

# Europe IR (Infrared) Camera Market Size study, by Detector (Cooled, Uncooled), By Type (Near and Short-wavelength IR, Medium-wavelength IR, Long-wavelength IR), By Material (Germanium, Silicon, Sapphire, Other Materials), By End Use (Military and Defense, Automotive, Industrial, Commercial and Public, Residential, Other) and Country Forecasts 2022-2032

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## Abstracts

Europe IR (Infrared) Camera Market is valued approximately USD 1.83 Billion in 2023 and is anticipated to grow with a healthy growth rate of more than 7.22% over the forecast period 2024-2032. An infrared (IR) camera captures heat radiation emitted by objects rather than visible light to generate images showing temperature variations. They are vital in firefighting, security, medicine, and environmental monitoring, functioning outside the visible spectrum. These cameras are crucial for spotting heat patterns, anomalies, and improving visibility in low-light scenarios. The increasing industrial automation and manufacturing is a key trend for the Europe IR (Infrared) Camera Market. Europe's industrial sector is increasingly adopting IR cameras for automation, quality control, predictive maintenance, and process monitoring. These cameras help improve production efficiency, detect defects, and ensure product quality in industries such as automotive, aerospace, electronics, and manufacturing.

The European automotive sector is a leader in incorporating advanced driver-assistance systems (ADAS) into vehicles. IR cameras are crucial for ADAS features, enabling better visibility in low-light conditions and poor weather, leading to safer driving experiences. Also, Europe has a well-established defense industry constantly

innovating. This translates to a demand for high-performance IR cameras for applications like night vision, target acquisition, and battlefield awareness. Upgraded defense budgets across Europe contribute to market growth, which, in turn, augmenting the growth of the Europe IR (Infrared) Camera Market. Along with this, the increased focus on public safety and, coupled with the supportive government policies, regulations, and initiatives aimed at enhancing security, industrial efficiency, and environmental sustainability are further presenting various growth prospects to the US IR (Infrared) Camera Market during the estimated period. However, the Europe (Infrared) Camera Market growth between 2024 and 2032 is stifled by issues such as the camera's limited accuracy and strict import/export regulations.

The key countries considered for the Europe IR (Infrared) Camera Market study includes UK, Germany, France, Italy, Spain, and Rest of Europe. In 2023, Germany is recorded with the substantial share in the IR (Infrared) Camera Market owing to its strong industrial base, particularly in manufacturing, automotive, and energy sectors, which rely on IR cameras for predictive maintenance and process monitoring. Technological innovation, including AI and IoT integration, enhances camera capabilities. The automotive industry extensively uses IR cameras for advanced driver assistance systems, while the healthcare sector adopts them for diagnostics and thermal imaging. Environmental monitoring, rising security concerns, and supportive government regulations further fuel demand, making IR cameras essential across various applications and industries. Whereas, the market in France is expected to develop at the fastest rate over the forecast period.

Major market player included in this report are:

Testo SE & Co. Kgaa

InfraTec GmbH

Axis Communications AB

Company 4

Company 5

Company 6

Company 7

Company 8

Company 9

Company 10

The detailed segments and sub-segment of the market are explained below:

By Detector

*Europe IR (Infrared) Camera Market Size study, by Detector (Cooled, Uncooled), By Type (Near and Short-wavelen...*

Cooled  
Uncooled

By Type  
Near and Short-wavelength IR  
Medium-wavelength IR  
Long-wavelength IR

By Material  
Germanium  
Silicon  
Sapphire  
Other Materials

By End Use  
Military and Defense  
Automotive  
Industrial  
Commercial and Public  
Residential  
Other

By Region:  
Europe  
UK  
Germany  
France  
Spain  
Italy  
ROE

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and Country level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

## Contents

### **CHAPTER 1. EUROPE IR (INFRARED) CAMERA MARKET DEFINITION AND RESEARCH ASSUMPTIONS**

- 1.1. Research Objective
- 1.2. Market Definition
- 1.3. Research Assumptions
  - 1.3.1. Inclusion & Exclusion
  - 1.3.2. Limitations
  - 1.3.3. Supply Side Analysis
    - 1.3.3.1. Availability
    - 1.3.3.2. Infrastructure
    - 1.3.3.3. Regulatory Environment
    - 1.3.3.4. Market Competition
    - 1.3.3.5. Economic Viability (Consumer's Perspective)
  - 1.3.4. Demand Side Analysis
    - 1.3.4.1. Regulatory frameworks
    - 1.3.4.2. Technological Advancements
    - 1.3.4.3. Environmental Considerations
    - 1.3.4.4. Consumer Awareness & Acceptance
- 1.4. Estimation Methodology
- 1.5. Years Considered for the Study
- 1.6. Currency Conversion Rates

### **CHAPTER 2. EXECUTIVE SUMMARY**

- 2.1. Europe IR (Infrared) Camera Market Size & Forecast (2022- 2032)
- 2.2. Regional Summary
- 2.3. Segmental Summary
  - 2.3.1. By Detector
  - 2.3.2. By Type
  - 2.3.3. By Material
  - 2.3.4. By End Use
- 2.4. Key Trends
- 2.5. Recession Impact
- 2.6. Analyst Recommendation & Conclusion

### **CHAPTER 3. EUROPE IR (INFRARED) CAMERA MARKET DYNAMICS**

*Europe IR (Infrared) Camera Market Size study, by Detector (Cooled, Uncooled), By Type (Near and Short-wavelen...*

- 3.1. Market Drivers
- 3.2. Market Challenges
- 3.3. Market Opportunities

## **CHAPTER 4. EUROPE IR (INFRARED) CAMERA MARKET INDUSTRY ANALYSIS**

- 4.1. Porter's 5 Force Model
  - 4.1.1. Bargaining Power of Suppliers
  - 4.1.2. Bargaining Power of Buyers
  - 4.1.3. Threat of New Entrants
  - 4.1.4. Threat of Substitutes
  - 4.1.5. Competitive Rivalry
  - 4.1.6. Futuristic Approach to Porter's 5 Force Model
  - 4.1.7. Porter's 5 Force Impact Analysis
- 4.2. PESTEL Analysis
  - 4.2.1. Political
  - 4.2.2. Economical
  - 4.2.3. Social
  - 4.2.4. Technological
  - 4.2.5. Environmental
  - 4.2.6. Legal
- 4.3. Top investment opportunity
- 4.4. Top winning strategies
- 4.5. Disruptive Trends
- 4.6. Industry Expert Perspective
- 4.7. Analyst Recommendation & Conclusion

## **CHAPTER 5. EUROPE IR (INFRARED) CAMERA MARKET SIZE & FORECASTS BY DETECTOR 2022-2032**

- 5.1. Cooled
- 5.2. Uncooled

## **CHAPTER 6. EUROPE IR (INFRARED) CAMERA MARKET SIZE & FORECASTS BY TYPE 2022-2032**

- 6.1. Near and Short-wavelength IR
- 6.2. Medium-wavelength IR

### 6.3. Long-wavelength IR

## **CHAPTER 7. EUROPE IR (INFRARED) CAMERA MARKET SIZE & FORECASTS BY MATERIAL 2022-2032**

### 7.1. Germanium

### 7.2. Silicon

### 7.3. Sapphire

### 7.4. Other Materials

## **CHAPTER 8. EUROPE IR (INFRARED) CAMERA MARKET SIZE & FORECASTS BY END USE 2022-2032**

### 8.1. Military and Defense

### 8.2. Automotive

### 8.3. Industrial

### 8.4. Commercial and Public

### 8.5. Residential

### 8.6. Other

## **CHAPTER 9. EUROPE IR (INFRARED) CAMERA MARKET SIZE & FORECASTS BY COUNTRY 2022-2032**

### 9.1. U.K. IR (Infrared) Camera Market

#### 9.1.1. Detector breakdown size & forecasts, 2022-2032

#### 9.1.2. Type breakdown size & forecasts, 2022-2032

#### 9.1.3. Material breakdown size & forecasts, 2022-2032

#### 9.1.4. End Use breakdown size & forecasts, 2022-2032

### 9.2. Germany IR (Infrared) Camera Market

### 9.3. France IR (Infrared) Camera Market

### 9.4. Spain IR (Infrared) Camera Market

### 9.5. Italy IR (Infrared) Camera Market

### 9.6. Rest of Europe IR (Infrared) Camera Market

## **CHAPTER 10. COMPETITIVE INTELLIGENCE**

### 10.1. Key Company SWOT Analysis

#### 10.1.1. Company

#### 10.1.2. Company

- 10.1.3. Company
- 10.2. Top Market Strategies
- 10.3. Company Profiles
  - 10.3.1. Testo SE & Co. Kgaa
    - 10.3.1.1. Key Information
    - 10.3.1.2. Overview
    - 10.3.1.3. Financial (Subject to Data Availability)
    - 10.3.1.4. Product Summary
    - 10.3.1.5. Market Strategies
  - 10.3.2. InfraTec GmbH
  - 10.3.3. Axis Communications AB
  - 10.3.4. Company
  - 10.3.5. Company
  - 10.3.6. Company
  - 10.3.7. Company
  - 10.3.8. Company
  - 10.3.9. Company
  - 10.3.10. Company

## **CHAPTER 11. RESEARCH PROCESS**

- 11.1. Research Process
  - 11.1.1. Data Mining
  - 11.1.2. Analysis
  - 11.1.3. Market Estimation
  - 11.1.4. Validation
  - 11.1.5. Publishing
- 11.2. Research Attributes



## List Of Tables

### LIST OF TABLES

TABLE 1. Europe IR (Infrared) Camera Market, report scope

TABLE 2. Europe IR (Infrared) Camera Market estimates & forecasts by Country 2022-2032 (USD Billion)

TABLE 3. Europe IR (Infrared) Camera Market estimates & forecasts by Detector 2022-2032 (USD Billion)

TABLE 4. Europe IR (Infrared) Camera Market estimates & forecasts by Type 2022-2032 (USD Billion)

TABLE 5. Europe IR (Infrared) Camera Market estimates & forecasts by Material 2022-2032 (USD Billion)

TABLE 6. Europe IR (Infrared) Camera Market estimates & forecasts by End Use 2022-2032 (USD Billion)

TABLE 7. Europe IR (Infrared) Camera Market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 8. Europe IR (Infrared) Camera Market by country, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 9. Europe IR (Infrared) Camera Market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 10. Europe IR (Infrared) Camera Market by country, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 11. Europe IR (Infrared) Camera Market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 12. Europe IR (Infrared) Camera Market by country, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 13. Europe IR (Infrared) Camera Market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 14. Europe IR (Infrared) Camera Market by country, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 15. Europe IR (Infrared) Camera Market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 16. Europe IR (Infrared) Camera Market by country, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 17. UK IR (Infrared) Camera Market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 18. UK IR (Infrared) Camera Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 19. UK IR (Infrared) Camera Market estimates & forecasts by segment  
2022-2032 (USD Billion)

TABLE 20. Germany IR (Infrared) Camera Market estimates & forecasts, 2022-2032  
(USD Billion)

TABLE 21. Germany IR (Infrared) Camera Market estimates & forecasts by segment  
2022-2032 (USD Billion)

TABLE 22. Germany IR (Infrared) Camera Market estimates & forecasts by segment  
2022-2032 (USD Billion)

TABLE 23. France IR (Infrared) Camera Market estimates & forecasts, 2022-2032 (USD  
Billion)

TABLE 24. France IR (Infrared) Camera Market estimates & forecasts by segment  
2022-2032 (USD Billion)

TABLE 25. France IR (Infrared) Camera Market estimates & forecasts by segment  
2022-2032 (USD Billion)

TABLE 26. Italy IR (Infrared) Camera Market estimates & forecasts, 2022-2032 (USD  
Billion)

TABLE 27. Italy IR (Infrared) Camera Market estimates & forecasts by segment  
2022-2032 (USD Billion)

TABLE 28. Italy IR (Infrared) Camera Market estimates & forecasts by segment  
2022-2032 (USD Billion)

TABLE 29. Spain IR (Infrared) Camera Market estimates & forecasts, 2022-2032 (USD  
Billion)

TABLE 30. Spain IR (Infrared) Camera Market estimates & forecasts by segment  
2022-2032 (USD Billion)

TABLE 31. Spain IR (Infrared) Camera Market estimates & forecasts by segment  
2022-2032 (USD Billion)

TABLE 32. RoE IR (Infrared) Camera Market estimates & forecasts, 2022-2032 (USD  
Billion)

TABLE 33. RoE IR (Infrared) Camera Market estimates & forecasts by segment  
2022-2032 (USD Billion)

TABLE 34. RoE IR (Infrared) Camera Market estimates & forecasts by segment  
2022-2032 (USD Billion)

TABLE 35. List of secondary sources, used in the study of Europe IR (Infrared) Camera  
Market.

TABLE 36. List of primary sources, used in the study of Europe IR (Infrared) Camera  
Market.

TABLE 37. Years considered for the study.

TABLE 38. Exchange rates considered.

## List Of Figures

### LIST OF FIGURES

- FIG 1. Europe IR (Infrared) Camera Market, research methodology
- FIG 2. Europe IR (Infrared) Camera Market, market estimation techniques
- FIG 3. Europe market size estimates & forecast methods.
- FIG 4. Europe IR (Infrared) Camera Market, key trends 2023
- FIG 5. Europe IR (Infrared) Camera Market, growth prospects 2022-2032
- FIG 6. Europe IR (Infrared) Camera Market, porters 5 force model
- FIG 7. Europe IR (Infrared) Camera Market, pestel analysis
- FIG 8. Europe IR (Infrared) Camera Market, value chain analysis
- FIG 9. Europe IR (Infrared) Camera Market by segment, 2022 & 2032 (USD Billion)
- FIG 10. Europe IR (Infrared) Camera Market by segment, 2022 & 2032 (USD Billion)
- FIG 11. Europe IR (Infrared) Camera Market by segment, 2022 & 2032 (USD Billion)
- FIG 12. Europe IR (Infrared) Camera Market by segment, 2022 & 2032 (USD Billion)
- FIG 13. Europe IR (Infrared) Camera Market by segment, 2022 & 2032 (USD Billion)
- FIG 14. Europe IR (Infrared) Camera Market, Country snapshot 2022 & 2032
- FIG 15. Europe IR (Infrared) Camera Market 2022 & 2032 (USD Billion)
- FIG 16. Europe IR (Infrared) Camera Market, company market share analysis (2023)

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