

# **Thermal Imaging Market for Mobility Industry - A Global and Regional Analysis: Focus on Applications, Products, and Country-Wise Assessment - Analysis and Forecast, 2020-2025**

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## **Abstracts**

Market Report Coverage - Thermal Imaging Market for Mobility

Market Segmentation

Application Type – Automotive, Aerospace and Defense, and Marine

By Wavelength- Short, Medium, Long

Product Type – Uncooled, Cooled

Regional Segmentation

North America - U.S., Canada, and Mexico

Europe – Germany, Italy, France, and Rest-of-Europe

Asia-Pacific and Japan (APJ) – Japan, South Korea, and Rest-of-APJ

U.K.

China

## Rest-of-the-World

### Growth Drivers

Rise in Investment of Armed Force Modernization Worldwide

Growing Awareness of Thermal Imaging to Combat Accidents

Increase in Production Volume Leading to Price Reduction

### Market Challenges

Export Restriction Imposed to Limit the Market Growth

Reduction in Defense Budget

### Market Opportunities

Performance Improvement in ADAS and AV

### Key Companies Profiled

FLIR Systems, Inc., Leonardo, Xenics, L3HARRIS TECHNOLOGIES INC., HGH Infrared System, Opgal, Tonbo Imaging Pvt Ltd, JENOPTIK AG, Veoneer Inc., Axis Communication AB, Workswell, InfraTec GmbH, Excelitas Technologies Corp, Stonkam Co., Ltd., and Lynred

### Key Questions Answered in this Report:

For a new company looking to enter the market, which areas could it focus upon to stay ahead in the competition?

How do the existing market players function to improve their market positioning?

Which are the promising companies that have obtained financial support to

develop their products and markets?

How does the supply chain function in the global thermal imaging market for the mobility industry?

Which companies have been actively involved in innovation through patent applications, and which products have witnessed maximum patent applications during the period 2017-2020?

Which product segment is expected to witness the maximum demand growth in the global thermal imaging market for the mobility industry during 2020-2025?

Which are the players that are catering to the demand for different thermal cameras?

How should the strategies adopted by market players vary for different product segments based on the size of companies involved in each segment?

What are the key offerings of the prominent companies in the market for thermal cameras?

What are the demand patterns of thermal cameras across the application areas in different regions and countries during the period 2019-2025?

## Market Overview

The major advantage thermal imaging has is that it can be used in any condition and does not require any additional light. In the mobility segment, drones with thermal imagers are widely used for various activities such as search and rescue operations, firefighting, solar farm inspections, utility inspections, and much more.

With respect to the vehicles used by the defense sector of various countries, thermal imaging has a major role to play in surveillance around the borders and tracking movements in restricted areas. Also, armored fighting vehicles are able to lock heat signatures which helps in planning strategic attacking strategies using this technology.

In the case of autonomous vehicles, bad lighting, dark travel, bright sun glare, and inclement weather make classification difficult. In these normal driving conditions,

thermal sensors increase the ability to see in darkness, despite the mist, fog, and sunlight, and accurately identify cars, humans, animals, and other objects. In addition, thermal cameras are similarly effective in daytime driving..

The market research study offers a wide perspective of different types of thermal imagers and applications they are used for. The report also provides an analysis of the market penetration of these types in different applications and their growth opportunities across different regions as well as countries. The study focuses on the changing landscape of the thermal imaging market for mobility, owing to the significant developments made by the leading players.

The report further considers the market dynamics, supply chain analysis, and the detailed product contribution of the key players operating in the market. The global thermal imaging market for mobility report is a compilation of different segments, including market breakdown by type, wavelength, application, region, and country.

The thermal imaging market for mobility segmentation (on the basis of type) is further categorized into cooled and uncooled.

The thermal imaging market for mobility on the basis of wavelength is segregated into short, medium, and high.

The thermal imaging market for mobility on the basis of application is segregated into automotive, aerospace and defense, and mobility.

The thermal imaging market for mobility segmentation by region is segregated under seven major regions, namely, North America, Europe, China, Asia-Pacific-and-Japan, Rest-of-the-World, and the U.K.

## Competitive Landscape

The global thermal imaging market for mobility competitive landscape consists of different strategies undertaken by key players across the industry to gain traction and market share presence. Some strategies adopted by the camera providers are new product launches, business expansions, mergers, partnerships, and collaborations. Among all these strategies adopted, product development is the popular choice of the strategy implemented in the thermal imaging market for mobility. Some of the most prominent ecosystem players are FLIR Systems, Inc., Leonardo, Xenics, L3HARRIS TECHNOLOGIES INC., HGH Infrared System, Opgal, Tonbo Imaging Pvt Ltd,

JENOPTIK AG, Veoneer Inc., Axis Communication AB, Workswell, InfraTec GmbH, Excelitas Technologies Corp, Stonkam Co., Ltd., and Lynred.

## Contents

### EXECUTIVE SUMMARY

Scope of the Study

### 1 MARKETS

#### 1.1 Industry Outlook

1.1.1 Trends: Industry Dynamics Defining the Future Trends in Global Thermal Imaging Market for Mobility Industry

1.1.1.1 Thermal Camera-Equipped UAVs Adoption Increases across a Variety of Industrial and Research Application.

1.1.1.2 4th Generation Night Vision System

1.1.1.3 Increasing Penetration in Machine Vision-Based Applications (Uncooled IR Sensors)

1.1.2 Supply Chain Analysis

#### 1.2 Business Dynamics

##### 1.2.1 Market Drivers

1.2.1.1 Rise in Investment of Armed Force Modernization Worldwide

1.2.1.2 Growing Awareness of Thermal Imaging Combat Accidents

1.2.1.3 Increase in Production Volume Leads to Price Reduction

##### 1.2.2 Market Restraints

1.2.2.1 Export Restriction Imposed to Limit the Market Growth

1.2.2.1.1 Reduction in Defense Budget

##### 1.2.3 Business and Corporate Strategies

##### 1.2.4 Market Opportunities

1.2.4.1 Performance Improvement in ADAS and AV

### 2 APPLICATION

#### 2.1 Global Thermal Imaging Market for Mobility Industry- Application and Specification

2.1.1 Automotive

2.1.2 Aerospace and Defense

2.1.3 Marine

#### 2.2 Demand Analysis for Thermal Imaging Market for Mobility (by Application), 2019-2025

2.2.1 Aerospace and Defense

2.2.2 Automotive

## 2.2.3 Marine

### 3 PRODUCTS

#### 3.1 Global Thermal Imaging Market for Mobility Industry – Products and Specifications

##### 3.1.1 Global Thermal Imaging Market for Mobility Industry (by Product Type)

###### 3.1.1.1 Cooled

###### 3.1.1.2 Uncooled

##### 3.1.2 Global Thermal Imaging Market for Mobility Industry (by Wavelength)

###### 3.1.2.1 Short Wavelength

###### 3.1.2.2 Medium Wavelength

###### 3.1.2.3 Long Wavelength

#### 3.2 Demand Analysis for Thermal Imaging Market for Mobility (by Product), 2019-2025

##### 3.2.1 Demand Analysis for Thermal Imaging Market for Mobility (by Product Type), 2019-2025

###### 3.2.1.1 Uncooled

###### 3.2.1.2 Cooled

##### 3.2.2 Demand Analysis for Thermal Imaging Market for Mobility (by Wavelength), 2019-2025

###### 3.2.2.1 Short Wavelength

###### 3.2.2.2 Medium Wavelength

###### 3.2.2.3 Long Wavelength

### 4 REGION

#### 4.1 North America

##### 4.1.1 Markets

###### 4.1.1.1 Key Manufacturers and Suppliers in North America

###### 4.1.1.2 Competitive Benchmarking

###### 4.1.1.3 Business Challenges

###### 4.1.1.4 Business Drivers

##### 4.1.2 Application

##### 4.1.3 Product

###### 4.1.3.1 By Product Type

###### 4.1.3.2 By Wavelength

##### 4.1.4 North America: Country Level Analysis

###### 4.1.4.1 U.S.

###### 4.1.4.1.1 Markets

###### 4.1.4.1.1.1 Key Manufacturers and Suppliers in the U.S.

- 4.1.4.1.1.2 Business Challenges
- 4.1.4.1.1.3 Business Drivers
- 4.1.4.1.2 Application
- 4.1.4.1.3 Product
  - 4.1.4.1.3.1 By Product Type
  - 4.1.4.1.3.2 By Wavelength
- 4.1.4.2 Canada
  - 4.1.4.2.1 Markets
    - 4.1.4.2.1.1 Key Manufacturers and Suppliers in Canada
    - 4.1.4.2.1.2 Business Challenges
    - 4.1.4.2.1.3 Business Drivers
  - 4.1.4.2.2 Application
  - 4.1.4.2.3 Product
    - 4.1.4.2.3.1 By Product Type
    - 4.1.4.2.3.2 By Wavelength
- 4.1.4.3 Mexico
  - 4.1.4.3.1 Markets
    - 4.1.4.3.1.1 Key Manufacturers and Suppliers in Mexico
    - 4.1.4.3.1.2 Business Challenges
    - 4.1.4.3.1.3 Business Drivers
  - 4.1.4.3.2 Application
  - 4.1.4.3.3 Product
    - 4.1.4.3.3.1 By Product Type
    - 4.1.4.3.3.2 By Wavelength
- 4.2 Europe
  - 4.2.1 Markets
    - 4.2.1.1 Key Manufacturers and Suppliers in Europe
    - 4.2.1.2 Competitive Benchmarking
    - 4.2.1.3 Business Challenges
    - 4.2.1.4 Business Drivers
  - 4.2.2 Application
  - 4.2.3 Product
    - 4.2.3.1 By Product Type
    - 4.2.3.2 By Wavelength
    - 4.2.3.3 Europe: Country Level Analysis
      - 4.2.3.3.1 Germany
        - 4.2.3.3.1.1 Markets
          - 4.2.3.3.1.1.1 Key Manufacturers and Suppliers in Germany
          - 4.2.3.3.1.1.2 Business Challenges



- 4.2.3.3.1.1.3 Business Drivers
- 4.2.3.3.2 Application
- 4.2.3.3.3 Product
  - 4.2.3.3.3.1 By Product Type
  - 4.2.3.3.3.2 By Wavelength
- 4.2.3.4 Italy
  - 4.2.3.4.1 Markets
    - 4.2.3.4.1.1 Key Manufacturers and Suppliers in Italy
    - 4.2.3.4.1.2 Business Challenges
    - 4.2.3.4.1.3 Business Drivers
  - 4.2.3.4.2 Application
  - 4.2.3.4.3 Product
    - 4.2.3.4.3.1 By Product Type
    - 4.2.3.4.3.2 By Wavelength
- 4.2.3.5 France
  - 4.2.3.5.1 Markets
    - 4.2.3.5.1.1 Key Manufacturers and Suppliers in France
    - 4.2.3.5.1.2 Business Challenges
    - 4.2.3.5.1.3 Business Drivers
  - 4.2.3.5.2 Application
  - 4.2.3.5.3 Product
    - 4.2.3.5.3.1 By Product Type
    - 4.2.3.5.3.2 By Wavelength
- 4.2.3.6 Rest-of-Europe
  - 4.2.3.6.1 Markets
    - 4.2.3.6.1.1 Key Manufacturers and Suppliers in the Rest-of-Europe
    - 4.2.3.6.1.2 Business Challenges
    - 4.2.3.6.1.3 Business Drivers
  - 4.2.3.6.2 Application
  - 4.2.3.6.3 Product
    - 4.2.3.6.3.1 By Product Type
    - 4.2.3.6.3.2 By Wavelength
- 4.3 U.K.
  - 4.3.1 Markets
    - 4.3.1.1 Key Manufacturers and Suppliers in the U.K.
    - 4.3.1.2 Competitive Benchmarking
    - 4.3.1.3 Business Challenges
    - 4.3.1.4 Business Drivers
  - 4.3.2 Application

#### 4.3.3 Product

##### 4.3.3.1 By Product Type

##### 4.3.3.2 By Wavelength

#### 4.4 China

##### 4.4.1 Markets

###### 4.4.1.1 Key Manufacturers and Suppliers in China

###### 4.4.1.2 Competitive Benchmarking

###### 4.4.1.3 Business Challenges

###### 4.4.1.4 Business Drivers

##### 4.4.2 Application

##### 4.4.3 Product

###### 4.4.3.1 By Product Type

###### 4.4.3.2 By Wavelength

#### 4.5 Asia-Pacific and Japan

##### 4.5.1 Markets

###### 4.5.1.1 Key Manufacturers and Suppliers in the Asia-Pacific and Japan

###### 4.5.1.2 Competitive Benchmarking

###### 4.5.1.3 Business Challenges

###### 4.5.1.4 Business Drivers

##### 4.5.2 Application

##### 4.5.3 Product

###### 4.5.3.1 By Product Type

###### 4.5.3.2 By Wavelength

###### 4.5.3.3 Asia-Pacific and Japan: Country Level Analysis

###### 4.5.3.3.1 South Korea

###### 4.5.3.3.1.1 Markets

###### 4.5.3.3.1.1.1 Key Manufacturers and Suppliers in South Korea

###### 4.5.3.3.1.1.2 Business Challenges

###### 4.5.3.3.1.1.3 Business Drivers

###### 4.5.3.3.2 Application

###### 4.5.3.3.3 Product

###### 4.5.3.3.3.1 By Product Type

###### 4.5.3.3.3.2 By Wavelength

###### 4.5.3.4 Japan

###### 4.5.3.4.1 Markets

###### 4.5.3.4.1.1 Key Manufacturers and Suppliers in Japan

###### 4.5.3.4.1.2 Business Challenges

###### 4.5.3.4.1.3 Business Drivers

###### 4.5.3.4.2 Application

- 4.5.3.4.3 Product
  - 4.5.3.4.3.1 By Product Type
  - 4.5.3.4.3.2 By Wavelength
- 4.5.3.5 Rest-of-Asia-Pacific and Japan
  - 4.5.3.5.1 Markets
    - 4.5.3.5.1.1 Key Manufacturers and Suppliers in Rest-of-Asia-Pacific and Japan
    - 4.5.3.5.1.2 Business Challenges
    - 4.5.3.5.1.3 Business Drivers
  - 4.5.3.5.2 Application
  - 4.5.3.5.3 Product
    - 4.5.3.5.3.1 By Product Type
    - 4.5.3.5.3.2 By Wavelength
- 4.6 Rest-of-the-World (RoW)
  - 4.6.1 South America
    - 4.6.1.1 Markets
      - 4.6.1.1.1 Key Manufacturers and Suppliers in South America
      - 4.6.1.1.2 Business Challenges
      - 4.6.1.1.3 Business Drivers
  - 4.6.2 Middle East and Africa
    - 4.6.2.1 Markets
      - 4.6.2.1.1 Key Manufacturers and Suppliers in the Middle East and Africa
      - 4.6.2.1.2 Business Challenges
      - 4.6.2.1.3 Business Drivers
  - 4.6.3 Competitive Benchmarking
  - 4.6.4 Application
  - 4.6.5 Product
    - 4.6.5.1 By Product Type
    - 4.6.5.2 By Wavelength

## **5 MARKETS - COMPETITIVE BENCHMARKING & COMPANY PROFILES**

- 5.1 Competitive Benchmarking
- 5.2 Company Profiles
  - 5.2.1 FLIR Systems, Inc.
    - 5.2.1.1 Company Overview
      - 5.2.1.1.1 Product Portfolio
    - 5.2.1.2 Business Strategies
      - 5.2.1.2.1 Product Development
      - 5.2.1.2.2 Market Development

- 5.2.1.3 Corporate Strategies
  - 5.2.1.3.1 Partnerships and Collaborations
- 5.2.1.4 Competitive Position
  - 5.2.1.4.1 Strengths of the Company
  - 5.2.1.4.2 Weakness of the Company
- 5.2.2 Leonardo
  - 5.2.2.1 Company Overview
    - 5.2.2.1.1 Product Portfolio
    - 5.2.2.1.2 Production Sites and R&D Analysis
      - 5.2.2.1.2.1 Research and Development Analysis, 2018-2020
  - 5.2.2.2 Business Strategies
    - 5.2.2.2.1 Market Development
  - 5.2.2.3 Corporate Strategies
    - 5.2.2.3.1 Partnerships and Collaborations
    - 5.2.2.3.2 Merger and Acquisition
  - 5.2.2.4 Competitive Position
    - 5.2.2.4.1 Strengths of the Company
    - 5.2.2.4.2 Weakness of the Company
- 5.2.3 Xenics
  - 5.2.3.1 Company Overview
    - 5.2.3.1.1 Product Portfolio
  - 5.2.3.2 Business Strategies
    - 5.2.3.2.1 Product Development
  - 5.2.3.3 Competitive Position
    - 5.2.3.3.1 Strengths of the Company
    - 5.2.3.3.2 Weakness of the Company
- 5.2.4 L3HARRIS TECHNOLOGIES, INC.
  - 5.2.4.1 Company Overview
    - 5.2.4.1.1 Product Portfolio
    - 5.2.4.1.2 Research and Development Analysis, 2018-2020
  - 5.2.4.2 Business Strategies
    - 5.2.4.2.1 Market Development
  - 5.2.4.3 Corporate Strategies
    - 5.2.4.3.1 Partnerships and Collaborations
  - 5.2.4.4 Competitive Position
    - 5.2.4.4.1 Strengths of the Company
    - 5.2.4.4.2 Weakness of the Company
- 5.2.5 HGH Infrared System
  - 5.2.5.1 Company Overview

- 5.2.5.1.1 Product Portfolio
- 5.2.5.2 Business Strategies
  - 5.2.5.2.1 Product Development
- 5.2.5.3 Corporate Strategies
  - 5.2.5.3.1 Merger and Acquisition
- 5.2.5.4 Competitive Position
  - 5.2.5.4.1 Strengths of the Company
  - 5.2.5.4.2 Weakness of the Company
- 5.2.6 Opgal
  - 5.2.6.1 Company Overview
    - 5.2.6.1.1 Product Portfolio
  - 5.2.6.2 Business Strategies
    - 5.2.6.2.1 Market Development
  - 5.2.6.3 Competitive Position
    - 5.2.6.3.1 Strengths of the Company
    - 5.2.6.3.2 Weakness of the Company
- 5.2.7 Tonbo Imaging Pvt Ltd
  - 5.2.7.1 Company Overview
    - 5.2.7.1.1 Product Portfolio
  - 5.2.7.2 Business Strategies
    - 5.2.7.2.1 Market Development
  - 5.2.7.3 Competitive Position
    - 5.2.7.3.1 Strengths of the Company
    - 5.2.7.3.2 Weakness of the Company
- 5.2.8 JENOPTIK AG
  - 5.2.8.1 Company Overview
    - 5.2.8.1.1 Product Portfolio
    - 5.2.8.1.2 Production Sites and R&D Analysis
      - 5.2.8.1.2.1 Research and Development Analysis, 2018-2020
  - 5.2.8.2 Business Strategies
    - 5.2.8.2.1 Product Development
  - 5.2.8.3 Corporate Strategies
    - 5.2.8.3.1 Partnerships and Collaborations
  - 5.2.8.4 Competitive Position
    - 5.2.8.4.1 Strength of the Company
    - 5.2.8.4.2 Weakness of the Company
- 5.2.9 Veoneer Inc.
  - 5.2.9.1 Company Overview
    - 5.2.9.1.1 Product Portfolio

- 5.2.9.1.2 Production Sites and R&D Analysis
  - 5.2.9.1.2.1 Research and Development Analysis, 2018-2020
- 5.2.9.2 Business Strategies
  - 5.2.9.2.1 Market Development
  - 5.2.9.2.2 Product Development
- 5.2.9.3 Corporate Strategies
  - 5.2.9.3.1 Partnerships and Collaborations
- 5.2.9.4 Competitive Position
  - 5.2.9.4.1 Strengths of the Company
  - 5.2.9.4.2 Weakness of the Company
- 5.2.10 Axis Communications AB.
  - 5.2.10.1 Company Overview
    - 5.2.10.1.1 Product Portfolio
    - 5.2.10.1.2 Production Sites and R&D Analysis
      - 5.2.10.1.2.1 Research and Development Analysis, 2017-2019
  - 5.2.10.2 Competitive Position
    - 5.2.10.2.1 Product Development
  - 5.2.10.3 Competitive Position
    - 5.2.10.3.1 Strengths of the Company
    - 5.2.10.3.2 Weakness of the Company
- 5.2.11 Workswell
  - 5.2.11.1 Company Overview
    - 5.2.11.1.1 Product Portfolio
  - 5.2.11.2 Business Strategies
    - 5.2.11.2.1 Product Development
  - 5.2.11.3 Corporate Strategies
    - 5.2.11.3.1 Partnerships and Collaborations
  - 5.2.11.4 Competitive Position
    - 5.2.11.4.1 Strengths of the Company
    - 5.2.11.4.2 Weakness of the Company
- 5.2.12 InfraTec GmbH
  - 5.2.12.1 Company Overview
    - 5.2.12.1.1 Product Portfolio
  - 5.2.12.2 Business Strategies
    - 5.2.12.2.1 Product Development
  - 5.2.12.3 Corporate Strategies
    - 5.2.12.3.1 Partnerships and Collaborations
  - 5.2.12.4 Competitive Position
    - 5.2.12.4.1 Strength of the Company

- 5.2.12.4.2 Weakness of the Company
- 5.2.13 Excelitas Technologies Corp.
  - 5.2.13.1 Company Overview
    - 5.2.13.1.1 Product Portfolio
  - 5.2.13.2 Business Strategies
    - 5.2.13.2.1 Product Development
  - 5.2.13.3 Corporate Strategies
    - 5.2.13.3.1 Merger and Acquisition
  - 5.2.13.4 Competitive Position
    - 5.2.13.4.1 Strengths of the Company
    - 5.2.13.4.2 Weakness of the Company
- 5.2.14 Stonkam Co., Ltd.
  - 5.2.14.1 Company Overview
    - 5.2.14.1.1 Product Portfolio
  - 5.2.14.2 Business Strategies
    - 5.2.14.2.1 Market Development
  - 5.2.14.3 Competitive Position
    - 5.2.14.3.1 Strengths of the Company
    - 5.2.14.3.2 Weakness of the Company
- 5.2.15 Lynred
  - 5.2.15.1 Company Overview
    - 5.2.15.1.1 Product Portfolio
  - 5.2.15.2 Corporate Strategies
    - 5.2.15.2.1 Partnerships and collaborations
  - 5.2.15.3 Competitive Position
    - 5.2.15.3.1 Strengths of the Company
    - 5.2.15.3.2 Weakness of the Company

## **6 RESEARCH METHODOLOGY**

- 6.1 Data Sources
  - 6.1.1 Primary Data Sources
  - 6.1.2 Secondary Data Sources
- 6.2 Data Triangulation
- 6.3 Market Estimation and Forecast
  - 6.3.1 Factors for Data Prediction and Modeling

## List Of Figures

### LIST OF FIGURES

Figure 1: Global Thermal Imaging Market for Mobility, Thousand Units and \$Million, 2019-2025

Figure 2: Global Thermal Imaging Market for Mobility (by Product Type), \$Million, 2019-2025

Figure 3: Global Thermal Imaging Market for Mobility (by Wavelength), \$Million, 2019-2025

Figure 4: Thermal Imaging Market for Mobility (by Region), \$Million, 2019-2025

Figure 5: Global Thermal Imaging Market for Mobility Industry: Coverage

Figure 6: Supply Chain Analysis

Figure 7: Stakeholders in Global Thermal Imaging Market for Mobility Industry

Figure 8: Share of Key Developments

Figure 9: Types of Development, 2018-2020

Figure 10: Aerospace and Defense Thermal Imaging Market, Thousand Units and \$Million, 2019-2025

Figure 11: Automotive Thermal Imaging Market, Thousand Units and \$Million, 2019-2025

Figure 12: Marine Thermal Imaging Market, Thousand Units and \$Million, 2019-2025

Figure 13: Uncooled Thermal Imaging Market for Mobility, Thousand Units and \$Million, 2019-2025

Figure 14: Cooled Thermal Imaging Market, Thousand Units and \$Million, 2019-2025

Figure 15: Short Wavelength Thermal Imaging Market for Mobility, Thousand Units and \$Million, 2019-2025

Figure 16: Medium Wavelength Thermal Imaging Market, Thousand Units and \$Million, 2019-2025

Figure 17: Long Wavelength Thermal Imaging Market, Thousand Units and \$Million, 2019-2025

Figure 18: North America Thermal Imaging Market for Mobility, Thousand Units and \$Million, 2019-2025

Figure 19: U.S. Thermal Imaging Market for Mobility, Thousand Units and \$Million, 2019-2025

Figure 20: Canada Thermal Imaging Market for Mobility, Thousand Units and \$Million, 2019-2025

Figure 21: Mexico Thermal Imaging Market for Mobility, Thousand Units and \$Million, 2019-2025

Figure 22: North America Thermal Imaging Market for Mobility, Thousand Units and



\$Million, 2019-2025

Figure 23: Germany Thermal Imaging Market for Mobility, Thousand Units and \$Million, 2019-2025

Figure 24: Italy Thermal Imaging Market for Mobility, Thousand Units and \$Million, 2019-2025

Figure 25: France Thermal Imaging Market for Mobility, Thousand Units and \$Million, 2019-2025

Figure 26: Rest-of-Europe Thermal Imaging Market for Mobility, Thousand Units and \$Million, 2019-2025

Figure 27: U.K. Thermal Imaging Market for Mobility, Thousand Units and \$Million, 2019-2025

Figure 28: China Thermal Imaging Market for Mobility, Thousand Units and \$Million, 2019-2025

Figure 29: Asia-Pacific and Japan Thermal Imaging Market for Mobility, Thousand Units and \$Million, 2019-2025

Figure 30: South Korea Thermal Imaging Market for Mobility, Thousand Units and \$Million, 2019-2025

Figure 31: Japan Thermal Imaging Market for Mobility, Thousand Units and \$Million, 2019-2025

Figure 32: Rest-of-Asia-Pacific and Japan Thermal Imaging Market for Mobility, Thousand Units and \$Million, 2019-2025

Figure 33: Rest-of-the-World Thermal Imaging Market for Mobility, Thousand Units and \$Million, 2019-2025

Figure 34: Data Triangulation

Figure 35: Top-Down and Bottom-Up Approach

## List Of Tables

### LIST OF TABLES

Table 1: Global Thermal Imaging Market for Mobility (by Application), \$Million, 2019-2025

Table 2: Global Thermal Imaging Market for Mobility (by Application), Thousand Units, 2019-2025

Table 3: Global Thermal Imaging Market for Mobility (by Product Type), \$Million, 2019-2025

Table 4: Global Thermal Imaging Market for Mobility (by Product Type), Thousand Units, 2019-2025

Table 5: Global Thermal Imaging Market for Mobility (by Wavelength), \$Million, 2019-2025

Table 6: Global Thermal Imaging Market for Mobility (by Wavelength), Thousand Units, 2019-2025

Table 7: North America Thermal Imaging Market for Mobility (by Application), \$Million, 2019-2025

Table 8: North America Thermal Imaging Market for Mobility (by Application), Thousand Units, 2019-2025

Table 9: North America Thermal Imaging Market for Mobility (by Product Type), \$Million, 2019-2025

Table 10: North America Thermal Imaging Market for Mobility (by Product Type), Thousand Units, 2019-2025

Table 11: North America Thermal Imaging Market for Mobility (by Wavelength), \$Million, 2019-2025

Table 12: North America Thermal Imaging Market for Mobility (by Product Type), Thousand Units, 2019-2025

Table 13: U.S. Thermal Imaging Market for Mobility (by Application), \$Million, 2019-2025

Table 14: U.S. Thermal Imaging Market for Mobility (by Application), Thousand Units, 2019-2025

Table 15: U.S. Thermal Imaging Market for Mobility (by Product Type), \$Million, 2019-2025

Table 16: U.S. Thermal Imaging Market for Mobility (by Product Type), Thousand Units, 2019-2025

Table 17: U.S. Thermal Imaging Market for Mobility (by Wavelength), \$Million, 2019-2025

Table 18: U.S. Thermal Imaging Market for Mobility (by Product Type), Thousand Units,

2019-2025

Table 19: Canada Thermal Imaging Market for Mobility (by Application), \$Million, 2019-2025

Table 20: Canada Thermal Imaging Market for Mobility (by Application), Thousand Units, 2019-2025

Table 21: Canada Thermal Imaging Market for Mobility (by Product Type), \$Million, 2019-2025

Table 22: Canada Thermal Imaging Market for Mobility (by Product Type), Thousand Units, 2019-2025

Table 23: Canada Thermal Imaging Market for Mobility (by Wavelength), \$Million, 2019-2025

Table 24: Canada Thermal Imaging Market for Mobility (by Product Type), Thousand Units, 2019-2025

Table 25: Mexico Thermal Imaging Market for Mobility (by Application), \$Million, 2019-2025

Table 26: Mexico Thermal Imaging Market for Mobility (by Application), Thousand Units, 2019-2025

Table 27: Mexico Thermal Imaging Market for Mobility (by Product Type), \$Million, 2019-2025

Table 28: Mexico Thermal Imaging Market for Mobility (by Product Type), Thousand Units, 2019-2025

Table 29: Mexico Thermal Imaging Market for Mobility (by Wavelength), \$Million, 2019-2025

Table 30: Mexico Thermal Imaging Market for Mobility (by Product Type), Thousand Units, 2019-2025

Table 31: North America Thermal Imaging Market for Mobility (by Application), \$Million, 2019-2025

Table 32: North America Thermal Imaging Market for Mobility (by Application), Thousand Units, 2019-2025

Table 33: North America Thermal Imaging Market for Mobility (by Product Type), \$Million, 2019-2025

Table 34: North America Thermal Imaging Market for Mobility (by Product Type), Thousand Units, 2019-2025

Table 35: North America Thermal Imaging Market for Mobility (by Wavelength), \$Million, 2019-2025

Table 36: North America Thermal Imaging Market for Mobility (by Product Type), Thousand Units, 2019-2025

Table 37: Germany Thermal Imaging Market for Mobility (by Application), \$Million, 2019-2025

Table 38: Germany Thermal Imaging Market for Mobility (by Application), Thousand Units, 2019-2025

Table 39: Germany Thermal Imaging Market for Mobility (by Product Type), \$Million, 2019-2025

Table 40: Germany Thermal Imaging Market for Mobility (by Product Type), Thousand Units, 2019-2025

Table 41: Germany Thermal Imaging Market for Mobility (by Wavelength), \$Million, 2019-2025

Table 42: Germany Thermal Imaging Market for Mobility (by Product Type), Thousand Units, 2019-2025

Table 43: Italy Thermal Imaging Market for Mobility (by Application), \$Million, 2019-2025

Table 44: Italy Thermal Imaging Market for Mobility (by Application), Thousand Units, 2019-2025

Table 45: Italy Thermal Imaging Market for Mobility (by Product Type), \$Million, 2019-2025

Table 46: Italy Thermal Imaging Market for Mobility (by Product Type), Thousand Units, 2019-2025

Table 47: Italy Thermal Imaging Market for Mobility (by Wavelength), \$Million, 2019-2025

Table 48: Italy Thermal Imaging Market for Mobility (by Product Type), Thousand Units, 2019-2025

Table 49: France Thermal Imaging Market for Mobility (by Application), \$Million, 2019-2025

Table 50: France Thermal Imaging Market for Mobility (by Application), Thousand Units, 2019-2025

Table 51: France Thermal Imaging Market for Mobility (by Product Type), \$Million, 2019-2025

Table 52: France Thermal Imaging Market for Mobility (by Product Type), Thousand Units, 2019-2025

Table 53: France Thermal Imaging Market for Mobility (by Wavelength), \$Million, 2019-2025

Table 54: France Thermal Imaging Market for Mobility (by Product Type), Thousand Units, 2019-2025

Table 55: Rest-of-Europe Thermal Imaging Market for Mobility (by Application), \$Million, 2019-2025

Table 56: Rest-of-Europe Thermal Imaging Market for Mobility (by Application), Thousand Units, 2019-2025

Table 57: Rest-of-Europe Thermal Imaging Market for Mobility (by Product Type), \$Million, 2019-2025

Table 58: Rest-of-Europe Thermal Imaging Market for Mobility (by Product Type), Thousand Units, 2019-2025

Table 59: Rest-of-Europe Thermal Imaging Market for Mobility (by Wavelength), \$Million, 2019-2025

Table 60: Rest-of-Europe Thermal Imaging Market for Mobility (by Product Type), Thousand Units, 2019-2025

Table 61: U.K. Thermal Imaging Market for Mobility (by Application), \$Million, 2019-2025

Table 62: U.K. Thermal Imaging Market for Mobility (by Application), Thousand Units, 2019-2025

Table 63: U.K. Thermal Imaging Market for Mobility (by Product Type), \$Million, 2019-2025

Table 64: U.K. Thermal Imaging Market for Mobility (by Product Type), Thousand Units, 2019-2025

Table 65: U.K. Thermal Imaging Market for Mobility (by Wavelength), \$Million, 2019-2025

Table 66: U.K. Thermal Imaging Market for Mobility (by Product Type), Thousand Units, 2019-2025

Table 67: China Thermal Imaging Market for Mobility (by Application), \$Million, 2019-2025

Table 68: China Thermal Imaging Market for Mobility (by Application), Thousand Units, 2019-2025

Table 69: China Thermal Imaging Market for Mobility (by Product Type), \$Million, 2019-2025

Table 70: China Thermal Imaging Market for Mobility (by Product Type), Thousand Units, 2019-2025

Table 71: China Thermal Imaging Market for Mobility (by Wavelength), \$Million, 2019-2025

Table 72: China Thermal Imaging Market for Mobility (by Product Type), Thousand Units, 2019-2025

Table 73: Asia-Pacific and Japan Thermal Imaging Market for Mobility (by Application), \$Million, 2019-2025

Table 74: Asia-Pacific and Japan Thermal Imaging Market for Mobility (by Application), Thousand Units, 2019-2025

Table 75: Asia-Pacific and Japan Thermal Imaging Market for Mobility (by Product Type), \$Million, 2019-2025

Table 76: Asia-Pacific and Japan Thermal Imaging Market for Mobility (by Product Type), Thousand Units, 2019-2025

Table 77: Asia-Pacific and Japan Thermal Imaging Market for Mobility (by Wavelength),

\$Million, 2019-2025

Table 78: Asia-Pacific and Japan Thermal Imaging Market for Mobility (by Product Type), Thousand Units, 2019-2025

Table 79: South Korea Thermal Imaging Market for Mobility (by Application), \$Million, 2019-2025

Table 80: South Korea Thermal Imaging Market for Mobility (by Application), Thousand Units, 2019-2025

Table 81: South Korea Thermal Imaging Market for Mobility (by Product Type), \$Million, 2019-2025

Table 82: South Korea Thermal Imaging Market for Mobility (by Product Type), Thousand Units, 2019-2025

Table 83: South Korea Thermal Imaging Market for Mobility (by Wavelength), \$Million, 2019-2025

Table 84: South Korea Thermal Imaging Market for Mobility (by Product Type), Thousand Units, 2019-2025

Table 85: Japan Thermal Imaging Market for Mobility (by Application), \$Million, 2019-2025

Table 86: Japan Thermal Imaging Market for Mobility (by Application), Thousand Units, 2019-2025

Table 87: Japan Thermal Imaging Market for Mobility (by Product Type), \$Million, 2019-2025

Table 88: Japan Thermal Imaging Market for Mobility (by Product Type), Thousand Units, 2019-2025

Table 89: Japan Thermal Imaging Market for Mobility (by Wavelength), \$Million, 2019-2025

Table 90: Japan Thermal Imaging Market for Mobility (by Product Type), Thousand Units, 2019-2025

Table 91: Rest-of-Asia-Pacific and Japan Thermal Imaging Market for Mobility (by Application), \$Million, 2019-2025

Table 92: Rest-of-Asia-Pacific and Japan Thermal Imaging Market for Mobility (by Application), Thousand Units, 2019-2025

Table 93: Rest-of-Asia-Pacific and Japan Thermal Imaging Market for Mobility (by Product Type), \$Million, 2019-2025

Table 94: Rest-of-Asia-Pacific and Japan Thermal Imaging Market for Mobility (by Product Type), Thousand Units, 2019-2025

Table 95: Rest-of-Asia-Pacific and Japan Thermal Imaging Market for Mobility (by Wavelength), \$Million, 2019-2025

Table 96: Rest-of-Asia-Pacific and Japan Thermal Imaging Market for Mobility (by Product Type), Thousand Units, 2019-2025

Table 97: Rest-of-the-World Thermal Imaging Market for Mobility (by Application), \$Million, 2019-2025

Table 98: Rest-of-the-World Thermal Imaging Market for Mobility (by Application), Thousand Units, 2019-2025

Table 99: Rest-of-the-World Thermal Imaging Market for Mobility (by Product Type), \$Million, 2019-2025

Table 100: Rest-of-the-World Thermal Imaging Market for Mobility (by Product Type), Thousand Units, 2019-2025

Table 101: Rest-of-the-World Thermal Imaging Market for Mobility (by Wavelength), \$Million, 2019-2025

Table 102: Rest-of-the-World Thermal Imaging Market for Mobility (by Product Type), Thousand Units, 2019-2025

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