6.1 SIMPLE, NON-INVASIVE, AND LESS EXPENSIVE THERMAL IMAGING TECHNIQUE INCREASES DEMAND FOR THERMAL CAMERAS IN HEALTHCARE & LIFE SCIENCES

10.7 OIL & GAS

10.7.1 USE OF THERMAL SCANNERS FOR PREDICTIVE MAINTENANCE TO FUEL

MARKET GROWTH

10.8 OTHERS

11 GEOGRAPHIC ANALYSIS OF THERMAL SCANNERS MARKET

11.1 INTRODUCTION

11.2 NORTH AMERICA

11.2.1 US

11.2.1.1 Presence of thermal scanner manufacturing companies to boost market growth in US

11.2.2 CANADA

11.2.2.1 Investment in R&D of thermal imaging by government and non-government to spur growth of market in Canada

11.2.3 MEXICO

11.2.3.1 Wide distribution network in Mexico to propel market growth

11.3 EUROPE

11.3.1 UK

11.3.1.1 Increasing use of thermal scanners for diagnosing diseases in healthcare sector

11.3.2 GERMANY

11.3.2.1 Market for thermal scanners in Germany to grow at highest CAGR during forecast period

11.3.3 FRANCE

11.3.3.1 Presence of automobile manufacturers in France to spur growth of thermal scanners market

11.3.4 REST OF EUROPE

11.3.4.1 Emerging economy, increasing infrastructure facilities, and funding contributes to growth of market in rest of Europe (RoE)

11.4 APAC

11.4.1 CHINA

11.4.1.1 China is experiencing high demand for thermal scanners due to the outbreak of coronavirus

11.4.2 JAPAN

11.4.2.1 Increase in use of thermal cameras in healthcare industry led to increase in demand for thermal scanners in Japan

11.4.3 INDIA

11.4.3.1 Airport measures against Coronavirus in India drives the market

11.4.4 REST OF APAC

11.4.4.1 Increasing implementation of thermal scanners at airports across the region

is driving the market in Rest of APAC

11.5 ROW

11.5.1 MIDDLE EAST & AFRICA

11.5.1.1 Ongoing investments in oil & gas and aerospace & defense industry support growth of market

11.5.2 SOUTH AMERICA

11.5.2.1 Increasing demand for monitoring & inspection in healthcare & life sciences, aerospace & defense, and industrial sectors creates growth opportunity

12 COMPETITIVE LANDSCAPE

12.1 OVERVIEW

12.2 MARKET RANKING ANALYSIS

12.2.1 PRODUCT LAUNCHES

12.2.2 MERGERS & ACQUISITIONS

12.2.3 EXPANSIONS

12.3 COMPETITIVE LEADERSHIP MAPPING

12.3.1 VISIONARY LEADERS

12.3.2 INNOVATORS

12.3.3 DYNAMIC DIFFERENTIATORS

12.3.4 EMERGING PLAYERS

13 COMPANY PROFILES

13.1 INTRODUCTION

(Business overview, Products/Solutions/Services offered, Recent Developments, SWOT Analysis, MNM view)*

13.2 KEY PLAYERS

13.2.1 FLIR SYSTEMS, INC.

13.2.2 FLUKE CORPORATION

13.2.3 LEONARDO S.P.A.

13.2.4 L3HARRIS TECHNOLOGIES, INC.

13.2.5 OPGAL

13.2.6 AXIS COMMUNICATIONS AB

13.2.7 OPTOTHERM, INC.

13.2.8 SEEK THERMAL INC.

13.2.9 THERMOTENIX SYSTEMS LTD.

13.2.10 3M (3M SCOTT)

13.3 OTHER KEY PLAYERS

- 13.3.1 COX
- 13.3.2 C-THERMAL
- 13.3.3 HGH INFRARED SYSTEMS
- 13.3.4 TONBO IMAGING
- 13.3.5 TERABEE
- 13.3.6 XENICS
- 13.3.7 VUMII IMAGING
- 13.3.8 INFRADEC GMBH
- 13.3.9 AMETEK LAND
- 13.3.10 TESTO SE & CO. KGAA

*Details on Business overview, Products/Solutions/Services offered, Recent Developments, SWOT Analysis, MNM view might not be captured in case of unlisted companies.

14 APPENDIX

- 14.1 DISCUSSION GUIDE
- 14.2 KNOWLEDGE STORE: MARKETSDMARKETS' SUBSCRIPTION PORTAL
- 14.3 AVAILABLE CUSTOMIZATIONS
- 14.4 RELATED REPORTS
- 14.5 AUTHOR DETAILS

List Of Tables

LIST OF TABLES

TABLE 1 THERMAL SCANNER MARKET, BY TYPE, 2017–2025 (USD MILLION)

TABLE 2 PORTABLE THERMAL SCANNER MARKET, BY APPLICATION, 2017–2025 (USD MILLION)

TABLE 3 FIXED THERMAL SCANNER MARKET, BY APPLICATION, 2017–2025 (USD MILLION)

TABLE 4 THERMAL SCANNERS MARKET, BY TECHNOLOGY, 2017–2025 (USD MILLION)

TABLE 5 THERMAL SCANNER MARKET, BY WAVELENGTH, 2017–2025 (USD MILLION)

TABLE 6 THERMAL SCANNER MARKET FOR SWIR WAVELENGTH, BY APPLICATION, 2017–2025 (USD MILLION)

TABLE 7 THERMAL SCANNER MARKET FOR MWIR WAVELENGTH, BY APPLICATION, 2017–2025 (USD MILLION)

TABLE 8 THERMAL SCANNER MARKET FOR LWIR WAVELENGTH, BY APPLICATION, 2017–2025 (USD MILLION)

TABLE 9 THERMAL SCANNER MARKET, BY APPLICATION, 2017–2025 (USD MILLION)

TABLE 10 THERMAL SCANNER MARKET FOR THERMOGRAPHY, BY APPLICATION TYPE, 2017–2025 (USD MILLION)

TABLE 11 THERMAL SCANNER MARKET FOR THERMOGRAPHY, BY REGION, 2017–2025 (USD MILLION)

TABLE 12 THERMAL SCANNER MARKET FOR THERMOGRAPHY, BY WAVELENGTH, 2017–2025 (USD MILLION)

TABLE 13 THERMAL SCANNER MARKET FOR THERMOGRAPHY, BY TYPE, 2017–2025 (USD MILLION)

TABLE 14 THERMAL SCANNER MARKET FOR SECURITY & SURVEILLANCE, BY APPLICATION TYPE, 2017–2025 (USD MILLION)

TABLE 15 THERMAL SCANNER MARKET FOR SECURITY & SURVEILLANCE, BY REGION, 2017–2025 (USD MILLION)

TABLE 16 THERMAL SCANNER MARKET FOR SECURITY & SURVEILLANCE, BY WAVELENGTH, 2017–2025 (USD MILLION)

TABLE 17 THERMAL SCANNER MARKET FOR SECURITY & SURVEILLANCE, BY TYPE, 2017–2025 (USD MILLION)

TABLE 18 THERMAL SCANNER MARKET FOR SEARCH & RESCUE, BY APPLICATION TYPE, 2017–2025 (USD MILLION)

TABLE 19 THERMAL SCANNER MARKET FOR SEARCH & RESCUE, BY REGION, 2017–2025 (USD MILLION)

TABLE 20 THERMAL SCANNER MARKET FOR SEARCH & RESCUE, BY WAVELENGTH, 2017–2025 (USD MILLION)

TABLE 21 THERMAL SCANNER MARKET FOR SEARCH & RESCUE, BY TYPE, 2017–2025 (USD MILLION)

TABLE 22 THERMAL SCANNER MARKET FOR OTHER APPLICATIONS, BY REGION, 2017–2025 (USD MILLION)

TABLE 23 THERMAL SCANNER MARKET FOR OTHER APPLICATIONS, BY WAVELENGTH, 2017–2025 (USD MILLION)

TABLE 24 THERMAL SCANNER MARKET FOR OTHER APPLICATIONS, BY TYPE, 2017–2025 (USD MILLION)

TABLE 25 THERMAL SCANNER MARKET, BY VERTICAL, 2017–2025 (USD MILLION)

TABLE 26 THERMAL SCANNER MARKET FOR INDUSTRIAL VERTICAL, BY REGION, 2017–2025 (USD MILLION)

TABLE 27 THERMAL SCANNER MARKET FOR COMMERCIAL VERTICAL, BY REGION, 2017–2025 (USD MILLION)

TABLE 28 THERMAL SCANNER MARKET FOR AEROSPACE & DEFENSE VERTICAL, BY REGION, 2017–2025 (USD MILLION)

TABLE 29 THERMAL SCANNER MARKET FOR AUTOMOTIVE VERTICAL, BY REGION, 2017–2025 (USD MILLION)

TABLE 30 THERMAL SCANNER MARKET FOR HEALTHCARE & LIFESCIENCES VERTICAL, BY REGION, 2017–2025 (USD MILLION)

TABLE 31 THERMAL SCANNER MARKET FOR OIL & GAS VERTICAL, BY REGION, 2017–2025 (USD MILLION)

TABLE 32 THERMAL SCANNER MARKET FOR OTHER VERTICALS, BY REGION, 2017–2025 (USD MILLION)

TABLE 33 THERMAL SCANNERS MARKET, BY REGION, 2017–2025 (USD MILLION)

TABLE 34 THERMAL SCANNERS MARKET IN NORTH AMERICA, BY COUNTRY, 2017–2025 (USD MILLION)

TABLE 35 THERMAL SCANNERS MARKET IN NORTH AMERICA, BY APPLICATION, 2017–2025 (USD MILLION)

TABLE 36 THERMAL SCANNERS MARKET IN NORTH AMERICA, BY VERTICAL, 2017–2025 (USD MILLION)

TABLE 37 THERMAL SCANNERS MARKET FOR INDUSTRIAL VERTICAL IN NORTH AMERICA, BY COUNTRY, 2017–2025 (USD MILLION)

TABLE 38 THERMAL SCANNERS MARKET FOR COMMERCIAL VERTICAL IN NORTH AMERICA, BY COUNTRY, 2017–2025 (USD MILLION)

TABLE 39 THERMAL SCANNERS MARKET FOR AEROSPACE & DEFENSE
VERTICAL IN

NORTH AMERICA, BY COUNTRY, 2017–2025 (USD MILLION)

TABLE 40 THERMAL SCANNERS MARKET FOR AUTOMOTIVE VERTICAL IN
NORTH AMERICA, BY COUNTRY, 2017–2025 (USD MILLION)

TABLE 41 THERMAL SCANNERS MARKET FOR HEALTHCARE & LIFESCIENCES
VERTICAL

IN NORTH AMERICA, BY COUNTRY, 2017–2025 (USD MILLION)

TABLE 42 THERMAL SCANNERS MARKET FOR OIL & GAS VERTICAL IN NORTH
AMERICA, BY COUNTRY, 2017–2025 (USD MILLION)

TABLE 43 THERMAL SCANNERS MARKET FOR OTHER VERTICALS IN NORTH
AMERICA, BY COUNTRY, 2017–2025 (USD MILLION)

TABLE 44 THERMAL SCANNERS MARKET IN US, BY APPLICATION, 2017–2025
(USD MILLION)

TABLE 45 THERMAL SCANNERS MARKET IN US, BY VERTICAL, 2017–2025 (USD
MILLION)

TABLE 46 THERMAL SCANNERS MARKET IN CANADA, BY APPLICATION,
2017–2025 (USD MILLION)

TABLE 47 THERMAL SCANNERS MARKET IN CANADA, BY VERTICAL, 2017–2025
(USD MILLION)

TABLE 48 THERMAL SCANNERS MARKET IN MEXICO, BY APPLICATION,
2017–2025 (USD MILLION)

TABLE 49 THERMAL SCANNERS MARKET IN MEXICO, BY VERTICAL, 2017–2025
(USD MILLION)

TABLE 50 THERMAL SCANNERS MARKET IN EUROPE, BY COUNTRY, 2017–2025
(USD MILLION)

TABLE 51 THERMAL SCANNERS MARKET IN EUROPE, BY APPLICATION,
2017–2025 (USD MILLION)

TABLE 52 THERMAL SCANNERS MARKET IN EUROPE, BY VERTICAL, 2017–2025
(USD MILLION)

TABLE 53 THERMAL SCANNERS MARKET FOR INDUSTRIAL VERTICAL IN
EUROPE, BY COUNTRY, 2017–2025 (USD MILLION)

TABLE 54 THERMAL SCANNERS MARKET FOR COMMERCIAL VERTICAL IN
EUROPE, BY COUNTRY, 2017–2025 (USD MILLION)

TABLE 55 THERMAL SCANNERS MARKET FOR AEROSPACE & DEFENSE
VERTICAL IN EUROPE, BY COUNTRY, 2017–2025 (USD MILLION)

TABLE 56 THERMAL SCANNERS MARKET FOR AUTOMOTIVE VERTICAL IN
EUROPE, BY COUNTRY, 2017–2025 (USD MILLION)

TABLE 57 THERMAL SCANNERS MARKET FOR HEALTHCARE & LIFESCIENCES

VERTICAL

IN EUROPE, BY COUNTRY, 2017–2025 (USD MILLION)

TABLE 58 THERMAL SCANNERS MARKET FOR OIL & GAS VERTICAL IN EUROPE, BY COUNTRY, 2017–2025 (USD MILLION)

TABLE 59 THERMAL SCANNERS MARKET FOR OTHER VERTICALS IN EUROPE, BY COUNTRY, 2017–2025 (USD MILLION)

TABLE 60 THERMAL SCANNERS MARKET IN UK, BY APPLICATION, 2017–2025 (USD MILLION)

TABLE 61 THERMAL SCANNERS MARKET IN UK, BY VERTICAL, 2017–2025 (USD MILLION)

TABLE 62 THERMAL SCANNERS MARKET IN GERMANY, BY APPLICATION, 2017–2025 (USD MILLION)

TABLE 63 THERMAL SCANNERS MARKET IN GERMANY, BY VERTICAL, 2017–2025 (USD MILLION)

TABLE 64 THERMAL SCANNERS MARKET IN FRANCE, BY APPLICATION, 2017–2025 (USD MILLION)

TABLE 65 THERMAL SCANNERS MARKET IN FRANCE, BY VERTICAL, 2017–2025 (USD MILLION)

TABLE 66 THERMAL SCANNERS MARKET IN REST OF EUROPE, BY APPLICATION, 2017–2025 (USD MILLION)

TABLE 67 THERMAL SCANNERS MARKET IN REST OF EUROPE, BY VERTICAL, 2017–2025 (USD MILLION)

TABLE 68 THERMAL SCANNERS MARKET IN APAC, BY COUNTRY, 2017–2025 (USD MILLION)

TABLE 69 THERMAL SCANNERS MARKET IN APAC, BY APPLICATION, 2017–2025 (USD MILLION)

TABLE 70 THERMAL SCANNERS MARKET IN APAC, BY VERTICAL, 2017–2025 (USD MILLION)

TABLE 71 THERMAL SCANNERS MARKET FOR INDUSTRIAL VERTICAL IN APAC, BY COUNTRY, 2017–2025 (USD MILLION)

TABLE 72 THERMAL SCANNERS MARKET FOR COMMERCIAL VERTICAL IN APAC, BY COUNTRY, 2017–2025 (USD MILLION)

TABLE 73 THERMAL SCANNERS MARKET FOR AEROSPACE & DEFENSE VERTICAL IN APAC, BY COUNTRY, 2017–2025 (USD MILLION)

TABLE 74 THERMAL SCANNERS MARKET FOR AUTOMOTIVE VERTICAL IN APAC, BY COUNTRY, 2017–2025 (USD MILLION)

TABLE 75 THERMAL SCANNERS MARKET FOR HEALTHCARE & LIFESCIENCES VERTICAL

IN APAC, BY COUNTRY, 2017–2025 (USD MILLION)

TABLE 76 THERMAL SCANNERS MARKET FOR OIL & GAS VERTICAL IN APAC, BY COUNTRY, 2017–2025 (USD MILLION)

TABLE 77 THERMAL SCANNERS MARKET FOR OTHER VERTICALS IN APAC, BY COUNTRY, 2017–2025 (USD MILLION)

TABLE 78 THERMAL SCANNERS MARKET IN CHINA, BY APPLICATION, 2017–2025 (USD MILLION)

TABLE 79 THERMAL SCANNERS MARKET IN CHINA, BY VERTICAL, 2017–2025 (USD MILLION)

TABLE 80 THERMAL SCANNERS MARKET IN JAPAN, BY APPLICATION, 2017–2025 (USD MILLION)

TABLE 81 THERMAL SCANNERS MARKET IN JAPAN, BY VERTICAL, 2017–2025 (USD MILLION)

TABLE 82 THERMAL SCANNERS MARKET IN INDIA, BY APPLICATION, 2017–2025 (USD MILLION)

TABLE 83 THERMAL SCANNERS MARKET IN INDIA, BY VERTICAL, 2017–2025 (USD MILLION)

TABLE 84 THERMAL SCANNERS MARKET IN REST OF APAC, BY APPLICATION, 2017–2025 (USD MILLION)

TABLE 85 THERMAL SCANNERS MARKET IN REST OF APAC, BY VERTICAL, 2017–2025 (USD MILLION)

TABLE 86 THERMAL SCANNER MARKET IN ROW, BY REGION, 2017–2025 (USD MILLION)

TABLE 87 THERMAL SCANNERS MARKET IN ROW, BY APPLICATION, 2017–2025 (USD MILLION)

TABLE 88 THERMAL SCANNERS MARKET IN ROW, BY VERTICAL, 2017–2025 (USD MILLION)

TABLE 89 THERMAL SCANNERS MARKET FOR INDUSTRIAL VERTICAL IN ROW, BY REGION, 2017–2025 (USD MILLION)

TABLE 90 THERMAL SCANNERS MARKET FOR COMMERCIAL VERTICAL IN ROW, BY REGION, 2017–2025 (USD MILLION)

TABLE 91 THERMAL SCANNERS MARKET FOR AEROSPACE & DEFENSE VERTICAL IN ROW, BY REGION, 2017–2025 (USD MILLION)

TABLE 92 THERMAL SCANNERS MARKET FOR AUTOMOTIVE VERTICAL IN ROW, BY REGION, 2017–2025 (USD MILLION)

TABLE 93 THERMAL SCANNERS MARKET FOR HEALTHCARE & LIFESCIENCES VERTICAL IN ROW, BY REGION, 2017–2025 (USD MILLION)

TABLE 94 THERMAL SCANNERS MARKET FOR OIL & GAS VERTICAL IN ROW, BY REGION, 2017–2025 (USD MILLION)

TABLE 95 THERMAL SCANNERS MARKET FOR OTHER VERTICALS IN ROW, BY

REGION, 2017–2025 (USD MILLION)

TABLE 96 THERMAL SCANNERS MARKET IN MIDDLE EAST & AFRICA, BY APPLICATION, 2017–2025 (USD MILLION)

TABLE 97 THERMAL SCANNERS MARKET IN MIDDLE EAST & AFRICA, BY VERTICAL, 2017–2025 (USD MILLION)

TABLE 98 THERMAL SCANNERS MARKET IN SOUTH AMERICA, BY APPLICATION, 2017–2025 (USD MILLION)

TABLE 99 THERMAL SCANNERS MARKET IN SOUTH AMERICA, BY VERTICAL, 2017–2025 (USD MILLION)

TABLE 100 MARKET PLAYER RANKING, 2019

TABLE 101 PRODUCT LAUNCHES, 2019

TABLE 102 AGREEMENTS/COLLABORATIONS/PARTNERSHIPS/CONTRACTS, 2019

TABLE 103 MERGERS & ACQUISITIONS, 2019

TABLE 104 EXPANSIONS, 2019

List Of Figures

LIST OF FIGURES

FIGURE 1 THERMAL SCANNER MARKET: RESEARCH DESIGN

FIGURE 2 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH

FIGURE 3 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH

FIGURE 4 DATA TRIANGULATION

FIGURE 5 PORTABLE THERMAL SCANNER MARKET TO GROW AT HIGHER CAGR DURING FORECAST PERIOD

FIGURE 6 THERMAL SCANNER MARKET FOR LWIR WAVELENGTH SEGMENT TO HOLD LARGEST SHARE IN 2025

FIGURE 7 THERMOGRAPHY APPLICATION TO DOMINATE THERMAL SCANNER MARKET DURING FORECAST PERIOD

FIGURE 8 THERMAL SCANNER MARKET FOR COMMERCIAL VERTICAL TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD

FIGURE 9 NORTH AMERICA TO HOLD LARGEST SHARE OF THERMAL SCANNER MARKET IN 2025

FIGURE 10 GROWING DEMAND FOR THERMAL SCANNERS AT AIRPORTS FOR CORONAVIRUS DETECTION TO DRIVE MARKET GROWTH

FIGURE 11 THERMOGRAPHY AND US TO BE LARGEST SHAREHOLDERS OF THERMAL SCANNER MARKET IN 2025

FIGURE 12 THERMAL SCANNER MARKET IN CHINA TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD

FIGURE 13 THERMAL SCANNER MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES

FIGURE 14 THERMAL SCANNER MARKET DRIVERS AND THEIR IMPACT

FIGURE 15 THERMAL SCANNER MARKET RESTRAINT AND ITS IMPACT

FIGURE 16 THERMAL SCANNER MARKET OPPORTUNITIES AND THEIR IMPACT

FIGURE 17 THERMAL SCANNER MARKET CHALLENGE AND ITS IMPACT

FIGURE 18 THERMAL SCANNER MARKET, BY TYPE

FIGURE 19 PORTABLE THERMAL SCANNERS TO EXHIBIT HIGHER CAGR FROM 2020 TO 2025

FIGURE 20 THERMAL SCANNER MARKET, BY TECHNOLOGY

FIGURE 21 UNCOOLED THERMAL SCANNERS MARKET IS EXPECTED TO GROW AT HIGHER CAGR FROM 2020 TO 2025

FIGURE 22 THERMAL SCANNER MARKET, BY WAVELENGTH

FIGURE 23 THERMAL SCANNER MARKET FOR SWIR SEGMENT IS EXPECTED TO GROW AT HIGHEST CAGR FROM 2020 TO 2025

FIGURE 24 THERMAL SCANNER MARKET, BY APPLICATION
FIGURE 25 THERMAL SCANNER MARKET FOR THERMOGRAPHY IS EXPECTED TO GROW AT HIGHEST CAGR FROM 2020 TO 2025
FIGURE 26 THERMAL SCANNER MARKET FOR COMMERCIAL VERTICAL IS EXPECTED TO GROW AT HIGHEST CAGR FROM 2020 TO 2025
FIGURE 27 GEOGRAPHIC SEGMENTATION OF THERMAL SCANNERS MARKET
FIGURE 28 APAC TO WITNESS HIGHEST GROWTH DURING FORECAST PERIOD (USD MILLION)
FIGURE 29 NORTH AMERICA: THERMAL SCANNERS MARKET SNAPSHOT
FIGURE 30 EUROPE: THERMAL SCANNERS MARKET SNAPSHOT
FIGURE 31 GERMANY TO WITNESS THE HIGHEST CAGR DURING FORECAST PERIOD
FIGURE 32 APAC: THERMAL SCANNERS MARKET SNAPSHOT
FIGURE 33 CHINA TO DOMINATE THE THERMAL SCANNERS MARKET IN APAC DURING THE FORECAST PERIOD
FIGURE 34 MIDDLE EAST AND AFRICA TO HOLD THE LARGEST SHARE OF THE THERMAL SCANNERS MARKET IN ROW
FIGURE 35 ORGANIC AND INORGANIC STRATEGIES ADOPTED BY COMPANIES OPERATING IN THERMAL SCANNER MARKET
FIGURE 36 THERMAL SCANNER (GLOBAL) COMPETITIVE LEADERSHIP MAPPING
FIGURE 37 FLIR SYSTEMS, INC.: COMPANY SNAPSHOT
FIGURE 38 LEONARDO S.P.A.: COMPANY SNAPSHOT
FIGURE 39 L3HARRIS TECHNOLOGIES, INC.: COMPANY SNAPSHOT
FIGURE 40 3M: COMPANY SNAPSHOT

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