

Global Shortwave Infrared (SWIR) Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

<https://marketpublishers.com/r/G1165D5B808EN.html>

Date: June 2024

Pages: 107

Price: US\$ 3,480.00 (Single User License)

ID: G1165D5B808EN

Abstracts

According to our (Global Info Research) latest study, the global Shortwave Infrared (SWIR) market size was valued at USD 700.7 million in 2023 and is forecast to a readjusted size of USD 1181.6 million by 2030 with a CAGR of 7.8% during review period.

Shortwave infrared (SWIR) light is typically defined as light in the 0.9 – 1.7 μ m wavelength range, but can also be classified from 0.7 – 2.5 μ m. Since silicon sensors have an upper limit of approximately 1.0 μ m, SWIR imaging requires unique optical and electronic components capable of performing in the specific SWIR range. Shortwave infrared (SWIR) defines a specific wavelength range over which optical and electronic components are designed and coated. SWIR imaging offers a number of advantages compared to visible when used for inspection, sorting, surveillance, quality control, and host of other applications.

North America held the largest size of the SWIR market in 2017 and is expected to witness significant growth during the forecast period. Military and defense, industrial, and commercial are the major verticals that account for a significant share of the SWIR market in North America. Besides, this region is witnessing increasing demand for these cameras, especially cooled SWIR cameras, from the scientific research vertical.

The Global Info Research report includes an overview of the development of the Shortwave Infrared (SWIR) industry chain, the market status of Scientific Research (Area Scan, Line Scan), Commercial (Area Scan, Line Scan), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Shortwave Infrared (SWIR).

Regionally, the report analyzes the Shortwave Infrared (SWIR) markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Shortwave Infrared (SWIR) market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Shortwave Infrared (SWIR) market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Shortwave Infrared (SWIR) industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Area Scan, Line Scan).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Shortwave Infrared (SWIR) market.

Regional Analysis: The report involves examining the Shortwave Infrared (SWIR) market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Shortwave Infrared (SWIR) market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Shortwave Infrared (SWIR):

Company Analysis: Report covers individual Shortwave Infrared (SWIR) manufacturers, suppliers, and other relevant industry players. This analysis includes studying their

financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Shortwave Infrared (SWIR). This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Scientific Research, Commercial).

Technology Analysis: Report covers specific technologies relevant to Shortwave Infrared (SWIR). It assesses the current state, advancements, and potential future developments in Shortwave Infrared (SWIR) areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Shortwave Infrared (SWIR) market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Shortwave Infrared (SWIR) market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Area Scan

Line Scan

Market segment by Application

Scientific Research

Commercial

Industrial

Medical

Military & Defense

Others

Major players covered

Sensors Unlimited

Flir Systems

Xenics

New Imaging Technologies

Allied Vision Technologies

Raptor Photonics

Sofradir Group

Princeton Instruments

Photon Etc

Hamamatsu Photonics

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Shortwave Infrared (SWIR) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Shortwave Infrared (SWIR), with price, sales, revenue and global market share of Shortwave Infrared (SWIR) from 2019 to 2024.

Chapter 3, the Shortwave Infrared (SWIR) competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Shortwave Infrared (SWIR) breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Shortwave Infrared (SWIR) market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Shortwave Infrared (SWIR).

Chapter 14 and 15, to describe Shortwave Infrared (SWIR) sales channel, distributors,

customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of Shortwave Infrared (SWIR)
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
 - 1.3.1 Overview: Global Shortwave Infrared (SWIR) Consumption Value by Type: 2019 Versus 2023 Versus 2030
 - 1.3.2 Area Scan
 - 1.3.3 Line Scan
- 1.4 Market Analysis by Application
 - 1.4.1 Overview: Global Shortwave Infrared (SWIR) Consumption Value by Application: 2019 Versus 2023 Versus 2030
 - 1.4.2 Scientific Research
 - 1.4.3 Commercial
 - 1.4.4 Industrial
 - 1.4.5 Medical
 - 1.4.6 Military & Defense
 - 1.4.7 Others
- 1.5 Global Shortwave Infrared (SWIR) Market Size & Forecast
 - 1.5.1 Global Shortwave Infrared (SWIR) Consumption Value (2019 & 2023 & 2030)
 - 1.5.2 Global Shortwave Infrared (SWIR) Sales Quantity (2019-2030)
 - 1.5.3 Global Shortwave Infrared (SWIR) Average Price (2019-2030)

2 MANUFACTURERS PROFILES

- 2.1 Sensors Unlimited
 - 2.1.1 Sensors Unlimited Details
 - 2.1.2 Sensors Unlimited Major Business
 - 2.1.3 Sensors Unlimited Shortwave Infrared (SWIR) Product and Services
 - 2.1.4 Sensors Unlimited Shortwave Infrared (SWIR) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.1.5 Sensors Unlimited Recent Developments/Updates
- 2.2 Flir Systems
 - 2.2.1 Flir Systems Details
 - 2.2.2 Flir Systems Major Business
 - 2.2.3 Flir Systems Shortwave Infrared (SWIR) Product and Services
 - 2.2.4 Flir Systems Shortwave Infrared (SWIR) Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2019-2024)

2.2.5 Flir Systems Recent Developments/Updates

2.3 Xenics

2.3.1 Xenics Details

2.3.2 Xenics Major Business

2.3.3 Xenics Shortwave Infrared (SWIR) Product and Services

2.3.4 Xenics Shortwave Infrared (SWIR) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.3.5 Xenics Recent Developments/Updates

2.4 New Imaging Technologies

2.4.1 New Imaging Technologies Details

2.4.2 New Imaging Technologies Major Business

2.4.3 New Imaging Technologies Shortwave Infrared (SWIR) Product and Services

2.4.4 New Imaging Technologies Shortwave Infrared (SWIR) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.4.5 New Imaging Technologies Recent Developments/Updates

2.5 Allied Vision Technologies

2.5.1 Allied Vision Technologies Details

2.5.2 Allied Vision Technologies Major Business

2.5.3 Allied Vision Technologies Shortwave Infrared (SWIR) Product and Services

2.5.4 Allied Vision Technologies Shortwave Infrared (SWIR) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.5.5 Allied Vision Technologies Recent Developments/Updates

2.6 Raptor Photonics

2.6.1 Raptor Photonics Details

2.6.2 Raptor Photonics Major Business

2.6.3 Raptor Photonics Shortwave Infrared (SWIR) Product and Services

2.6.4 Raptor Photonics Shortwave Infrared (SWIR) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.6.5 Raptor Photonics Recent Developments/Updates

2.7 Sofradir Group

2.7.1 Sofradir Group Details

2.7.2 Sofradir Group Major Business

2.7.3 Sofradir Group Shortwave Infrared (SWIR) Product and Services

2.7.4 Sofradir Group Shortwave Infrared (SWIR) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.7.5 Sofradir Group Recent Developments/Updates

2.8 Princeton Instruments

2.8.1 Princeton Instruments Details

- 2.8.2 Princeton Instruments Major Business
- 2.8.3 Princeton Instruments Shortwave Infrared (SWIR) Product and Services
- 2.8.4 Princeton Instruments Shortwave Infrared (SWIR) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.8.5 Princeton Instruments Recent Developments/Updates
- 2.9 Photon Etc
 - 2.9.1 Photon Etc Details
 - 2.9.2 Photon Etc Major Business
 - 2.9.3 Photon Etc Shortwave Infrared (SWIR) Product and Services
 - 2.9.4 Photon Etc Shortwave Infrared (SWIR) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.9.5 Photon Etc Recent Developments/Updates
- 2.10 Hamamatsu Photonics
 - 2.10.1 Hamamatsu Photonics Details
 - 2.10.2 Hamamatsu Photonics Major Business
 - 2.10.3 Hamamatsu Photonics Shortwave Infrared (SWIR) Product and Services
 - 2.10.4 Hamamatsu Photonics Shortwave Infrared (SWIR) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.10.5 Hamamatsu Photonics Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: SHORTWAVE INFRARED (SWIR) BY MANUFACTURER

- 3.1 Global Shortwave Infrared (SWIR) Sales Quantity by Manufacturer (2019-2024)
- 3.2 Global Shortwave Infrared (SWIR) Revenue by Manufacturer (2019-2024)
- 3.3 Global Shortwave Infrared (SWIR) Average Price by Manufacturer (2019-2024)
- 3.4 Market Share Analysis (2023)
 - 3.4.1 Producer Shipments of Shortwave Infrared (SWIR) by Manufacturer Revenue (\$MM) and Market Share (%): 2023
 - 3.4.2 Top 3 Shortwave Infrared (SWIR) Manufacturer Market Share in 2023
 - 3.4.2 Top 6 Shortwave Infrared (SWIR) Manufacturer Market Share in 2023
- 3.5 Shortwave Infrared (SWIR) Market: Overall Company Footprint Analysis
 - 3.5.1 Shortwave Infrared (SWIR) Market: Region Footprint
 - 3.5.2 Shortwave Infrared (SWIR) Market: Company Product Type Footprint
 - 3.5.3 Shortwave Infrared (SWIR) Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

4.1 Global Shortwave Infrared (SWIR) Market Size by Region

4.1.1 Global Shortwave Infrared (SWIR) Sales Quantity by Region (2019-2030)

4.1.2 Global Shortwave Infrared (SWIR) Consumption Value by Region (2019-2030)

4.1.3 Global Shortwave Infrared (SWIR) Average Price by Region (2019-2030)

4.2 North America Shortwave Infrared (SWIR) Consumption Value (2019-2030)

4.3 Europe Shortwave Infrared (SWIR) Consumption Value (2019-2030)

4.4 Asia-Pacific Shortwave Infrared (SWIR) Consumption Value (2019-2030)

4.5 South America Shortwave Infrared (SWIR) Consumption Value (2019-2030)

4.6 Middle East and Africa Shortwave Infrared (SWIR) Consumption Value (2019-2030)

5 MARKET SEGMENT BY TYPE

5.1 Global Shortwave Infrared (SWIR) Sales Quantity by Type (2019-2030)

5.2 Global Shortwave Infrared (SWIR) Consumption Value by Type (2019-2030)

5.3 Global Shortwave Infrared (SWIR) Average Price by Type (2019-2030)

6 MARKET SEGMENT BY APPLICATION

6.1 Global Shortwave Infrared (SWIR) Sales Quantity by Application (2019-2030)

6.2 Global Shortwave Infrared (SWIR) Consumption Value by Application (2019-2030)

6.3 Global Shortwave Infrared (SWIR) Average Price by Application (2019-2030)

7 NORTH AMERICA

7.1 North America Shortwave Infrared (SWIR) Sales Quantity by Type (2019-2030)

7.2 North America Shortwave Infrared (SWIR) Sales Quantity by Application (2019-2030)

7.3 North America Shortwave Infrared (SWIR) Market Size by Country

7.3.1 North America Shortwave Infrared (SWIR) Sales Quantity by Country (2019-2030)

7.3.2 North America Shortwave Infrared (SWIR) Consumption Value by Country (2019-2030)

7.3.3 United States Market Size and Forecast (2019-2030)

7.3.4 Canada Market Size and Forecast (2019-2030)

7.3.5 Mexico Market Size and Forecast (2019-2030)

8 EUROPE

- 8.1 Europe Shortwave Infrared (SWIR) Sales Quantity by Type (2019-2030)
- 8.2 Europe Shortwave Infrared (SWIR) Sales Quantity by Application (2019-2030)
- 8.3 Europe Shortwave Infrared (SWIR) Market Size by Country
 - 8.3.1 Europe Shortwave Infrared (SWIR) Sales Quantity by Country (2019-2030)
 - 8.3.2 Europe Shortwave Infrared (SWIR) Consumption Value by Country (2019-2030)
 - 8.3.3 Germany Market Size and Forecast (2019-2030)
 - 8.3.4 France Market Size and Forecast (2019-2030)
 - 8.3.5 United Kingdom Market Size and Forecast (2019-2030)
 - 8.3.6 Russia Market Size and Forecast (2019-2030)
 - 8.3.7 Italy Market Size and Forecast (2019-2030)

9 ASIA-PACIFIC

- 9.1 Asia-Pacific Shortwave Infrared (SWIR) Sales Quantity by Type (2019-2030)
- 9.2 Asia-Pacific Shortwave Infrared (SWIR) Sales Quantity by Application (2019-2030)
- 9.3 Asia-Pacific Shortwave Infrared (SWIR) Market Size by Region
 - 9.3.1 Asia-Pacific Shortwave Infrared (SWIR) Sales Quantity by Region (2019-2030)
 - 9.3.2 Asia-Pacific Shortwave Infrared (SWIR) Consumption Value by Region (2019-2030)
 - 9.3.3 China Market Size and Forecast (2019-2030)
 - 9.3.4 Japan Market Size and Forecast (2019-2030)
 - 9.3.5 Korea Market Size and Forecast (2019-2030)
 - 9.3.6 India Market Size and Forecast (2019-2030)
 - 9.3.7 Southeast Asia Market Size and Forecast (2019-2030)
 - 9.3.8 Australia Market Size and Forecast (2019-2030)

10 SOUTH AMERICA

- 10.1 South America Shortwave Infrared (SWIR) Sales Quantity by Type (2019-2030)
- 10.2 South America Shortwave Infrared (SWIR) Sales Quantity by Application (2019-2030)
- 10.3 South America Shortwave Infrared (SWIR) Market Size by Country
 - 10.3.1 South America Shortwave Infrared (SWIR) Sales Quantity by Country (2019-2030)
 - 10.3.2 South America Shortwave Infrared (SWIR) Consumption Value by Country (2019-2030)
 - 10.3.3 Brazil Market Size and Forecast (2019-2030)
 - 10.3.4 Argentina Market Size and Forecast (2019-2030)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Shortwave Infrared (SWIR) Sales Quantity by Type (2019-2030)

11.2 Middle East & Africa Shortwave Infrared (SWIR) Sales Quantity by Application (2019-2030)

11.3 Middle East & Africa Shortwave Infrared (SWIR) Market Size by Country

11.3.1 Middle East & Africa Shortwave Infrared (SWIR) Sales Quantity by Country (2019-2030)

11.3.2 Middle East & Africa Shortwave Infrared (SWIR) Consumption Value by Country (2019-2030)

11.3.3 Turkey Market Size and Forecast (2019-2030)

11.3.4 Egypt Market Size and Forecast (2019-2030)

11.3.5 Saudi Arabia Market Size and Forecast (2019-2030)

11.3.6 South Africa Market Size and Forecast (2019-2030)

12 MARKET DYNAMICS

12.1 Shortwave Infrared (SWIR) Market Drivers

12.2 Shortwave Infrared (SWIR) Market Restraints

12.3 Shortwave Infrared (SWIR) Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Shortwave Infrared (SWIR) and Key Manufacturers

13.2 Manufacturing Costs Percentage of Shortwave Infrared (SWIR)

13.3 Shortwave Infrared (SWIR) Production Process

13.4 Shortwave Infrared (SWIR) Industrial Chain

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Shortwave Infrared (SWIR) Typical Distributors

14.3 Shortwave Infrared (SWIR) Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Shortwave Infrared (SWIR) Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Table 2. Global Shortwave Infrared (SWIR) Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Table 3. Sensors Unlimited Basic Information, Manufacturing Base and Competitors

Table 4. Sensors Unlimited Major Business

Table 5. Sensors Unlimited Shortwave Infrared (SWIR) Product and Services

Table 6. Sensors Unlimited Shortwave Infrared (SWIR) Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 7. Sensors Unlimited Recent Developments/Updates

Table 8. Flir Systems Basic Information, Manufacturing Base and Competitors

Table 9. Flir Systems Major Business

Table 10. Flir Systems Shortwave Infrared (SWIR) Product and Services

Table 11. Flir Systems Shortwave Infrared (SWIR) Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 12. Flir Systems Recent Developments/Updates

Table 13. Xenics Basic Information, Manufacturing Base and Competitors

Table 14. Xenics Major Business

Table 15. Xenics Shortwave Infrared (SWIR) Product and Services

Table 16. Xenics Shortwave Infrared (SWIR) Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 17. Xenics Recent Developments/Updates

Table 18. New Imaging Technologies Basic Information, Manufacturing Base and Competitors

Table 19. New Imaging Technologies Major Business

Table 20. New Imaging Technologies Shortwave Infrared (SWIR) Product and Services

Table 21. New Imaging Technologies Shortwave Infrared (SWIR) Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 22. New Imaging Technologies Recent Developments/Updates

Table 23. Allied Vision Technologies Basic Information, Manufacturing Base and Competitors

Table 24. Allied Vision Technologies Major Business

Table 25. Allied Vision Technologies Shortwave Infrared (SWIR) Product and Services

Table 26. Allied Vision Technologies Shortwave Infrared (SWIR) Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 27. Allied Vision Technologies Recent Developments/Updates

Table 28. Raptor Photonics Basic Information, Manufacturing Base and Competitors

Table 29. Raptor Photonics Major Business

Table 30. Raptor Photonics Shortwave Infrared (SWIR) Product and Services

Table 31. Raptor Photonics Shortwave Infrared (SWIR) Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 32. Raptor Photonics Recent Developments/Updates

Table 33. Sofradir Group Basic Information, Manufacturing Base and Competitors

Table 34. Sofradir Group Major Business

Table 35. Sofradir Group Shortwave Infrared (SWIR) Product and Services

Table 36. Sofradir Group Shortwave Infrared (SWIR) Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 37. Sofradir Group Recent Developments/Updates

Table 38. Princeton Instruments Basic Information, Manufacturing Base and Competitors

Table 39. Princeton Instruments Major Business

Table 40. Princeton Instruments Shortwave Infrared (SWIR) Product and Services

Table 41. Princeton Instruments Shortwave Infrared (SWIR) Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 42. Princeton Instruments Recent Developments/Updates

Table 43. Photon Etc Basic Information, Manufacturing Base and Competitors

Table 44. Photon Etc Major Business

Table 45. Photon Etc Shortwave Infrared (SWIR) Product and Services

Table 46. Photon Etc Shortwave Infrared (SWIR) Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 47. Photon Etc Recent Developments/Updates

Table 48. Hamamatsu Photonics Basic Information, Manufacturing Base and Competitors

Table 49. Hamamatsu Photonics Major Business

Table 50. Hamamatsu Photonics Shortwave Infrared (SWIR) Product and Services

Table 51. Hamamatsu Photonics Shortwave Infrared (SWIR) Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 52. Hamamatsu Photonics Recent Developments/Updates

Table 53. Global Shortwave Infrared (SWIR) Sales Quantity by Manufacturer (2019-2024) & (K Units)

Table 54. Global Shortwave Infrared (SWIR) Revenue by Manufacturer (2019-2024) & (USD Million)

Table 55. Global Shortwave Infrared (SWIR) Average Price by Manufacturer (2019-2024) & (USD/Unit)

Table 56. Market Position of Manufacturers in Shortwave Infrared (SWIR), (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2023

Table 57. Head Office and Shortwave Infrared (SWIR) Production Site of Key Manufacturer

Table 58. Shortwave Infrared (SWIR) Market: Company Product Type Footprint

Table 59. Shortwave Infrared (SWIR) Market: Company Product Application Footprint

Table 60. Shortwave Infrared (SWIR) New Market Entrants and Barriers to Market Entry

Table 61. Shortwave Infrared (SWIR) Mergers, Acquisition, Agreements, and Collaborations

Table 62. Global Shortwave Infrared (SWIR) Sales Quantity by Region (2019-2024) & (K Units)

Table 63. Global Shortwave Infrared (SWIR) Sales Quantity by Region (2025-2030) & (K Units)

Table 64. Global Shortwave Infrared (SWIR) Consumption Value by Region (2019-2024) & (USD Million)

Table 65. Global Shortwave Infrared (SWIR) Consumption Value by Region (2025-2030) & (USD Million)

Table 66. Global Shortwave Infrared (SWIR) Average Price by Region (2019-2024) & (USD/Unit)

Table 67. Global Shortwave Infrared (SWIR) Average Price by Region (2025-2030) & (USD/Unit)

Table 68. Global Shortwave Infrared (SWIR) Sales Quantity by Type (2019-2024) & (K Units)

Table 69. Global Shortwave Infrared (SWIR) Sales Quantity by Type (2025-2030) & (K Units)

Table 70. Global Shortwave Infrared (SWIR) Consumption Value by Type (2019-2024) & (USD Million)

Table 71. Global Shortwave Infrared (SWIR) Consumption Value by Type (2025-2030) & (USD Million)

Table 72. Global Shortwave Infrared (SWIR) Average Price by Type (2019-2024) & (USD/Unit)

Table 73. Global Shortwave Infrared (SWIR) Average Price by Type (2025-2030) & (USD/Unit)

Table 74. Global Shortwave Infrared (SWIR) Sales Quantity by Application (2019-2024) & (K Units)

Table 75. Global Shortwave Infrared (SWIR) Sales Quantity by Application (2025-2030) & (K Units)

Table 76. Global Shortwave Infrared (SWIR) Consumption Value by Application (2019-2024) & (USD Million)

Table 77. Global Shortwave Infrared (SWIR) Consumption Value by Application (2025-2030) & (USD Million)

Table 78. Global Shortwave Infrared (SWIR) Average Price by Application (2019-2024) & (USD/Unit)

Table 79. Global Shortwave Infrared (SWIR) Average Price by Application (2025-2030) & (USD/Unit)

Table 80. North America Shortwave Infrared (SWIR) Sales Quantity by Type (2019-2024) & (K Units)

Table 81. North America Shortwave Infrared (SWIR) Sales Quantity by Type (2025-2030) & (K Units)

Table 82. North America Shortwave Infrared (SWIR) Sales Quantity by Application (2019-2024) & (K Units)

Table 83. North America Shortwave Infrared (SWIR) Sales Quantity by Application (2025-2030) & (K Units)

Table 84. North America Shortwave Infrared (SWIR) Sales Quantity by Country (2019-2024) & (K Units)

Table 85. North America Shortwave Infrared (SWIR) Sales Quantity by Country (2025-2030) & (K Units)

Table 86. North America Shortwave Infrared (SWIR) Consumption Value by Country (2019-2024) & (USD Million)

Table 87. North America Shortwave Infrared (SWIR) Consumption Value by Country (2025-2030) & (USD Million)

Table 88. Europe Shortwave Infrared (SWIR) Sales Quantity by Type (2019-2024) & (K Units)

Table 89. Europe Shortwave Infrared (SWIR) Sales Quantity by Type (2025-2030) & (K Units)

Table 90. Europe Shortwave Infrared (SWIR) Sales Quantity by Application (2019-2024) & (K Units)

Table 91. Europe Shortwave Infrared (SWIR) Sales Quantity by Application (2025-2030) & (K Units)

Table 92. Europe Shortwave Infrared (SWIR) Sales Quantity by Country (2019-2024) & (K Units)

Table 93. Europe Shortwave Infrared (SWIR) Sales Quantity by Country (2025-2030) &

(K Units)

Table 94. Europe Shortwave Infrared (SWIR) Consumption Value by Country
(2019-2024) & (USD Million)

Table 95. Europe Shortwave Infrared (SWIR) Consumption Value by Country
(2025-2030) & (USD Million)

Table 96. Asia-Pacific Shortwave Infrared (SWIR) Sales Quantity by Type (2019-2024)
& (K Units)

Table 97. Asia-Pacific Shortwave Infrared (SWIR) Sales Quantity by Type (2025-2030)
& (K Units)

Table 98. Asia-Pacific Shortwave Infrared (SWIR) Sales Quantity by Application
(2019-2024) & (K Units)

Table 99. Asia-Pacific Shortwave Infrared (SWIR) Sales Quantity by Application
(2025-2030) & (K Units)

Table 100. Asia-Pacific Shortwave Infrared (SWIR) Sales Quantity by Region
(2019-2024) & (K Units)

Table 101. Asia-Pacific Shortwave Infrared (SWIR) Sales Quantity by Region
(2025-2030) & (K Units)

Table 102. Asia-Pacific Shortwave Infrared (SWIR) Consumption Value by Region
(2019-2024) & (USD Million)

Table 103. Asia-Pacific Shortwave Infrared (SWIR) Consumption Value by Region
(2025-2030) & (USD Million)

Table 104. South America Shortwave Infrared (SWIR) Sales Quantity by Type
(2019-2024) & (K Units)

Table 105. South America Shortwave Infrared (SWIR) Sales Quantity by Type
(2025-2030) & (K Units)

Table 106. South America Shortwave Infrared (SWIR) Sales Quantity by Application
(2019-2024) & (K Units)

Table 107. South America Shortwave Infrared (SWIR) Sales Quantity by Application
(2025-2030) & (K Units)

Table 108. South America Shortwave Infrared (SWIR) Sales Quantity by Country
(2019-2024) & (K Units)

Table 109. South America Shortwave Infrared (SWIR) Sales Quantity by Country
(2025-2030) & (K Units)

Table 110. South America Shortwave Infrared (SWIR) Consumption Value by Country
(2019-2024) & (USD Million)

Table 111. South America Shortwave Infrared (SWIR) Consumption Value by Country
(2025-2030) & (USD Million)

Table 112. Middle East & Africa Shortwave Infrared (SWIR) Sales Quantity by Type
(2019-2024) & (K Units)

Table 113. Middle East & Africa Shortwave Infrared (SWIR) Sales Quantity by Type (2025-2030) & (K Units)

Table 114. Middle East & Africa Shortwave Infrared (SWIR) Sales Quantity by Application (2019-2024) & (K Units)

Table 115. Middle East & Africa Shortwave Infrared (SWIR) Sales Quantity by Application (2025-2030) & (K Units)

Table 116. Middle East & Africa Shortwave Infrared (SWIR) Sales Quantity by Region (2019-2024) & (K Units)

Table 117. Middle East & Africa Shortwave Infrared (SWIR) Sales Quantity by Region (2025-2030) & (K Units)

Table 118. Middle East & Africa Shortwave Infrared (SWIR) Consumption Value by Region (2019-2024) & (USD Million)

Table 119. Middle East & Africa Shortwave Infrared (SWIR) Consumption Value by Region (2025-2030) & (USD Million)

Table 120. Shortwave Infrared (SWIR) Raw Material

Table 121. Key Manufacturers of Shortwave Infrared (SWIR) Raw Materials

Table 122. Shortwave Infrared (SWIR) Typical Distributors

Table 123. Shortwave Infrared (SWIR) Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Shortwave Infrared (SWIR) Picture

Figure 2. Global Shortwave Infrared (SWIR) Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Figure 3. Global Shortwave Infrared (SWIR) Consumption Value Market Share by Type in 2023

Figure 4. Area Scan Examples

Figure 5. Line Scan Examples

Figure 6. Global Shortwave Infrared (SWIR) Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Figure 7. Global Shortwave Infrared (SWIR) Consumption Value Market Share by Application in 2023

Figure 8. Scientific Research Examples

Figure 9. Commercial Examples

Figure 10. Industrial Examples

Figure 11. Medical Examples

Figure 12. Military & Defense Examples

Figure 13. Others Examples

Figure 14. Global Shortwave Infrared (SWIR) Consumption Value, (USD Million): 2019 & 2023 & 2030

Figure 15. Global Shortwave Infrared (SWIR) Consumption Value and Forecast (2019-2030) & (USD Million)

Figure 16. Global Shortwave Infrared (SWIR) Sales Quantity (2019-2030) & (K Units)

Figure 17. Global Shortwave Infrared (SWIR) Average Price (2019-2030) & (USD/Unit)

Figure 18. Global Shortwave Infrared (SWIR) Sales Quantity Market Share by Manufacturer in 2023

Figure 19. Global Shortwave Infrared (SWIR) Consumption Value Market Share by Manufacturer in 2023

Figure 20. Producer Shipments of Shortwave Infrared (SWIR) by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2023

Figure 21. Top 3 Shortwave Infrared (SWIR) Manufacturer (Consumption Value) Market Share in 2023

Figure 22. Top 6 Shortwave Infrared (SWIR) Manufacturer (Consumption Value) Market Share in 2023

Figure 23. Global Shortwave Infrared (SWIR) Sales Quantity Market Share by Region (2019-2030)

Figure 24. Global Shortwave Infrared (SWIR) Consumption Value Market Share by Region (2019-2030)

Figure 25. North America Shortwave Infrared (SWIR) Consumption Value (2019-2030) & (USD Million)

Figure 26. Europe Shortwave Infrared (SWIR) Consumption Value (2019-2030) & (USD Million)

Figure 27. Asia-Pacific Shortwave Infrared (SWIR) Consumption Value (2019-2030) & (USD Million)

Figure 28. South America Shortwave Infrared (SWIR) Consumption Value (2019-2030) & (USD Million)

Figure 29. Middle East & Africa Shortwave Infrared (SWIR) Consumption Value (2019-2030) & (USD Million)

Figure 30. Global Shortwave Infrared (SWIR) Sales Quantity Market Share by Type (2019-2030)

Figure 31. Global Shortwave Infrared (SWIR) Consumption Value Market Share by Type (2019-2030)

Figure 32. Global Shortwave Infrared (SWIR) Average Price by Type (2019-2030) & (USD/Unit)

Figure 33. Global Shortwave Infrared (SWIR) Sales Quantity Market Share by Application (2019-2030)

Figure 34. Global Shortwave Infrared (SWIR) Consumption Value Market Share by Application (2019-2030)

Figure 35. Global Shortwave Infrared (SWIR) Average Price by Application (2019-2030) & (USD/Unit)

Figure 36. North America Shortwave Infrared (SWIR) Sales Quantity Market Share by Type (2019-2030)

Figure 37. North America Shortwave Infrared (SWIR) Sales Quantity Market Share by Application (2019-2030)

Figure 38. North America Shortwave Infrared (SWIR) Sales Quantity Market Share by Country (2019-2030)

Figure 39. North America Shortwave Infrared (SWIR) Consumption Value Market Share by Country (2019-2030)

Figure 40. United States Shortwave Infrared (SWIR) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 41. Canada Shortwave Infrared (SWIR) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 42. Mexico Shortwave Infrared (SWIR) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 43. Europe Shortwave Infrared (SWIR) Sales Quantity Market Share by Type

(2019-2030)

Figure 44. Europe Shortwave Infrared (SWIR) Sales Quantity Market Share by Application (2019-2030)

Figure 45. Europe Shortwave Infrared (SWIR) Sales Quantity Market Share by Country (2019-2030)

Figure 46. Europe Shortwave Infrared (SWIR) Consumption Value Market Share by Country (2019-2030)

Figure 47. Germany Shortwave Infrared (SWIR) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 48. France Shortwave Infrared (SWIR) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 49. United Kingdom Shortwave Infrared (SWIR) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 50. Russia Shortwave Infrared (SWIR) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 51. Italy Shortwave Infrared (SWIR) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 52. Asia-Pacific Shortwave Infrared (SWIR) Sales Quantity Market Share by Type (2019-2030)

Figure 53. Asia-Pacific Shortwave Infrared (SWIR) Sales Quantity Market Share by Application (2019-2030)

Figure 54. Asia-Pacific Shortwave Infrared (SWIR) Sales Quantity Market Share by Region (2019-2030)

Figure 55. Asia-Pacific Shortwave Infrared (SWIR) Consumption Value Market Share by Region (2019-2030)

Figure 56. China Shortwave Infrared (SWIR) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 57. Japan Shortwave Infrared (SWIR) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 58. Korea Shortwave Infrared (SWIR) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 59. India Shortwave Infrared (SWIR) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 60. Southeast Asia Shortwave Infrared (SWIR) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 61. Australia Shortwave Infrared (SWIR) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 62. South America Shortwave Infrared (SWIR) Sales Quantity Market Share by Type (2019-2030)

- Figure 63. South America Shortwave Infrared (SWIR) Sales Quantity Market Share by Application (2019-2030)
- Figure 64. South America Shortwave Infrared (SWIR) Sales Quantity Market Share by Country (2019-2030)
- Figure 65. South America Shortwave Infrared (SWIR) Consumption Value Market Share by Country (2019-2030)
- Figure 66. Brazil Shortwave Infrared (SWIR) Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 67. Argentina Shortwave Infrared (SWIR) Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 68. Middle East & Africa Shortwave Infrared (SWIR) Sales Quantity Market Share by Type (2019-2030)
- Figure 69. Middle East & Africa Shortwave Infrared (SWIR) Sales Quantity Market Share by Application (2019-2030)
- Figure 70. Middle East & Africa Shortwave Infrared (SWIR) Sales Quantity Market Share by Region (2019-2030)
- Figure 71. Middle East & Africa Shortwave Infrared (SWIR) Consumption Value Market Share by Region (2019-2030)
- Figure 72. Turkey Shortwave Infrared (SWIR) Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 73. Egypt Shortwave Infrared (SWIR) Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 74. Saudi Arabia Shortwave Infrared (SWIR) Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 75. South Africa Shortwave Infrared (SWIR) Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 76. Shortwave Infrared (SWIR) Market Drivers
- Figure 77. Shortwave Infrared (SWIR) Market Restraints
- Figure 78. Shortwave Infrared (SWIR) Market Trends
- Figure 79. Porters Five Forces Analysis
- Figure 80. Manufacturing Cost Structure Analysis of Shortwave Infrared (SWIR) in 2023
- Figure 81. Manufacturing Process Analysis of Shortwave Infrared (SWIR)
- Figure 82. Shortwave Infrared (SWIR) Industrial Chain
- Figure 83. Sales Quantity Channel: Direct to End-User vs Distributors
- Figure 84. Direct Channel Pros & Cons
- Figure 85. Indirect Channel Pros & Cons
- Figure 86. Methodology
- Figure 87. Research Process and Data Source

I would like to order

Product name: Global Shortwave Infrared (SWIR) Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

Product link: <https://marketpublishers.com/r/G1165D5B808EN.html>

Price: US\$ 3,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G1165D5B808EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:

Last name:

Email:

Company:

Address:

City:

Zip code:

Country:

Tel:

Fax:

Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

