

Global Infrared Imaging Market Research Report 2019-2023

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Abstracts

The IR imaging market is poised for high growth on account of growing adoption in previously untapped applications. IR cameras were initially developed for military applications, which accounted for a majority of the global market revenue. For several years, the technology was limited to military & defense, academia, and niche markets. Developments in uncooled IR imaging technology coupled with the availability of reasonably priced IR cameras led to the commercialization of the IR imaging market. IR cameras have gained prominence in several applications such as firefighting, industrial imaging, security, and surveillance.

The Infrared Imaging market was estimated at USD\$ 6.43 billion in 2015, and is anticipated to reach USD\$ 9.58 billion by 2020, expanding at a CAGR of 8.3% between 2016 and 2020. Based on spectral range, the market can be segmented into Short Wave Infrared (SWIR) imaging, Medium Wave Infrared (MWIR) imaging, Long Wave Infrared (LWIR) imaging, and Far Wave Infrared (FWIR) imaging. Reduction in LWIR camera prices is expected to have a positive bearing on the penetration of the technology in security, surveillance, and automotive markets. The technology plays an important part in providing night-vision option in automobiles.

The infrared imaging market is led by the surveillance application which is further segmented into three types: military surveillance, homeland security, and industrial surveillance. The high demand for infrared imaging products, especially for military surveillance applications is one of the major factors driving the growth of the infrared imaging market for the surveillance application. The features of infrared imaging cameras such as wide field of vision, rapid processing, and the ability to identify the sources of movement in low-light conditions has led to increased use of these cameras for the military surveillance application.

North America held the largest market share in 2015, followed by Europe and Asia-Pacific. The U.S. accounted for the largest share of the North American infrared imaging market. This is attributed to the continuous technological developments in the U.S., followed by Canada and Mexico. Asia-Pacific offers potential growth opportunities owing to the increasing adoption of infrared imaging products in various applications such as surveillance and consumer electronics that are driving the infrared imaging market.

In the context of China-US trade war and global economic volatility and uncertainty, it will have a big influence on this market. Infrared Imaging Report by Material, Application, and Geography – Global Forecast to 2023 is a professional and comprehensive research report on the world's major regional market conditions, focusing on the main regions (North America, Europe and Asia-Pacific) and the main countries (United States, Germany, United Kingdom, Japan, South Korea and China).

The report firstly introduced the Infrared Imaging basics: definitions, classifications, applications and market overview; product specifications; manufacturing processes; cost structures, raw materials and so on. Then it analyzed the world's main region market conditions, including the product price, profit, capacity, production, supply, demand and market growth rate and forecast etc. In the end, the report introduced new project SWOT analysis, investment feasibility analysis, and investment return analysis.

Contents

PART I INFRARED IMAGING INDUSTRY OVERVIEW

CHAPTER ONE INFRARED IMAGING INDUSTRY OVERVIEW

- 1.1 Infrared Imaging Definition
- 1.2 Infrared Imaging Classification Analysis
 - 1.2.1 Infrared Imaging Main Classification Analysis
 - 1.2.2 Infrared Imaging Main Classification Share Analysis
- 1.3 Infrared Imaging Application Analysis
 - 1.3.1 Infrared Imaging Main Application Analysis
 - 1.3.2 Infrared Imaging Main Application Share Analysis
- 1.4 Infrared Imaging Industry Chain Structure Analysis
- 1.5 Infrared Imaging Industry Development Overview
 - 1.5.1 Infrared Imaging Product History Development Overview
 - 1.5.1 Infrared Imaging Product Market Development Overview
- 1.6 Infrared Imaging Global Market Comparison Analysis
 - 1.6.1 Infrared Imaging Global Import Market Analysis
 - 1.6.2 Infrared Imaging Global Export Market Analysis
 - 1.6.3 Infrared Imaging Global Main Region Market Analysis
 - 1.6.4 Infrared Imaging Global Market Comparison Analysis
 - 1.6.5 Infrared Imaging Global Market Development Trend Analysis

CHAPTER TWO INFRARED IMAGING UP AND DOWN STREAM INDUSTRY ANALYSIS

- 2.1 Upstream Raw Materials Analysis
 - 2.1.1 Proportion of Manufacturing Cost
 - 2.1.2 Manufacturing Cost Structure of Infrared Imaging Analysis
- 2.2 Down Stream Market Analysis
 - 2.2.1 Down Stream Market Analysis
 - 2.2.2 Down Stream Demand Analysis
 - 2.2.3 Down Stream Market Trend Analysis

PART II ASIA INFRARED IMAGING INDUSTRY (THE REPORT COMPANY INCLUDING THE BELOW LISTED BUT NOT ALL)

CHAPTER THREE ASIA INFRARED IMAGING MARKET ANALYSIS

- 3.1 Asia Infrared Imaging Product Development History
- 3.2 Asia Infrared Imaging Competitive Landscape Analysis
- 3.3 Asia Infrared Imaging Market Development Trend

CHAPTER FOUR 2014-2019 ASIA INFRARED IMAGING PRODUCTIONS SUPPLY SALES DEMAND MARKET STATUS AND FORECAST

- 4.1 2014-2019 Infrared Imaging Production Overview
- 4.2 2014-2019 Infrared Imaging Production Market Share Analysis
- 4.3 2014-2019 Infrared Imaging Demand Overview
- 4.4 2014-2019 Infrared Imaging Supply Demand and Shortage
- 4.5 2014-2019 Infrared Imaging Import Export Consumption
- 4.6 2014-2019 Infrared Imaging Cost Price Production Value Gross Margin

CHAPTER FIVE ASIA INFRARED IMAGING KEY MANUFACTURERS ANALYSIS

- 5.1 Company A
 - 5.1.1 Company Profile
 - 5.1.2 Product Picture and Specification
 - 5.1.3 Product Application Analysis
 - 5.1.4 Capacity Production Price Cost Production Value
 - 5.1.5 Contact Information
- 5.2 Company B
 - 5.2.1 Company Profile
 - 5.2.2 Product Picture and Specification
 - 5.2.3 Product Application Analysis
 - 5.2.4 Capacity Production Price Cost Production Value
 - 5.2.5 Contact Information
- 5.3 Company C
 - 5.3.1 Company Profile
 - 5.3.2 Product Picture and Specification
 - 5.3.3 Product Application Analysis
 - 5.3.4 Capacity Production Price Cost Production Value
 - 5.3.5 Contact Information
- 5.4 Company D
 - 5.4.1 Company Profile
 - 5.4.2 Product Picture and Specification
 - 5.4.3 Product Application Analysis

5.4.4 Capacity Production Price Cost Production Value

5.4.5 Contact Information

CHAPTER SIX ASIA INFRARED IMAGING INDUSTRY DEVELOPMENT TREND

6.1 2019-2023 Infrared Imaging Production Overview

6.2 2019-2023 Infrared Imaging Production Market Share Analysis

6.3 2019-2023 Infrared Imaging Demand Overview

6.4 2019-2023 Infrared Imaging Supply Demand and Shortage

6.5 2019-2023 Infrared Imaging Import Export Consumption

6.6 2019-2023 Infrared Imaging Cost Price Production Value Gross Margin

PART III NORTH AMERICAN INFRARED IMAGING INDUSTRY (THE REPORT COMPANY INCLUDING THE BELOW LISTED BUT NOT ALL)

CHAPTER SEVEN NORTH AMERICAN INFRARED IMAGING MARKET ANALYSIS

7.1 North American Infrared Imaging Product Development History

7.2 North American Infrared Imaging Competitive Landscape Analysis

7.3 North American Infrared Imaging Market Development Trend

CHAPTER EIGHT 2014-2019 NORTH AMERICAN INFRARED IMAGING PRODUCTIONS SUPPLY SALES DEMAND MARKET STATUS AND FORECAST

8.1 2014-2019 Infrared Imaging Production Overview

8.2 2014-2019 Infrared Imaging Production Market Share Analysis

8.3 2014-2019 Infrared Imaging Demand Overview

8.4 2014-2019 Infrared Imaging Supply Demand and Shortage

8.5 2014-2019 Infrared Imaging Import Export Consumption

8.6 2014-2019 Infrared Imaging Cost Price Production Value Gross Margin

CHAPTER NINE NORTH AMERICAN INFRARED IMAGING KEY MANUFACTURERS ANALYSIS

9.1 Company A

9.1.1 Company Profile

9.1.2 Product Picture and Specification

9.1.3 Product Application Analysis

9.1.4 Capacity Production Price Cost Production Value

- 9.1.5 Contact Information
- 9.2 Company B
 - 9.2.1 Company Profile
 - 9.2.2 Product Picture and Specification
 - 9.2.3 Product Application Analysis
 - 9.2.4 Capacity Production Price Cost Production Value
 - 9.2.5 Contact Information

CHAPTER TEN NORTH AMERICAN INFRARED IMAGING INDUSTRY DEVELOPMENT TREND

- 10.1 2019-2023 Infrared Imaging Production Overview
- 10.2 2019-2023 Infrared Imaging Production Market Share Analysis
- 10.3 2019-2023 Infrared Imaging Demand Overview
- 10.4 2019-2023 Infrared Imaging Supply Demand and Shortage
- 10.5 2019-2023 Infrared Imaging Import Export Consumption
- 10.6 2019-2023 Infrared Imaging Cost Price Production Value Gross Margin

PART IV EUROPE INFRARED IMAGING INDUSTRY ANALYSIS (THE REPORT COMPANY INCLUDING THE BELOW LISTED BUT NOT ALL)

CHAPTER ELEVEN EUROPE INFRARED IMAGING MARKET ANALYSIS

- 11.1 Europe Infrared Imaging Product Development History
- 11.2 Europe Infrared Imaging Competitive Landscape Analysis
- 11.3 Europe Infrared Imaging Market Development Trend

CHAPTER TWELVE 2014-2019 EUROPE INFRARED IMAGING PRODUCTIONS SUPPLY SALES DEMAND MARKET STATUS AND FORECAST

- 12.1 2014-2019 Infrared Imaging Production Overview
- 12.2 2014-2019 Infrared Imaging Production Market Share Analysis
- 12.3 2014-2019 Infrared Imaging Demand Overview
- 12.4 2014-2019 Infrared Imaging Supply Demand and Shortage
- 12.5 2014-2019 Infrared Imaging Import Export Consumption
- 12.6 2014-2019 Infrared Imaging Cost Price Production Value Gross Margin

CHAPTER THIRTEEN EUROPE INFRARED IMAGING KEY MANUFACTURERS ANALYSIS

13.1 Company A

13.1.1 Company Profile

13.1.2 Product Picture and Specification

13.1.3 Product Application Analysis

13.1.4 Capacity Production Price Cost Production Value

13.1.5 Contact Information

13.2 Company B

13.2.1 Company Profile

13.2.2 Product Picture and Specification

13.2.3 Product Application Analysis

13.2.4 Capacity Production Price Cost Production Value

13.2.5 Contact Information

CHAPTER FOURTEEN EUROPE INFRARED IMAGING INDUSTRY DEVELOPMENT TREND

14.1 2019-2023 Infrared Imaging Production Overview

14.2 2019-2023 Infrared Imaging Production Market Share Analysis

14.3 2019-2023 Infrared Imaging Demand Overview

14.4 2019-2023 Infrared Imaging Supply Demand and Shortage

14.5 2019-2023 Infrared Imaging Import Export Consumption

14.6 2019-2023 Infrared Imaging Cost Price Production Value Gross Margin

PART V INFRARED IMAGING MARKETING CHANNELS AND INVESTMENT FEASIBILITY

CHAPTER FIFTEEN INFRARED IMAGING MARKETING CHANNELS DEVELOPMENT PROPOSALS ANALYSIS

15.1 Infrared Imaging Marketing Channels Status

15.2 Infrared Imaging Marketing Channels Characteristic

15.3 Infrared Imaging Marketing Channels Development Trend

15.2 New Firms Enter Market Strategy

15.3 New Project Investment Proposals

CHAPTER SIXTEEN DEVELOPMENT ENVIRONMENTAL ANALYSIS

16.1 China Macroeconomic Environment Analysis

- 16.2 European Economic Environmental Analysis
- 16.3 United States Economic Environmental Analysis
- 16.4 Japan Economic Environmental Analysis
- 16.5 Global Economic Environmental Analysis

CHAPTER SEVENTEEN INFRARED IMAGING NEW PROJECT INVESTMENT FEASIBILITY ANALYSIS

- 17.1 Infrared Imaging Market Analysis
- 17.2 Infrared Imaging Project SWOT Analysis
- 17.3 Infrared Imaging New Project Investment Feasibility Analysis

PART VI GLOBAL INFRARED IMAGING INDUSTRY CONCLUSIONS

CHAPTER EIGHTEEN 2014-2019 GLOBAL INFRARED IMAGING PRODUCTIONS SUPPLY SALES DEMAND MARKET STATUS AND FORECAST

- 18.1 2014-2019 Infrared Imaging Production Overview
- 18.2 2014-2019 Infrared Imaging Production Market Share Analysis
- 18.3 2014-2019 Infrared Imaging Demand Overview
- 18.4 2014-2019 Infrared Imaging Supply Demand and Shortage
- 18.5 2014-2019 Infrared Imaging Import Export Consumption
- 18.6 2014-2019 Infrared Imaging Cost Price Production Value Gross Margin

CHAPTER NINETEEN GLOBAL INFRARED IMAGING INDUSTRY DEVELOPMENT TREND

- 19.1 2019-2023 Infrared Imaging Production Overview
- 19.2 2019-2023 Infrared Imaging Production Market Share Analysis
- 19.3 2019-2023 Infrared Imaging Demand Overview
- 19.4 2019-2023 Infrared Imaging Supply Demand and Shortage
- 19.5 2019-2023 Infrared Imaging Import Export Consumption
- 19.6 2019-2023 Infrared Imaging Cost Price Production Value Gross Margin

CHAPTER TWENTY GLOBAL INFRARED IMAGING INDUSTRY RESEARCH CONCLUSIONS

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