

# Global Short Wavelength Infra-Red (SWIR) Lenses Competitive Landscape Professional Research Report 2025

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## Abstracts

### Market Overview

According to DIRResearch's in-depth investigation and research, the global Short Wavelength Infra-Red (SWIR) Lenses market size will reach 51.11 Million USD in 2025 and is projected to reach 98.40 Million USD by 2032, with a CAGR of 9.81% (2025-2032). Notably, the China Short Wavelength Infra-Red (SWIR) Lenses market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

### Research Summary

Short Wavelength Infra-Red (SWIR) lenses are specialized optical components designed to focus and transmit light in the short wavelength infrared spectrum, typically ranging from 0.9 to 1.7 micrometers ( $\mu\text{m}$ ). These lenses are crucial in applications requiring high sensitivity and resolution in low-light or challenging environmental conditions. SWIR lenses are used in various fields, including surveillance, industrial inspection, and scientific research, where they enable the detection of details not visible in the visible light spectrum. Their design often incorporates materials such as germanium, chalcogenide glass, or special coatings to optimize performance in the SWIR range, ensuring minimal chromatic aberration and maximum image clarity.

The major global manufacturers of Short Wavelength Infra-Red (SWIR) Lenses include Schneider Group, Kowa Company, Nanjing Wavelength Opto-Electronic, Navitar, StingRay Optics, Opto Engineering, Shibuya Optical, Seiwa Optical, Limit Optics, SPACE, Beck Optronic Solutions, Resolve Optics, YAMAKO, SWIR Vision Systems,

HongKe, etc. The global players competition landscape in this report is divided into three tiers. The first tier comprises global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of Short Wavelength Infra-Red (SWIR) Lenses. Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major manufacturers, as well as the market status and trends of different product types and applications in the global Short Wavelength Infra-Red (SWIR) Lenses market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the Short Wavelength Infra-Red (SWIR) Lenses market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of Short Wavelength Infra-Red (SWIR) Lenses industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

Global Key Manufacturers of Short Wavelength Infra-Red (SWIR) Lenses Include:

Schneider Group

Kowa Company

Nanjing Wavelength Opto-Electronic

Navitar

StingRay Optics

Opto Engineering

Shibuya Optical

Seiwa Optical

Limit Optics

SPACE

Beck Optronic Solutions

Resolve Optics

YAMAHO

SWIR Vision Systems

HongKe

Short Wavelength Infra-Red (SWIR) Lenses Product Segment Include:

Prime Lens

Zoom Lens

Short Wavelength Infra-Red (SWIR) Lenses Product Application Include:

Industrial

Military and Defense

Scientific Research

Others

## **Chapter Scope**

Chapter 1: Product Research Range, Product Types and Applications, Market Overview, Market Situation and Trends

Chapter 2: Global Short Wavelength Infra-Red (SWIR) Lenses Industry PESTEL Analysis

Chapter 3: Global Short Wavelength Infra-Red (SWIR) Lenses Industry Porter's Five Forces Analysis

Chapter 4: Global Short Wavelength Infra-Red (SWIR) Lenses Major Regional Market Size (Revenue, Sales, Price) and Forecast Analysis

Chapter 5: Global Short Wavelength Infra-Red (SWIR) Lenses Market Size and Forecast by Type and Application Analysis

Chapter 6: North America Short Wavelength Infra-Red (SWIR) Lenses Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 7: Europe Short Wavelength Infra-Red (SWIR) Lenses Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 8: China Short Wavelength Infra-Red (SWIR) Lenses Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 9: APAC (Excl. China) Short Wavelength Infra-Red (SWIR) Lenses Competitive

Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 10: Latin America Short Wavelength Infra-Red (SWIR) Lenses Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 11: Middle East and Africa Short Wavelength Infra-Red (SWIR) Lenses Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 12: Global Short Wavelength Infra-Red (SWIR) Lenses Competitive Analysis of Key Manufacturers (Sales, Revenue, Market Share, Price, Regional Distribution and Industry Concentration)

Chapter 13: Key Company Profiles (Product Portfolio, Sales, Revenue, Price and Gross Margin)

Chapter 14: Industrial Chain Analysis, Include Raw Material Suppliers, Distributors and Customers

Chapter 15: Research Findings and Conclusion

Chapter 16: Methodology and Data Sources

## Contents

### **1 SHORT WAVELENGTH INFRA-RED (SWIR) LENSES MARKET OVERVIEW**

- 1.1 Product Definition and Statistical Scope
- 1.2 Short Wavelength Infra-Red (SWIR) Lenses Product by Type
  - 1.2.1 Prime Lens
  - 1.2.2 Zoom Lens
- 1.3 Short Wavelength Infra-Red (SWIR) Lenses Product by Application
  - 1.3.1 Industrial
  - 1.3.2 Military and Defense
  - 1.3.3 Scientific Research
  - 1.3.4 Others
- 1.4 Global Short Wavelength Infra-Red (SWIR) Lenses Market Revenue and Sales Analysis
  - 1.4.1 Global Short Wavelength Infra-Red (SWIR) Lenses Revenue Market Size Analysis (2020-2032)
  - 1.4.2 Global Short Wavelength Infra-Red (SWIR) Lenses Sales Market Size Analysis (2020-2032)
  - 1.4.3 Global Short Wavelength Infra-Red (SWIR) Lenses Market Sales Price Trend Analysis (2020-2032)
- 1.5 Short Wavelength Infra-Red (SWIR) Lenses Industry Trends and Innovation
  - 1.5.1 Short Wavelength Infra-Red (SWIR) Lenses Industry Trends and Innovation
  - 1.5.2 Short Wavelength Infra-Red (SWIR) Lenses Market Drivers and Challenges

### **2 SHORT WAVELENGTH INFRA-RED (SWIR) LENSES MARKET PESTEL ANALYSIS**

- 2.1 Political Factors Analysis
- 2.2 Economic Factors Analysis
- 2.3 Social Factors Analysis
- 2.4 Technological Factors Analysis
- 2.5 Environmental Factors Analysis
- 2.6 Legal Factors Analysis

### **3 SHORT WAVELENGTH INFRA-RED (SWIR) LENSES MARKET PORTER'S FIVE FORCES ANALYSIS**

- 3.1 Competitive Rivalry

- 3.2 Threat of New Entrants
- 3.3 Bargaining Power of Suppliers
- 3.4 Bargaining Power of Buyers
- 3.5 Threat of Substitutes

## **4 GLOBAL SHORT WAVELENGTH INFRA-RED (SWIR) LENSES MARKET ANALYSIS BY REGIONS**

- 4.1 Global Short Wavelength Infra-Red (SWIR) Lenses Overall Market: 2024 VS 2025 VS 2032
- 4.2 Global Short Wavelength Infra-Red (SWIR) Lenses Revenue and Forecast Analysis (2020-2032)
  - 4.2.1 Global Short Wavelength Infra-Red (SWIR) Lenses Revenue and Market Share by Region (2020-2025)
  - 4.2.2 Global Short Wavelength Infra-Red (SWIR) Lenses Revenue and Market Share Forecast by Region (2026-2032)
- 4.3 Global Short Wavelength Infra-Red (SWIR) Lenses Sales and Forecast Analysis (2020-2032)
  - 4.3.1 Global Short Wavelength Infra-Red (SWIR) Lenses Sales and Market Share by Region (2020-2025)
  - 4.3.2 Global Short Wavelength Infra-Red (SWIR) Lenses Sales and Market Share Forecast by Region (2026-2032)
- 4.4 Global Short Wavelength Infra-Red (SWIR) Lenses Sales Price Trend Analysis (2020-2032)

## **5 GLOBAL SHORT WAVELENGTH INFRA-RED (SWIR) LENSES MARKET SIZE BY TYPE AND APPLICATION**

- 5.1 Global Short Wavelength Infra-Red (SWIR) Lenses Market Size by Type
  - 5.1.1 Global Short Wavelength Infra-Red (SWIR) Lenses Revenue and Forecast Analysis by Type (2020-2032)
  - 5.1.2 Global Short Wavelength Infra-Red (SWIR) Lenses Sales and Forecast Analysis by Type (2020-2032)
- 5.2 Global Short Wavelength Infra-Red (SWIR) Lenses Market Size by Application
  - 5.2.1 Global Short Wavelength Infra-Red (SWIR) Lenses Revenue and Forecast Analysis by Application (2020-2032)
  - 5.2.2 Global Short Wavelength Infra-Red (SWIR) Lenses Sales and Forecast Analysis by Application (2020-2032)

## **6 NORTH AMERICA**

6.1 North America Short Wavelength Infra-Red (SWIR) Lenses Market Size and Growth Rate Analysis (2020-2032)

6.2 North America Key Manufacturers Analysis

6.3 North America Short Wavelength Infra-Red (SWIR) Lenses Market Size by Type

6.3.1 North America Short Wavelength Infra-Red (SWIR) Lenses Sales by Type (2020-2032)

6.3.2 North America Short Wavelength Infra-Red (SWIR) Lenses Revenue by Type (2020-2032)

6.4 North America Short Wavelength Infra-Red (SWIR) Lenses Market Size by Application

6.4.1 North America Short Wavelength Infra-Red (SWIR) Lenses Sales by Application (2020-2032)

6.4.2 North America Short Wavelength Infra-Red (SWIR) Lenses Revenue by Application (2020-2032)

6.5 North America Short Wavelength Infra-Red (SWIR) Lenses Market Size by Country

6.5.1 US

6.5.2 Canada

## **7 EUROPE**

7.1 Europe Short Wavelength Infra-Red (SWIR) Lenses Market Size and Growth Rate Analysis (2020-2032)

7.2 Europe Key Manufacturers Analysis

7.3 Europe Short Wavelength Infra-Red (SWIR) Lenses Market Size by Type

7.3.1 Europe Short Wavelength Infra-Red (SWIR) Lenses Sales by Type (2020-2032)

7.3.2 Europe Short Wavelength Infra-Red (SWIR) Lenses Revenue by Type (2020-2032)

7.4 Europe Short Wavelength Infra-Red (SWIR) Lenses Market Size by Application

7.4.1 Europe Short Wavelength Infra-Red (SWIR) Lenses Sales by Application (2020-2032)

7.4.2 Europe Short Wavelength Infra-Red (SWIR) Lenses Revenue by Application (2020-2032)

7.5 Europe Short Wavelength Infra-Red (SWIR) Lenses Market Size by Country

7.5.1 Germany

7.5.2 France

7.5.3 United Kingdom

7.5.4 Italy

7.5.5 Spain

7.5.6 Benelux

## **8 CHINA**

8.1 China Short Wavelength Infra-Red (SWIR) Lenses Market Size and Growth Rate Analysis (2020-2032)

8.2 China Key Manufacturers Analysis

8.3 China Short Wavelength Infra-Red (SWIR) Lenses Market Size by Type

8.3.1 China Short Wavelength Infra-Red (SWIR) Lenses Sales by Type (2020-2032)

8.3.2 China Short Wavelength Infra-Red (SWIR) Lenses Revenue by Type (2020-2032)

8.4 China Short Wavelength Infra-Red (SWIR) Lenses Market Size by Application

8.4.1 China Short Wavelength Infra-Red (SWIR) Lenses Sales by Application (2020-2032)

8.4.2 China Short Wavelength Infra-Red (SWIR) Lenses Revenue by Application (2020-2032)

## **9 APAC (EXCL. CHINA)**

9.1 APAC (excl. China) Short Wavelength Infra-Red (SWIR) Lenses Market Size and Growth Rate Analysis (2020-2032)

9.2 APAC (excl. China) Key Manufacturers Analysis

9.3 APAC (excl. China) Short Wavelength Infra-Red (SWIR) Lenses Market Size by Type

9.3.1 APAC (excl. China) Short Wavelength Infra-Red (SWIR) Lenses Sales by Type (2020-2032)

9.3.2 APAC (excl. China) Short Wavelength Infra-Red (SWIR) Lenses Revenue by Type (2020-2032)

9.4 APAC (excl. China) Short Wavelength Infra-Red (SWIR) Lenses Market Size by Application

9.4.1 APAC (excl. China) Short Wavelength Infra-Red (SWIR) Lenses Sales by Application (2020-2032)

9.4.2 APAC (excl. China) Short Wavelength Infra-Red (SWIR) Lenses Revenue by Application (2020-2032)

9.5 APAC (excl. China) Short Wavelength Infra-Red (SWIR) Lenses Market Size by Country

9.5.1 Japan

9.5.2 South Korea

- 9.5.3 India
- 9.5.4 Australia
- 9.5.5 Southeast Asia

## **10 LATIN AMERICA**

- 10.1 Latin America Short Wavelength Infra-Red (SWIR) Lenses Market Size and Growth Rate Analysis (2020-2032)
- 10.2 Latin America Key Manufacturers Analysis
- 10.3 Latin America Short Wavelength Infra-Red (SWIR) Lenses Market Size by Type
  - 10.3.1 Latin America Short Wavelength Infra-Red (SWIR) Lenses Sales by Type (2020-2032)
  - 10.3.2 Latin America Short Wavelength Infra-Red (SWIR) Lenses Revenue by Type (2020-2032)
- 10.4 Latin America Short Wavelength Infra-Red (SWIR) Lenses Market Size by Application
  - 10.4.1 Latin America Short Wavelength Infra-Red (SWIR) Lenses Sales by Application (2020-2032)
  - 10.4.2 Latin America Short Wavelength Infra-Red (SWIR) Lenses Revenue by Application (2020-2032)
- 10.5 Latin America Short Wavelength Infra-Red (SWIR) Lenses Market Size by Country
- 10.6 Latin America Short Wavelength Infra-Red (SWIR) Lenses Market Size by Country
  - 10.6.1 Mexico
  - 10.6.2 Brazil

## **11 MIDDLE EAST & AFRICA**

- 11.1 Middle East & Africa Short Wavelength Infra-Red (SWIR) Lenses Market Size and Growth Rate Analysis (2020-2032)
- 11.2 Middle East & Africa Key Manufacturers Analysis
- 11.3 Middle East & Africa Short Wavelength Infra-Red (SWIR) Lenses Market Size by Type
  - 11.3.1 Middle East & Africa Short Wavelength Infra-Red (SWIR) Lenses Sales by Type (2020-2032)
  - 11.3.2 Middle East & Africa Short Wavelength Infra-Red (SWIR) Lenses Revenue by Type (2020-2032)
- 11.4 Middle East & Africa Short Wavelength Infra-Red (SWIR) Lenses Market Size by Application
  - 11.4.1 Middle East & Africa Short Wavelength Infra-Red (SWIR) Lenses Sales by

Application (2020-2032)

11.4.2 Middle East & Africa Short Wavelength Infra-Red (SWIR) Lenses Revenue by Application (2020-2032)

11.5 Middle East Short Wavelength Infra-Red (SWIR) Lenses Market Size by Country

11.5.1 Saudi Arabia

11.5.2 South Africa

## **12 COMPETITION BY MANUFACTURERS**

12.1 Global Short Wavelength Infra-Red (SWIR) Lenses Market Sales, Revenue and Price by Key Manufacturers (2021-2025)

12.1.1 Global Short Wavelength Infra-Red (SWIR) Lenses Market Sales by Key Manufacturers (2021-2025)

12.1.2 Global Short Wavelength Infra-Red (SWIR) Lenses Market Revenue by Key Manufacturers (2021-2025)

12.1.3 Global Short Wavelength Infra-Red (SWIR) Lenses Average Sales Price by Manufacturers (2021-2025)

12.2 Short Wavelength Infra-Red (SWIR) Lenses Competitive Landscape Analysis and Market Dynamic

12.2.1 Short Wavelength Infra-Red (SWIR) Lenses Competitive Landscape Analysis

12.2.2 Global Key Manufacturers Headquarter Location and Key Area Sales

12.2.3 Market Dynamic

## **13 KEY COMPANIES ANALYSIS**

13.1 Schneider Group

13.1.1 Schneider Group Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.1.2 Schneider Group Short Wavelength Infra-Red (SWIR) Lenses Product Portfolio

13.1.3 Schneider Group Short Wavelength Infra-Red (SWIR) Lenses Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.2 Kowa Company

13.2.1 Kowa Company Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.2.2 Kowa Company Short Wavelength Infra-Red (SWIR) Lenses Product Portfolio

13.2.3 Kowa Company Short Wavelength Infra-Red (SWIR) Lenses Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.3 Nanjing Wavelength Opto-Electronic

13.3.1 Nanjing Wavelength Opto-Electronic Basic Company Profile (Employees, Areas

Service, Competitors and Contact Information)

13.3.2 Nanjing Wavelength Opto-Electronic Short Wavelength Infra-Red (SWIR)

Lenses Product Portfolio

13.3.3 Nanjing Wavelength Opto-Electronic Short Wavelength Infra-Red (SWIR)

Lenses Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.4 Navitar

13.4.1 Navitar Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.4.2 Navitar Short Wavelength Infra-Red (SWIR) Lenses Product Portfolio

13.4.3 Navitar Short Wavelength Infra-Red (SWIR) Lenses Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.5 StingRay Optics

13.5.1 StingRay Optics Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.5.2 StingRay Optics Short Wavelength Infra-Red (SWIR) Lenses Product Portfolio

13.5.3 StingRay Optics Short Wavelength Infra-Red (SWIR) Lenses Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.6 Opto Engineering

13.6.1 Opto Engineering Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.6.2 Opto Engineering Short Wavelength Infra-Red (SWIR) Lenses Product Portfolio

13.6.3 Opto Engineering Short Wavelength Infra-Red (SWIR) Lenses Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.7 Shibuya Optical

13.7.1 Shibuya Optical Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.7.2 Shibuya Optical Short Wavelength Infra-Red (SWIR) Lenses Product Portfolio

13.7.3 Shibuya Optical Short Wavelength Infra-Red (SWIR) Lenses Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.8 Seiwa Optical

13.8.1 Seiwa Optical Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.8.2 Seiwa Optical Short Wavelength Infra-Red (SWIR) Lenses Product Portfolio

13.8.3 Seiwa Optical Short Wavelength Infra-Red (SWIR) Lenses Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.9 Limit Optics

13.9.1 Limit Optics Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.9.2 Limit Optics Short Wavelength Infra-Red (SWIR) Lenses Product Portfolio

13.9.3 Limit Optics Short Wavelength Infra-Red (SWIR) Lenses Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.10 SPACE

13.10.1 SPACE Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.10.2 SPACE Short Wavelength Infra-Red (SWIR) Lenses Product Portfolio

13.10.3 SPACE Short Wavelength Infra-Red (SWIR) Lenses Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.11 Beck Optronic Solutions

13.11.1 Beck Optronic Solutions Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.11.2 Beck Optronic Solutions Short Wavelength Infra-Red (SWIR) Lenses Product Portfolio

13.11.3 Beck Optronic Solutions Short Wavelength Infra-Red (SWIR) Lenses Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.12 Resolve Optics

13.12.1 Resolve Optics Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.12.2 Resolve Optics Short Wavelength Infra-Red (SWIR) Lenses Product Portfolio

13.12.3 Resolve Optics Short Wavelength Infra-Red (SWIR) Lenses Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.13 YAMA KO

13.13.1 YAMA KO Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.13.2 YAMA KO Short Wavelength Infra-Red (SWIR) Lenses Product Portfolio

13.13.3 YAMA KO Short Wavelength Infra-Red (SWIR) Lenses Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.14 SWIR Vision Systems

13.14.1 SWIR Vision Systems Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.14.2 SWIR Vision Systems Short Wavelength Infra-Red (SWIR) Lenses Product Portfolio

13.14.3 SWIR Vision Systems Short Wavelength Infra-Red (SWIR) Lenses Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.15 HongKe

13.15.1 HongKe Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.15.2 HongKe Short Wavelength Infra-Red (SWIR) Lenses Product Portfolio

13.15.3 HongKe Short Wavelength Infra-Red (SWIR) Lenses Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

## **14 INDUSTRY CHAIN ANALYSIS**

14.1 Short Wavelength Infra-Red (SWIR) Lenses Industry Chain Analysis

14.2 Short Wavelength Infra-Red (SWIR) Lenses Industry Raw Material and Suppliers Analysis

14.2.1 Short Wavelength Infra-Red (SWIR) Lenses Key Raw Material Supply Analysis

14.2.2 Raw Material Suppliers and Contact Information

14.3 Short Wavelength Infra-Red (SWIR) Lenses Typical Downstream Customers

14.4 Short Wavelength Infra-Red (SWIR) Lenses Sales Channel Analysis

## **15 RESEARCH FINDINGS AND CONCLUSION**

## **16 METHODOLOGY AND DATA SOURCE**

16.1 Methodology/Research Approach

16.2 Research Scope

16.3 Benchmarks and Assumptions

16.4 Data Source

16.4.1 Primary Sources

16.4.2 Secondary Sources

16.5 Data Cross Validation

16.6 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1: Global Short Wavelength Infra-Red (SWIR) Lenses Market Size Growth Rate by Type, 2024 VS 2025 VS 2032 (US\$ Million)

Table 2: Global Short Wavelength Infra-Red (SWIR) Lenses Market Size Growth Rate by Application, 2024 VS 2025 VS 2032 (US\$ Million)

Table 3: Short Wavelength Infra-Red (SWIR) Lenses Industry Development Status

Table 4: Short Wavelength Infra-Red (SWIR) Lenses Industry Development Trends

Table 5: Global Short Wavelength Infra-Red (SWIR) Lenses Market Size by Region in US\$ Million: 2024 VS 2025 VS 2032

Table 6: Global Short Wavelength Infra-Red (SWIR) Lenses Revenue by Region (2020-2025) & (US\$ Million)

Table 7: Global Short Wavelength Infra-Red (SWIR) Lenses Revenue Market Share by Region (2020-2025)

Table 8: Global Short Wavelength Infra-Red (SWIR) Lenses Revenue Forecast by Region (2026-2032) & (US\$ Million)

Table 9: Global Short Wavelength Infra-Red (SWIR) Lenses Revenue Market Share Forecast by Region (2026-2032)

Table 10: Global Short Wavelength Infra-Red (SWIR) Lenses Sales by Region (2020-2025) & (Units)

Table 11: Global Short Wavelength Infra-Red (SWIR) Lenses Sales Market Share by Region (2020-2025)

Table 12: Global Short Wavelength Infra-Red (SWIR) Lenses Sales Forecast by Region (2026-2032) & (Units)

Table 13: Global Short Wavelength Infra-Red (SWIR) Lenses Sales Market Share Forecast by Region (2026-2032)

Table 14: Global Short Wavelength Infra-Red (SWIR) Lenses Revenue Analysis by Type (2020-2025) & (US\$ Million)

Table 15: Global Short Wavelength Infra-Red (SWIR) Lenses Revenue Analysis Forecast by Type (2026-2032) & (US\$ Million)

Table 16: Global Short Wavelength Infra-Red (SWIR) Lenses Sales Analysis by Type (2020-2025) & (Units)

Table 17: Global Short Wavelength Infra-Red (SWIR) Lenses Sales Analysis Forecast by Type (2026-2032) & (Units)

Table 18: Global Short Wavelength Infra-Red (SWIR) Lenses Revenue Analysis by Application (2020-2025) & (US\$ Million)

Table 19: Global Short Wavelength Infra-Red (SWIR) Lenses Revenue Analysis

Forecast by Application (2026-2032) & (US\$ Million)

Table 20: Global Short Wavelength Infra-Red (SWIR) Lenses Sales Analysis by Application (2020-2025) & (Units)

Table 21: Global Short Wavelength Infra-Red (SWIR) Lenses Sales Analysis Forecast by Application (2026-2032) & (Units)

Table 22: Key Short Wavelength Infra-Red (SWIR) Lenses Players in North America

Table 23: North America Short Wavelength Infra-Red (SWIR) Lenses Sales by Type (2020-2025) & (Units)

Table 24: North America Short Wavelength Infra-Red (SWIR) Lenses Sales by Type (2026-2032) & (Units)

Table 25: North America Short Wavelength Infra-Red (SWIR) Lenses Revenue by Type (2020-2025) & (US\$ Million)

Table 26: North America Short Wavelength Infra-Red (SWIR) Lenses Revenue by Type (2026-2032) & (US\$ Million)

Table 27: North America Short Wavelength Infra-Red (SWIR) Lenses Sales by Application (2020-2025) & (Units)

Table 28: North America Short Wavelength Infra-Red (SWIR) Lenses Sales by Application (2026-2032) & (Units)

Table 29: North America Short Wavelength Infra-Red (SWIR) Lenses Revenue by Application (2020-2025) & (US\$ Million)

Table 30: North America Short Wavelength Infra-Red (SWIR) Lenses Revenue by Application (2026-2032) & (US\$ Million)

Table 31: North America Short Wavelength Infra-Red (SWIR) Lenses Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 32: North America Short Wavelength Infra-Red (SWIR) Lenses Revenue Market Size by Country (2026-2032) & (US\$ Million)

Table 33: North America Short Wavelength Infra-Red (SWIR) Lenses Sales Market Size by Country (2020-2025) & (Units)

Table 34: North America Short Wavelength Infra-Red (SWIR) Lenses Sales Market Size by Country (2026-2032) & (Units)

Table 35: Key Short Wavelength Infra-Red (SWIR) Lenses Players in Europe

Table 36: Europe Short Wavelength Infra-Red (SWIR) Lenses Sales by Type (2020-2025) & (Units)

Table 37: Europe Short Wavelength Infra-Red (SWIR) Lenses Sales by Type (2026-2032) & (Units)

Table 38: Europe Short Wavelength Infra-Red (SWIR) Lenses Revenue by Type (2020-2025) & (US\$ Million)

Table 39: Europe Short Wavelength Infra-Red (SWIR) Lenses Revenue by Type (2026-2032) & (US\$ Million)

Table 40: Europe Short Wavelength Infra-Red (SWIR) Lenses Sales by Application (2020-2025) & (Units)

Table 41: Europe Short Wavelength Infra-Red (SWIR) Lenses Sales by Application (2026-2032) & (Units)

Table 42: Europe Short Wavelength Infra-Red (SWIR) Lenses Revenue by Application (2020-2025) & (US\$ Million)

Table 43: Europe Short Wavelength Infra-Red (SWIR) Lenses Revenue by Application (2026-2032) & (US\$ Million)

Table 44: Europe Short Wavelength Infra-Red (SWIR) Lenses Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 45: Europe Short Wavelength Infra-Red (SWIR) Lenses Revenue Market Size Forecast by Country (2026-2032) & (US\$ Million)

Table 46: Europe Short Wavelength Infra-Red (SWIR) Lenses Sales Market Size by Country (2020-2025) & (Units)

Table 47: Europe Short Wavelength Infra-Red (SWIR) Lenses Sales Market Size Forecast by Country (2026-2032) & (Units)

Table 48: Key Short Wavelength Infra-Red (SWIR) Lenses Players in China

Table 49: China Short Wavelength Infra-Red (SWIR) Lenses Sales by Type (2020-2025) & (Units)

Table 50: China Short Wavelength Infra-Red (SWIR) Lenses Sales by Type (2026-2032) & (Units)

Table 51: China Short Wavelength Infra-Red (SWIR) Lenses Revenue by Type (2020-2025) & (US\$ Million)

Table 52: China Short Wavelength Infra-Red (SWIR) Lenses Revenue by Type (2026-2032) & (US\$ Million)

Table 53: China Short Wavelength Infra-Red (SWIR) Lenses Sales by Application (2020-2025) & (Units)

Table 54: China Short Wavelength Infra-Red (SWIR) Lenses Sales by Application (2026-2032) & (Units)

Table 55: China Short Wavelength Infra-Red (SWIR) Lenses Revenue by Application (2020-2025) & (US\$ Million)

Table 56: China Short Wavelength Infra-Red (SWIR) Lenses Revenue by Application (2026-2032) & (US\$ Million)

Table 57: Key Short Wavelength Infra-Red (SWIR) Lenses Players in APAC (excl. China)

Table 58: APAC (excl. China) Short Wavelength Infra-Red (SWIR) Lenses Sales by Type (2020-2025) & (Units)

Table 59: APAC (excl. China) Short Wavelength Infra-Red (SWIR) Lenses Sales by Type (2026-2032) & (Units)

- Table 60: APAC (excl. China) Short Wavelength Infra-Red (SWIR) Lenses Revenue by Type (2020-2025) & (US\$ Million)
- Table 61: APAC (excl. China) Short Wavelength Infra-Red (SWIR) Lenses Revenue by Type (2026-2032) & (US\$ Million)
- Table 62: APAC (excl. China) Short Wavelength Infra-Red (SWIR) Lenses Sales by Application (2020-2025) & (Units)
- Table 63: APAC (excl. China) Short Wavelength Infra-Red (SWIR) Lenses Sales by Application (2026-2032) & (Units)
- Table 64: APAC (excl. China) Short Wavelength Infra-Red (SWIR) Lenses Revenue by Application (2020-2025) & (US\$ Million)
- Table 65: APAC (excl. China) Short Wavelength Infra-Red (SWIR) Lenses Revenue by Application (2026-2032) & (US\$ Million)
- Table 66: APAC (excl. China) Short Wavelength Infra-Red (SWIR) Lenses Revenue Market Size by Country (2020-2025) & (US\$ Million)
- Table 67: APAC (excl. China) Short Wavelength Infra-Red (SWIR) Lenses Revenue Market Size Forecast by Country (2026-2032) & (US\$ Million)
- Table 68: APAC (excl. China) Short Wavelength Infra-Red (SWIR) Lenses Sales Market Size by Country (2020-2025) & (Units)
- Table 69: APAC (excl. China) Short Wavelength Infra-Red (SWIR) Lenses Sales Market Size Forecast by Country (2026-2032) & (Units)
- Table 70: Key Short Wavelength Infra-Red (SWIR) Lenses Players in Latin America
- Table 71: Latin America Short Wavelength Infra-Red (SWIR) Lenses Sales by Type (2020-2025) & (Units)
- Table 72: Latin America Short Wavelength Infra-Red (SWIR) Lenses Sales by Type (2026-2032) & (Units)
- Table 73: Latin America Short Wavelength Infra-Red (SWIR) Lenses Revenue by Type (2020-2025) & (US\$ Million)
- Table 74: Latin America Short Wavelength Infra-Red (SWIR) Lenses Revenue by Type (2026-2032) & (US\$ Million)
- Table 75: Latin America Short Wavelength Infra-Red (SWIR) Lenses Sales by Application (2020-2025) & (Units)
- Table 76: Latin America Short Wavelength Infra-Red (SWIR) Lenses Sales by Application (2026-2032) & (Units)
- Table 77: Latin America Short Wavelength Infra-Red (SWIR) Lenses Revenue by Application (2020-2025) & (US\$ Million)
- Table 78: Latin America Short Wavelength Infra-Red (SWIR) Lenses Revenue by Application (2026-2032) & (US\$ Million)
- Table 79: Latin America Short Wavelength Infra-Red (SWIR) Lenses Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 80: Latin America Short Wavelength Infra-Red (SWIR) Lenses Revenue Market Size Forecast by Country (2026-2032) & (US\$ Million)

Table 81: Latin America Short Wavelength Infra-Red (SWIR) Lenses Sales Market Size by Country (2020-2025) & (Units)

Table 82: Latin America Short Wavelength Infra-Red (SWIR) Lenses Sales Market Size Forecast by Country (2026-2032) & (Units)

Table 83: Key Short Wavelength Infra-Red (SWIR) Lenses Players in Middle East & Africa

Table 84: Middle East & Africa Short Wavelength Infra-Red (SWIR) Lenses Sales by Type (2020-2025) & (Units)

Table 85: Middle East & Africa Short Wavelength Infra-Red (SWIR) Lenses Sales by Type (2026-2032) & (Units)

Table 86: Middle East & Africa Short Wavelength Infra-Red (SWIR) Lenses Revenue by Type (2020-2025) & (US\$ Million)

Table 87: Middle East & Africa Short Wavelength Infra-Red (SWIR) Lenses Revenue by Type (2026-2032) & (US\$ Million)

Table 88: Middle East & Africa Short Wavelength Infra-Red (SWIR) Lenses Sales by Application (2020-2025) & (Units)

Table 89: Middle East & Africa Short Wavelength Infra-Red (SWIR) Lenses Sales by Application (2026-2032) & (Units)

Table 90: Middle East & Africa Short Wavelength Infra-Red (SWIR) Lenses Revenue by Application (2020-2025) & (US\$ Million)

Table 91: Middle East & Africa Short Wavelength Infra-Red (SWIR) Lenses Revenue by Application (2026-2032) & (US\$ Million)

Table 92: Middle East & Africa Short Wavelength Infra-Red (SWIR) Lenses Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 93: Middle East & Africa Short Wavelength Infra-Red (SWIR) Lenses Revenue Market Size Forecast by Country (2026-2032) & (US\$ Million)

Table 94: Middle East & Africa Short Wavelength Infra-Red (SWIR) Lenses Sales Market Size by Country (2020-2025) & (Units)

Table 95: Middle East & Africa Short Wavelength Infra-Red (SWIR) Lenses Sales Market Size Forecast by Country (2026-2032) & (Units)

Table 96: Global Short Wavelength Infra-Red (SWIR) Lenses Market Sales by Key Manufacturers (2021-2025) & (Units)

Table 97: Global Short Wavelength Infra-Red (SWIR) Lenses Sales Market Share by Key Manufacturers (2021-2025)

Table 98: Global Short Wavelength Infra-Red (SWIR) Lenses Market Revenue by Key Manufacturers (2021-2025) & (US\$ Million)

Table 99: Global Short Wavelength Infra-Red (SWIR) Lenses Revenue Market Share by

**Key Manufacturers (2021-2025)**

Table 100: Global Average Sales Price by Manufacturers (2021-2025) & (USD/Unit)

Table 101: Global Key Manufacturers Headquarter Location and Key Area Sales

Table 102: Market Mergers & Acquisitions, Expansion

Table 103: Schneider Group Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 104: Schneider Group Short Wavelength Infra-Red (SWIR) Lenses Product Portfolio

Table 105: Schneider Group Short Wavelength Infra-Red (SWIR) Lenses Revenue (US\$ Million), Sales (Units), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 106: Kowa Company Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 107: Kowa Company Short Wavelength Infra-Red (SWIR) Lenses Product Portfolio

Table 108: Kowa Company Short Wavelength Infra-Red (SWIR) Lenses Revenue (US\$ Million), Sales (Units), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 109: Nanjing Wavelength Opto-Electronic Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 110: Nanjing Wavelength Opto-Electronic Short Wavelength Infra-Red (SWIR) Lenses Product Portfolio

Table 111: Nanjing Wavelength Opto-Electronic Short Wavelength Infra-Red (SWIR) Lenses Revenue (US\$ Million), Sales (Units), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 112: Navitar Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 113: Navitar Short Wavelength Infra-Red (SWIR) Lenses Product Portfolio

Table 114: Navitar Short Wavelength Infra-Red (SWIR) Lenses Revenue (US\$ Million), Sales (Units), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 115: StingRay Optics Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 116: StingRay Optics Short Wavelength Infra-Red (SWIR) Lenses Product Portfolio

Table 117: StingRay Optics Short Wavelength Infra-Red (SWIR) Lenses Revenue (US\$ Million), Sales (Units), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 118: Opto Engineering Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 119: Opto Engineering Short Wavelength Infra-Red (SWIR) Lenses Product Portfolio

Table 120: Opto Engineering Short Wavelength Infra-Red (SWIR) Lenses Revenue (US\$ Million), Sales (Units), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 121: Shibuya Optical Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 122: Shibuya Optical Short Wavelength Infra-Red (SWIR) Lenses Product Portfolio

Table 123: Shibuya Optical Short Wavelength Infra-Red (SWIR) Lenses Revenue (US\$ Million), Sales (Units), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 124: Seiwa Optical Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 125: Seiwa Optical Short Wavelength Infra-Red (SWIR) Lenses Product Portfolio

Table 126: Seiwa Optical Short Wavelength Infra-Red (SWIR) Lenses Revenue (US\$ Million), Sales (Units), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 127: Limit Optics Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 128: Limit Optics Short Wavelength Infra-Red (SWIR) Lenses Product Portfolio

Table 129: Limit Optics Short Wavelength Infra-Red (SWIR) Lenses Revenue (US\$ Million), Sales (Units), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 130: SPACE Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 131: SPACE Short Wavelength Infra-Red (SWIR) Lenses Product Portfolio

Table 132: SPACE Short Wavelength Infra-Red (SWIR) Lenses Revenue (US\$ Million), Sales (Units), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 133: Beck Optronic Solutions Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 134: Beck Optronic Solutions Short Wavelength Infra-Red (SWIR) Lenses Product Portfolio

Table 135: Beck Optronic Solutions Short Wavelength Infra-Red (SWIR) Lenses Revenue (US\$ Million), Sales (Units), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 136: Resolve Optics Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 137: Resolve Optics Short Wavelength Infra-Red (SWIR) Lenses Product Portfolio

Table 138: Resolve Optics Short Wavelength Infra-Red (SWIR) Lenses Revenue (US\$ Million), Sales (Units), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 139: YAMAKO Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 140: YAMAKO Short Wavelength Infra-Red (SWIR) Lenses Product Portfolio

Table 141: YAMAKO Short Wavelength Infra-Red (SWIR) Lenses Revenue (US\$ Million), Sales (Units), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 142: SWIR Vision Systems Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 143: SWIR Vision Systems Short Wavelength Infra-Red (SWIR) Lenses Product Portfolio

Table 144: SWIR Vision Systems Short Wavelength Infra-Red (SWIR) Lenses Revenue (US\$ Million), Sales (Units), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 145: HongKe Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 146: HongKe Short Wavelength Infra-Red (SWIR) Lenses Product Portfolio

Table 147: HongKe Short Wavelength Infra-Red (SWIR) Lenses Revenue (US\$ Million), Sales (Units), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 148: Upstream Key Raw Material Price List

Table 149: Short Wavelength Infra-Red (SWIR) Lenses Raw Material Suppliers and Contact Information

Table 150: Short Wavelength Infra-Red (SWIR) Lenses Typical Customer List

Table 151: Short Wavelength Infra-Red (SWIR) Lenses Distributors List

## List Of Figures

### LIST OF FIGURES

- Figure 1: Short Wavelength Infra-Red (SWIR) Lenses Product Pictures
- Figure 2: Prime Lens Picture Scope
- Figure 3: Zoom Lens Picture Scope
- Figure 4: Industrial Picture Scope
- Figure 5: Military and Defense Picture Scope
- Figure 6: Scientific Research Picture Scope
- Figure 7: Others Picture Scope
- Figure 8: Global Short Wavelength Infra-Red (SWIR) Lenses Market Size Analysis: 2024 VS 2025 VS 2032 (US\$ Million)
- Figure 9: Global Short Wavelength Infra-Red (SWIR) Lenses Market Revenue and Growth Rate Analysis: (2020-2032) & (US\$ Million)
- Figure 10: Global Short Wavelength Infra-Red (SWIR) Lenses Market Sales and Growth Rate Analysis (2020-2032) & (Units)
- Figure 11: Global Short Wavelength Infra-Red (SWIR) Lenses Market Price Trend Analysis (2020-2032) & (USD/Unit)
- Figure 12: Global Short Wavelength Infra-Red (SWIR) Lenses Market Size by Region (2020-2032) & (US\$ Million)
- Figure 13: Global Short Wavelength Infra-Red (SWIR) Lenses Market Share Scenario by Region in Percentage: 2025 Versus 2032
- Figure 14: Global Short Wavelength Infra-Red (SWIR) Lenses Sales Price by Region (2020-2032) & (Units)
- Figure 15: North America Short Wavelength Infra-Red (SWIR) Lenses Market Size and Growth Rate (2020-2032) & (US\$ Million)
- Figure 16: North America Short Wavelength Infra-Red (SWIR) Lenses Revenue Market Share by Players in 2024
- Figure 17: North America Short Wavelength Infra-Red (SWIR) Lenses Sales Market Share by Type (2020-2032)
- Figure 18: North America Short Wavelength Infra-Red (SWIR) Lenses Revenue Market Share by Type (2020-2032)
- Figure 19: North America Short Wavelength Infra-Red (SWIR) Lenses Sales Market Share by Application (2020-2032)
- Figure 20: North America Short Wavelength Infra-Red (SWIR) Lenses Revenue Market Share by Application (2020-2032)
- Figure 21: US Short Wavelength Infra-Red (SWIR) Lenses Revenue (2020-2032) & (US\$ Million)

Figure 22:Canada Short Wavelength Infra-Red (SWIR) Lenses Revenue (2020-2032) & (US\$ Million)

Figure 23:Europe Short Wavelength Infra-Red (SWIR) Lenses Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 24:Europe Short Wavelength Infra-Red (SWIR) Lenses Revenue Market Share by Players in 2024

Figure 25:Europe Short Wavelength Infra-Red (SWIR) Lenses Sales Market Share by Type (2020-2032)

Figure 26:Europe Short Wavelength Infra-Red (SWIR) Lenses Revenue Market Share by Type (2020-2032)

Figure 27:Europe Short Wavelength Infra-Red (SWIR) Lenses Sales Market Share by Application (2020-2032)

Figure 28:Europe Short Wavelength Infra-Red (SWIR) Lenses Revenue Market Share by Application (2020-2032)

Figure 29:Germany Short Wavelength Infra-Red (SWIR) Lenses Revenue (2020-2032) & (US\$ Million)

Figure 30:France Short Wavelength Infra-Red (SWIR) Lenses Revenue (2020-2032) & (US\$ Million)

Figure 31:United Kingdom Short Wavelength Infra-Red (SWIR) Lenses Revenue (2020-2032) & (US\$ Million)

Figure 32:Italy Short Wavelength Infra-Red (SWIR) Lenses Revenue (2020-2032) & (US\$ Million)

Figure 33:Spain Short Wavelength Infra-Red (SWIR) Lenses Revenue (2020-2032) & (US\$ Million)

Figure 34:Benelux Short Wavelength Infra-Red (SWIR) Lenses Revenue (2020-2032) & (US\$ Million)

Figure 35:China Short Wavelength Infra-Red (SWIR) Lenses Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 36:China Short Wavelength Infra-Red (SWIR) Lenses Revenue Market Share by Players in 2024

Figure 37:China Short Wavelength Infra-Red (SWIR) Lenses Sales Market Share by Type (2020-2032)

Figure 38:China Short Wavelength Infra-Red (SWIR) Lenses Revenue Market Share by Type (2020-2032)

Figure 39:China Short Wavelength Infra-Red (SWIR) Lenses Sales Market Share by Application (2020-2032)

Figure 40:China Short Wavelength Infra-Red (SWIR) Lenses Revenue Market Share by Application (2020-2032)

Figure 41:APAC (excl. China) Short Wavelength Infra-Red (SWIR) Lenses Market Size

and Growth Rate (2020-2032) & (US\$ Million)

Figure 42:APAC (excl. China) Short Wavelength Infra-Red (SWIR) Lenses Revenue Market Share by Players in 2024

Figure 43:APAC (excl. China) Short Wavelength Infra-Red (SWIR) Lenses Sales Market Share by Type (2020-2032)

Figure 44:APAC (excl. China) Short Wavelength Infra-Red (SWIR) Lenses Revenue Market Share by Type (2020-2032)

Figure 45:APAC (excl. China) Short Wavelength Infra-Red (SWIR) Lenses Sales Market Share by Application (2020-2032)

Figure 46:APAC (excl. China) Short Wavelength Infra-Red (SWIR) Lenses Revenue Market Share by Application (2020-2032)

Figure 47:Japan Short Wavelength Infra-Red (SWIR) Lenses Revenue (2020-2032) & (US\$ Million)

Figure 48:South Korea Short Wavelength Infra-Red (SWIR) Lenses Revenue (2020-2032) & (US\$ Million)

Figure 49:India Short Wavelength Infra-Red (SWIR) Lenses Revenue (2020-2032) & (US\$ Million)

Figure 50:Australia Short Wavelength Infra-Red (SWIR) Lenses Revenue (2020-2032) & (US\$ Million)

Figure 51:Southeast Asia Short Wavelength Infra-Red (SWIR) Lenses Revenue (2020-2032) & (US\$ Million)

Figure 52:Latin America Short Wavelength Infra-Red (SWIR) Lenses Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 53:Latin America Short Wavelength Infra-Red (SWIR) Lenses Revenue Market Share by Players in 2024

Figure 54:Latin America Short Wavelength Infra-Red (SWIR) Lenses Sales Market Share by Type (2020-2032)

Figure 55:Latin America Short Wavelength Infra-Red (SWIR) Lenses Revenue Market Share by Type (2020-2032)

Figure 56:Latin America Short Wavelength Infra-Red (SWIR) Lenses Sales Market Share by Application (2020-2032)

Figure 57:Latin America Short Wavelength Infra-Red (SWIR) Lenses Revenue Market Share by Application (2020-2032)

Figure 58:Mexico Short Wavelength Infra-Red (SWIR) Lenses Revenue (2020-2032) & (US\$ Million)

Figure 59:Brazil Short Wavelength Infra-Red (SWIR) Lenses Revenue (2020-2032) & (US\$ Million)

Figure 60:Middle East & Africa Short Wavelength Infra-Red (SWIR) Lenses Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 61: Middle East & Africa Short Wavelength Infra-Red (SWIR) Lenses Revenue Market Share by Players in 2024

Figure 62: Middle East & Africa Short Wavelength Infra-Red (SWIR) Lenses Sales Market Share by Type (2020-2032)

Figure 63: Middle East & Africa Short Wavelength Infra-Red (SWIR) Lenses Revenue Market Share by Type (2020-2032)

Figure 64: Middle East & Africa Short Wavelength Infra-Red (SWIR) Lenses Sales Market Share by Application (2020-2032)

Figure 65: Middle East & Africa Short Wavelength Infra-Red (SWIR) Lenses Revenue Market Share by Application (2020-2032)

Figure 66: Saudi Arabia Short Wavelength Infra-Red (SWIR) Lenses Revenue (2020-2032) & (US\$ Million)

Figure 67: South Africa Short Wavelength Infra-Red (SWIR) Lenses Revenue (2020-2032) & (US\$ Million)

Figure 68: Global Short Wavelength Infra-Red (SWIR) Lenses Sales Market Share by Key Manufacturers in 2024

Figure 69: Global Short Wavelength Infra-Red (SWIR) Lenses Revenue Market Share by Key Manufacturers in 2024

Figure 70: Global Short Wavelength Infra-Red (SWIR) Lenses Industry Competition Landscape

Figure 71: Short Wavelength Infra-Red (SWIR) Lenses Industry Chain Analysis

Figure 72: Bottom-Up and Top-Down Research Methods

Figure 73: Key Interview Objectives

Figure 74: Data Cross Validation

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