

# Global Optical Lenses for Infrared Equipment Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

https://marketpublishers.com/r/G5C1F75A459AEN.html

Date: March 2023

Pages: 109

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

ID: G5C1F75A459AEN

## **Abstracts**

According to our (Global Info Research) latest study, the global Optical Lenses for Infrared Equipment market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

Optical Lenses for Infrared Equipment,s it uses a special optical glass material and the latest optical design methods to eliminate the focal plane shift between visible and infrared light, so that light from the visible to the infrared region can be imaged in the same focal plane, making both images clear. In addition, IR infrared lenses also use a special multi-layer coating technology to increase the transmission rate of infrared light, so cameras with IR lenses can monitor farther and better at night than cameras with ordinary lenses.

This report is a detailed and comprehensive analysis for global Optical Lenses for Infrared Equipment market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2023, are provided.

**Key Features:** 

Global Optical Lenses for Infrared Equipment market size and forecasts, in consumption



value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2018-2029

Global Optical Lenses for Infrared Equipment market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2018-2029

Global Optical Lenses for Infrared Equipment market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2018-2029

Global Optical Lenses for Infrared Equipment market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (US\$/Unit), 2018-2023

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Optical Lenses for Infrared Equipment

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Optical Lenses for Infrared Equipment market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Umicore, Edmund Optics, Sumitomo Electric Industries, Ltd., RP Photonics and Teledyne, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Market Segmentation

Optical Lenses for Infrared Equipment market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche



markets.
Market segment by Type
Fixed Focus
Manual Focusing
Motorised Focus
Other
Market segment by Application
Mechanical Engineering
Automotive
Aeronautics
Marine
Oil And Gas
Chemical Industrial
Medical
Electrical
Major players covered
Umicore
Edmund Optics
Sumitomo Electric Industries, Ltd.



**RP Photonics** 

Teledyne

Sunny Optical Technology (Group) Company Limited

**Opto Engineering** 

TAMRON Co.,Ltd.

Ophir Optronics Solutions Ltd.

North Night Vision Technology Research Institute Group Co., Ltd

LightPath Technologies

Phenix Optics Company Limited

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 Optical Lenses for Infrared Equipment product scope, market overview, market estimation caveats and base year.



Chapter 2, to profile the top manufacturers of Optical Lenses for Infrared Equipment, with price, sales, revenue and global market share of Optical Lenses for Infrared Equipment from 2018 to 2023.

Chapter 3, the Optical Lenses for Infrared Equipment competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Optical Lenses for Infrared Equipment breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

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 2022.and Optical Lenses for Infrared Equipment market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of Optical Lenses for Infrared Equipment.

Chapter 14 and 15, to describe Optical Lenses for Infrared Equipment sales channel, distributors, customers, research findings and conclusion.



### **Contents**

#### 1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of Optical Lenses for Infrared Equipment
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
  - 1.3.1 Overview: Global Optical Lenses for Infrared Equipment Consumption Value by

Type: 2018 Versus 2022 Versus 2029

- 1.3.2 Fixed Focus
- 1.3.3 Manual Focusing
- 1.3.4 Motorised Focus
- 1.3.5 Other
- 1.4 Market Analysis by Application
- 1.4.1 Overview: Global Optical Lenses for Infrared Equipment Consumption Value by

Application: 2018 Versus 2022 Versus 2029

- 1.4.2 Mechanical Engineering
- 1.4.3 Automotive
- 1.4.4 Aeronautics
- 1.4.5 Marine
- 1.4.6 Oil And Gas
- 1.4.7 Chemical Industrial
- 1.4.8 Medical
- 1.4.9 Electrical
- 1.5 Global Optical Lenses for Infrared Equipment Market Size & Forecast
- 1.5.1 Global Optical Lenses for Infrared Equipment Consumption Value (2018 & 2022 & 2029)
  - 1.5.2 Global Optical Lenses for Infrared Equipment Sales Quantity (2018-2029)
  - 1.5.3 Global Optical Lenses for Infrared Equipment Average Price (2018-2029)

#### **2 MANUFACTURERS PROFILES**

- 2.1 Umicore
  - 2.1.1 Umicore Details
  - 2.1.2 Umicore Major Business
  - 2.1.3 Umicore Optical Lenses for Infrared Equipment Product and Services
  - 2.1.4 Umicore Optical Lenses for Infrared Equipment Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2018-2023)

2.1.5 Umicore Recent Developments/Updates



- 2.2 Edmund Optics
  - 2.2.1 Edmund Optics Details
  - 2.2.2 Edmund Optics Major Business
  - 2.2.3 Edmund Optics Optical Lenses for Infrared Equipment Product and Services
- 2.2.4 Edmund Optics Optical Lenses for Infrared Equipment Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.2.5 Edmund Optics Recent Developments/Updates
- 2.3 Sumitomo Electric Industries, Ltd.
  - 2.3.1 Sumitomo Electric Industries, Ltd. Details
  - 2.3.2 Sumitomo Electric Industries, Ltd. Major Business
- 2.3.3 Sumitomo Electric Industries, Ltd. Optical Lenses for Infrared Equipment Product and Services
- 2.3.4 Sumitomo Electric Industries, Ltd. Optical Lenses for Infrared Equipment Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.3.5 Sumitomo Electric Industries, Ltd. Recent Developments/Updates
- 2.4 RP Photonics
  - 2.4.1 RP Photonics Details
  - 2.4.2 RP Photonics Major Business
  - 2.4.3 RP Photonics Optical Lenses for Infrared Equipment Product and Services
- 2.4.4 RP Photonics Optical Lenses for Infrared Equipment Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.4.5 RP Photonics Recent Developments/Updates
- 2.5 Teledyne
  - 2.5.1 Teledyne Details
  - 2.5.2 Teledyne Major Business
  - 2.5.3 Teledyne Optical Lenses for Infrared Equipment Product and Services
- 2.5.4 Teledyne Optical Lenses for Infrared Equipment Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
- 2.5.5 Teledyne Recent Developments/Updates
- 2.6 Sunny Optical Technology (Group) Company Limited
  - 2.6.1 Sunny Optical Technology (Group) Company Limited Details
  - 2.6.2 Sunny Optical Technology (Group) Company Limited Major Business
- 2.6.3 Sunny Optical Technology (Group) Company Limited Optical Lenses for Infrared Equipment Product and Services
- 2.6.4 Sunny Optical Technology (Group) Company Limited Optical Lenses for Infrared Equipment Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
- 2.6.5 Sunny Optical Technology (Group) Company Limited Recent Developments/Updates



- 2.7 Opto Engineering
  - 2.7.1 Opto Engineering Details
  - 2.7.2 Opto Engineering Major Business
  - 2.7.3 Opto Engineering Optical Lenses for Infrared Equipment Product and Services
  - 2.7.4 Opto Engineering Optical Lenses for Infrared Equipment Sales Quantity,

Average Price, Revenue, Gross Margin and Market Share (2018-2023)

- 2.7.5 Opto Engineering Recent Developments/Updates
- 2.8 TAMRON Co.,Ltd.
  - 2.8.1 TAMRON Co., Ltd. Details
  - 2.8.2 TAMRON Co.,Ltd. Major Business
  - 2.8.3 TAMRON Co.,Ltd. Optical Lenses for Infrared Equipment Product and Services
  - 2.8.4 TAMRON Co., Ltd. Optical Lenses for Infrared Equipment Sales Quantity,

Average Price, Revenue, Gross Margin and Market Share (2018-2023)

- 2.8.5 TAMRON Co., Ltd. Recent Developments/Updates
- 2.9 Ophir Optronics Solutions Ltd.
  - 2.9.1 Ophir Optronics Solutions Ltd. Details
  - 2.9.2 Ophir Optronics Solutions Ltd. Major Business
- 2.9.3 Ophir Optronics Solutions Ltd. Optical Lenses for Infrared Equipment Product and Services
- 2.9.4 Ophir Optronics Solutions Ltd. Optical Lenses for Infrared Equipment Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
- 2.9.5 Ophir Optronics Solutions Ltd. Recent Developments/Updates
- 2.10 North Night Vision Technology Research Institute Group Co., Ltd
  - 2.10.1 North Night Vision Technology Research Institute Group Co., Ltd Details
- 2.10.2 North Night Vision Technology Research Institute Group Co., Ltd Major Business
- 2.10.3 North Night Vision Technology Research Institute Group Co., Ltd Optical Lenses for Infrared Equipment Product and Services
- 2.10.4 North Night Vision Technology Research Institute Group Co., Ltd Optical Lenses for Infrared Equipment Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
- 2.10.5 North Night Vision Technology Research Institute Group Co., Ltd Recent Developments/Updates
- 2.11 LightPath Technologies
  - 2.11.1 LightPath Technologies Details
  - 2.11.2 LightPath Technologies Major Business
- 2.11.3 LightPath Technologies Optical Lenses for Infrared Equipment Product and Services
  - 2.11.4 LightPath Technologies Optical Lenses for Infrared Equipment Sales Quantity,



Average Price, Revenue, Gross Margin and Market Share (2018-2023)

- 2.11.5 LightPath Technologies Recent Developments/Updates
- 2.12 Phenix Optics Company Limited
  - 2.12.1 Phenix Optics Company Limited Details
  - 2.12.2 Phenix Optics Company Limited Major Business
- 2.12.3 Phenix Optics Company Limited Optical Lenses for Infrared Equipment Product and Services
- 2.12.4 Phenix Optics Company Limited Optical Lenses for Infrared Equipment Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.12.5 Phenix Optics Company Limited Recent Developments/Updates

# 3 COMPETITIVE ENVIRONMENT: OPTICAL LENSES FOR INFRARED EQUIPMENT BY MANUFACTURER

- 3.1 Global Optical Lenses for Infrared Equipment Sales Quantity by Manufacturer (2018-2023)
- 3.2 Global Optical Lenses for Infrared Equipment Revenue by Manufacturer (2018-2023)
- 3.3 Global Optical Lenses for Infrared Equipment Average Price by Manufacturer (2018-2023)
- 3.4 Market Share Analysis (2022)
- 3.4.1 Producer Shipments of Optical Lenses for Infrared Equipment by Manufacturer Revenue (\$MM) and Market Share (%): 2022
- 3.4.2 Top 3 Optical Lenses for Infrared Equipment Manufacturer Market Share in 2022
- 3.4.2 Top 6 Optical Lenses for Infrared Equipment Manufacturer Market Share in 2022
- 3.5 Optical Lenses for Infrared Equipment Market: Overall Company Footprint Analysis
  - 3.5.1 Optical Lenses for Infrared Equipment Market: Region Footprint
  - 3.5.2 Optical Lenses for Infrared Equipment Market: Company Product Type Footprint
- 3.5.3 Optical Lenses for Infrared Equipment 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 Optical Lenses for Infrared Equipment Market Size by Region
- 4.1.1 Global Optical Lenses for Infrared Equipment Sales Quantity by Region (2018-2029)
- 4.1.2 Global Optical Lenses for Infrared Equipment Consumption Value by Region



(2018-2029)

- 4.1.3 Global Optical Lenses for Infrared Equipment Average Price by Region (2018-2029)
- 4.2 North America Optical Lenses for Infrared Equipment Consumption Value (2018-2029)
- 4.3 Europe Optical Lenses for Infrared Equipment Consumption Value (2018-2029)
- 4.4 Asia-Pacific Optical Lenses for Infrared Equipment Consumption Value (2018-2029)
- 4.5 South America Optical Lenses for Infrared Equipment Consumption Value (2018-2029)
- 4.6 Middle East and Africa Optical Lenses for Infrared Equipment Consumption Value (2018-2029)

#### **5 MARKET SEGMENT BY TYPE**

- 5.1 Global Optical Lenses for Infrared Equipment Sales Quantity by Type (2018-2029)
- 5.2 Global Optical Lenses for Infrared Equipment Consumption Value by Type (2018-2029)
- 5.3 Global Optical Lenses for Infrared Equipment Average Price by Type (2018-2029)

#### **6 MARKET SEGMENT BY APPLICATION**

- 6.1 Global Optical Lenses for Infrared Equipment Sales Quantity by Application (2018-2029)
- 6.2 Global Optical Lenses for Infrared Equipment Consumption Value by Application (2018-2029)
- 6.3 Global Optical Lenses for Infrared Equipment Average Price by Application (2018-2029)

#### 7 NORTH AMERICA

- 7.1 North America Optical Lenses for Infrared Equipment Sales Quantity by Type (2018-2029)
- 7.2 North America Optical Lenses for Infrared Equipment Sales Quantity by Application (2018-2029)
- 7.3 North America Optical Lenses for Infrared Equipment Market Size by Country
- 7.3.1 North America Optical Lenses for Infrared Equipment Sales Quantity by Country (2018-2029)
- 7.3.2 North America Optical Lenses for Infrared Equipment Consumption Value by Country (2018-2029)



- 7.3.3 United States Market Size and Forecast (2018-2029)
- 7.3.4 Canada Market Size and Forecast (2018-2029)
- 7.3.5 Mexico Market Size and Forecast (2018-2029)

#### **8 EUROPE**

- 8.1 Europe Optical Lenses for Infrared Equipment Sales Quantity by Type (2018-2029)
- 8.2 Europe Optical Lenses for Infrared Equipment Sales Quantity by Application (2018-2029)
- 8.3 Europe Optical Lenses for Infrared Equipment Market Size by Country
- 8.3.1 Europe Optical Lenses for Infrared Equipment Sales Quantity by Country (2018-2029)
- 8.3.2 Europe Optical Lenses for Infrared Equipment Consumption Value by Country (2018-2029)
  - 8.3.3 Germany Market Size and Forecast (2018-2029)
  - 8.3.4 France Market Size and Forecast (2018-2029)
- 8.3.5 United Kingdom Market Size and Forecast (2018-2029)
- 8.3.6 Russia Market Size and Forecast (2018-2029)
- 8.3.7 Italy Market Size and Forecast (2018-2029)

#### 9 ASIA-PACIFIC

- 9.1 Asia-Pacific Optical Lenses for Infrared Equipment Sales Quantity by Type (2018-2029)
- 9.2 Asia-Pacific Optical Lenses for Infrared Equipment Sales Quantity by Application (2018-2029)
- 9.3 Asia-Pacific Optical Lenses for Infrared Equipment Market Size by Region
- 9.3.1 Asia-Pacific Optical Lenses for Infrared Equipment Sales Quantity by Region (2018-2029)
- 9.3.2 Asia-Pacific Optical Lenses for Infrared Equipment Consumption Value by Region (2018-2029)
  - 9.3.3 China Market Size and Forecast (2018-2029)
  - 9.3.4 Japan Market Size and Forecast (2018-2029)
  - 9.3.5 Korea Market Size and Forecast (2018-2029)
  - 9.3.6 India Market Size and Forecast (2018-2029)
  - 9.3.7 Southeast Asia Market Size and Forecast (2018-2029)
  - 9.3.8 Australia Market Size and Forecast (2018-2029)

#### 10 SOUTH AMERICA



- 10.1 South America Optical Lenses for Infrared Equipment Sales Quantity by Type (2018-2029)
- 10.2 South America Optical Lenses for Infrared Equipment Sales Quantity by Application (2018-2029)
- 10.3 South America Optical Lenses for Infrared Equipment Market Size by Country 10.3.1 South America Optical Lenses for Infrared Equipment Sales Quantity by Country (2018-2029)
- 10.3.2 South America Optical Lenses for Infrared Equipment Consumption Value by Country (2018-2029)
  - 10.3.3 Brazil Market Size and Forecast (2018-2029)
  - 10.3.4 Argentina Market Size and Forecast (2018-2029)

#### 11 MIDDLE EAST & AFRICA

- 11.1 Middle East & Africa Optical Lenses for Infrared Equipment Sales Quantity by Type (2018-2029)
- 11.2 Middle East & Africa Optical Lenses for Infrared Equipment Sales Quantity by Application (2018-2029)
- 11.3 Middle East & Africa Optical Lenses for Infrared Equipment Market Size by Country
- 11.3.1 Middle East & Africa Optical Lenses for Infrared Equipment Sales Quantity by Country (2018-2029)
- 11.3.2 Middle East & Africa Optical Lenses for Infrared Equipment Consumption Value by Country (2018-2029)
  - 11.3.3 Turkey Market Size and Forecast (2018-2029)
  - 11.3.4 Egypt Market Size and Forecast (2018-2029)
  - 11.3.5 Saudi Arabia Market Size and Forecast (2018-2029)
  - 11.3.6 South Africa Market Size and Forecast (2018-2029)

#### 12 MARKET DYNAMICS

- 12.1 Optical Lenses for Infrared Equipment Market Drivers
- 12.2 Optical Lenses for Infrared Equipment Market Restraints
- 12.3 Optical Lenses for Infrared Equipment 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
- 12.5 Influence of COVID-19 and Russia-Ukraine War
  - 12.5.1 Influence of COVID-19
  - 12.5.2 Influence of Russia-Ukraine War

#### 13 RAW MATERIAL AND INDUSTRY CHAIN

- 13.1 Raw Material of Optical Lenses for Infrared Equipment and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of Optical Lenses for Infrared Equipment
- 13.3 Optical Lenses for Infrared Equipment Production Process
- 13.4 Optical Lenses for Infrared Equipment Industrial Chain

#### 14 SHIPMENTS BY DISTRIBUTION CHANNEL

- 14.1 Sales Channel
  - 14.1.1 Direct to End-User
  - 14.1.2 Distributors
- 14.2 Optical Lenses for Infrared Equipment Typical Distributors
- 14.3 Optical Lenses for Infrared Equipment 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 Optical Lenses for Infrared Equipment Consumption Value by Type, (USD Million), 2018 & 2022 & 2029
- Table 2. Global Optical Lenses for Infrared Equipment Consumption Value by Application, (USD Million), 2018 & 2022 & 2029
- Table 3. Umicore Basic Information, Manufacturing Base and Competitors
- Table 4. Umicore Major Business
- Table 5. Umicore Optical Lenses for Infrared Equipment Product and Services
- Table 6. Umicore Optical Lenses for Infrared Equipment Sales Quantity (Units),
- Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 7. Umicore Recent Developments/Updates
- Table 8. Edmund Optics Basic Information, Manufacturing Base and Competitors
- Table 9. Edmund Optics Major Business
- Table 10. Edmund Optics Optical Lenses for Infrared Equipment Product and Services
- Table 11. Edmund Optics Optical Lenses for Infrared Equipment Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share
- (2018-2023)
- Table 12. Edmund Optics Recent Developments/Updates
- Table 13. Sumitomo Electric Industries, Ltd. Basic Information, Manufacturing Base and Competitors
- Table 14. Sumitomo Electric Industries, Ltd. Major Business
- Table 15. Sumitomo Electric Industries, Ltd. Optical Lenses for Infrared Equipment Product and Services
- Table 16. Sumitomo Electric Industries, Ltd. Optical Lenses for Infrared Equipment Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 17. Sumitomo Electric Industries, Ltd. Recent Developments/Updates
- Table 18. RP Photonics Basic Information, Manufacturing Base and Competitors
- Table 19. RP Photonics Major Business
- Table 20. RP Photonics Optical Lenses for Infrared Equipment Product and Services
- Table 21. RP Photonics Optical Lenses for Infrared Equipment Sales Quantity (Units),
- Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 22. RP Photonics Recent Developments/Updates
- Table 23. Teledyne Basic Information, Manufacturing Base and Competitors



- Table 24. Teledyne Major Business
- Table 25. Teledyne Optical Lenses for Infrared Equipment Product and Services
- Table 26. Teledyne Optical Lenses for Infrared Equipment Sales Quantity (Units),

Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

- Table 27. Teledyne Recent Developments/Updates
- Table 28. Sunny Optical Technology (Group) Company Limited Basic Information, Manufacturing Base and Competitors
- Table 29. Sunny Optical Technology (Group) Company Limited Major Business
- Table 30. Sunny Optical Technology (Group) Company Limited Optical Lenses for Infrared Equipment Product and Services
- Table 31. Sunny Optical Technology (Group) Company Limited Optical Lenses for Infrared Equipment Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 32. Sunny Optical Technology (Group) Company Limited Recent Developments/Updates
- Table 33. Opto Engineering Basic Information, Manufacturing Base and Competitors
- Table 34. Opto Engineering Major Business
- Table 35. Opto Engineering Optical Lenses for Infrared Equipment Product and Services
- Table 36. Opto Engineering Optical Lenses for Infrared Equipment Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 37. Opto Engineering Recent Developments/Updates
- Table 38. TAMRON Co., Ltd. Basic Information, Manufacturing Base and Competitors
- Table 39. TAMRON Co.,Ltd. Major Business
- Table 40. TAMRON Co.,Ltd. Optical Lenses for Infrared Equipment Product and Services
- Table 41. TAMRON Co.,Ltd. Optical Lenses for Infrared Equipment Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 42. TAMRON Co.,Ltd. Recent Developments/Updates
- Table 43. Ophir Optronics Solutions Ltd. Basic Information, Manufacturing Base and Competitors
- Table 44. Ophir Optronics Solutions Ltd. Major Business
- Table 45. Ophir Optronics Solutions Ltd. Optical Lenses for Infrared Equipment Product and Services
- Table 46. Ophir Optronics Solutions Ltd. Optical Lenses for Infrared Equipment Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and



Market Share (2018-2023)

Table 47. Ophir Optronics Solutions Ltd. Recent Developments/Updates

Table 48. North Night Vision Technology Research Institute Group Co., Ltd Basic Information, Manufacturing Base and Competitors

Table 49. North Night Vision Technology Research Institute Group Co., Ltd Major Business

Table 50. North Night Vision Technology Research Institute Group Co., Ltd Optical Lenses for Infrared Equipment Product and Services

Table 51. North Night Vision Technology Research Institute Group Co., Ltd Optical Lenses for Infrared Equipment Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 52. North Night Vision Technology Research Institute Group Co., Ltd Recent Developments/Updates

Table 53. LightPath Technologies Basic Information, Manufacturing Base and Competitors

Table 54. LightPath Technologies Major Business

Table 55. LightPath Technologies Optical Lenses for Infrared Equipment Product and Services

Table 56. LightPath Technologies Optical Lenses for Infrared Equipment Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 57. LightPath Technologies Recent Developments/Updates

Table 58. Phenix Optics Company Limited Basic Information, Manufacturing Base and Competitors

Table 59. Phenix Optics Company Limited Major Business

Table 60. Phenix Optics Company Limited Optical Lenses for Infrared Equipment Product and Services

Table 61. Phenix Optics Company Limited Optical Lenses for Infrared Equipment Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 62. Phenix Optics Company Limited Recent Developments/Updates

Table 63. Global Optical Lenses for Infrared Equipment Sales Quantity by Manufacturer (2018-2023) & (Units)

Table 64. Global Optical Lenses for Infrared Equipment Revenue by Manufacturer (2018-2023) & (USD Million)

Table 65. Global Optical Lenses for Infrared Equipment Average Price by Manufacturer (2018-2023) & (US\$/Unit)

Table 66. Market Position of Manufacturers in Optical Lenses for Infrared Equipment, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2022



- Table 67. Head Office and Optical Lenses for Infrared Equipment Production Site of Key Manufacturer
- Table 68. Optical Lenses for Infrared Equipment Market: Company Product Type Footprint
- Table 69. Optical Lenses for Infrared Equipment Market: Company Product Application Footprint
- Table 70. Optical Lenses for Infrared Equipment New Market Entrants and Barriers to Market Entry
- Table 71. Optical Lenses for Infrared Equipment Mergers, Acquisition, Agreements, and Collaborations
- Table 72. Global Optical Lenses for Infrared Equipment Sales Quantity by Region (2018-2023) & (Units)
- Table 73. Global Optical Lenses for Infrared Equipment Sales Quantity by Region (2024-2029) & (Units)
- Table 74. Global Optical Lenses for Infrared Equipment Consumption Value by Region (2018-2023) & (USD Million)
- Table 75. Global Optical Lenses for Infrared Equipment Consumption Value by Region (2024-2029) & (USD Million)
- Table 76. Global Optical Lenses for Infrared Equipment Average Price by Region (2018-2023) & (US\$/Unit)
- Table 77. Global Optical Lenses for Infrared Equipment Average Price by Region (2024-2029) & (US\$/Unit)
- Table 78. Global Optical Lenses for Infrared Equipment Sales Quantity by Type (2018-2023) & (Units)
- Table 79. Global Optical Lenses for Infrared Equipment Sales Quantity by Type (2024-2029) & (Units)
- Table 80. Global Optical Lenses for Infrared Equipment Consumption Value by Type (2018-2023) & (USD Million)
- Table 81. Global Optical Lenses for Infrared Equipment Consumption Value by Type (2024-2029) & (USD Million)
- Table 82. Global Optical Lenses for Infrared Equipment Average Price by Type (2018-2023) & (US\$/Unit)
- Table 83. Global Optical Lenses for Infrared Equipment Average Price by Type (2024-2029) & (US\$/Unit)
- Table 84. Global Optical Lenses for Infrared Equipment Sales Quantity by Application (2018-2023) & (Units)
- Table 85. Global Optical Lenses for Infrared Equipment Sales Quantity by Application (2024-2029) & (Units)
- Table 86. Global Optical Lenses for Infrared Equipment Consumption Value by



Application (2018-2023) & (USD Million)

Table 87. Global Optical Lenses for Infrared Equipment Consumption Value by Application (2024-2029) & (USD Million)

Table 88. Global Optical Lenses for Infrared Equipment Average Price by Application (2018-2023) & (US\$/Unit)

Table 89. Global Optical Lenses for Infrared Equipment Average Price by Application (2024-2029) & (US\$/Unit)

Table 90. North America Optical Lenses for Infrared Equipment Sales Quantity by Type (2018-2023) & (Units)

Table 91. North America Optical Lenses for Infrared Equipment Sales Quantity by Type (2024-2029) & (Units)

Table 92. North America Optical Lenses for Infrared Equipment Sales Quantity by Application (2018-2023) & (Units)

Table 93. North America Optical Lenses for Infrared Equipment Sales Quantity by Application (2024-2029) & (Units)

Table 94. North America Optical Lenses for Infrared Equipment Sales Quantity by Country (2018-2023) & (Units)

Table 95. North America Optical Lenses for Infrared Equipment Sales Quantity by Country (2024-2029) & (Units)

Table 96. North America Optical Lenses for Infrared Equipment Consumption Value by Country (2018-2023) & (USD Million)

Table 97. North America Optical Lenses for Infrared Equipment Consumption Value by Country (2024-2029) & (USD Million)

Table 98. Europe Optical Lenses for Infrared Equipment Sales Quantity by Type (2018-2023) & (Units)

Table 99. Europe Optical Lenses for Infrared Equipment Sales Quantity by Type (2024-2029) & (Units)

Table 100. Europe Optical Lenses for Infrared Equipment Sales Quantity by Application (2018-2023) & (Units)

Table 101. Europe Optical Lenses for Infrared Equipment Sales Quantity by Application (2024-2029) & (Units)

Table 102. Europe Optical Lenses for Infrared Equipment Sales Quantity by Country (2018-2023) & (Units)

Table 103. Europe Optical Lenses for Infrared Equipment Sales Quantity by Country (2024-2029) & (Units)

Table 104. Europe Optical Lenses for Infrared Equipment Consumption Value by Country (2018-2023) & (USD Million)

Table 105. Europe Optical Lenses for Infrared Equipment Consumption Value by Country (2024-2029) & (USD Million)



Table 106. Asia-Pacific Optical Lenses for Infrared Equipment Sales Quantity by Type (2018-2023) & (Units)

Table 107. Asia-Pacific Optical Lenses for Infrared Equipment Sales Quantity by Type (2024-2029) & (Units)

Table 108. Asia-Pacific Optical Lenses for Infrared Equipment Sales Quantity by Application (2018-2023) & (Units)

Table 109. Asia-Pacific Optical Lenses for Infrared Equipment Sales Quantity by Application (2024-2029) & (Units)

Table 110. Asia-Pacific Optical Lenses for Infrared Equipment Sales Quantity by Region (2018-2023) & (Units)

Table 111. Asia-Pacific Optical Lenses for Infrared Equipment Sales Quantity by Region (2024-2029) & (Units)

Table 112. Asia-Pacific Optical Lenses for Infrared Equipment Consumption Value by Region (2018-2023) & (USD Million)

Table 113. Asia-Pacific Optical Lenses for Infrared Equipment Consumption Value by Region (2024-2029) & (USD Million)

Table 114. South America Optical Lenses for Infrared Equipment Sales Quantity by Type (2018-2023) & (Units)

Table 115. South America Optical Lenses for Infrared Equipment Sales Quantity by Type (2024-2029) & (Units)

Table 116. South America Optical Lenses for Infrared Equipment Sales Quantity by Application (2018-2023) & (Units)

Table 117. South America Optical Lenses for Infrared Equipment Sales Quantity by Application (2024-2029) & (Units)

Table 118. South America Optical Lenses for Infrared Equipment Sales Quantity by Country (2018-2023) & (Units)

Table 119. South America Optical Lenses for Infrared Equipment Sales Quantity by Country (2024-2029) & (Units)

Table 120. South America Optical Lenses for Infrared Equipment Consumption Value by Country (2018-2023) & (USD Million)

Table 121. South America Optical Lenses for Infrared Equipment Consumption Value by Country (2024-2029) & (USD Million)

Table 122. Middle East & Africa Optical Lenses for Infrared Equipment Sales Quantity by Type (2018-2023) & (Units)

Table 123. Middle East & Africa Optical Lenses for Infrared Equipment Sales Quantity by Type (2024-2029) & (Units)

Table 124. Middle East & Africa Optical Lenses for Infrared Equipment Sales Quantity by Application (2018-2023) & (Units)

Table 125. Middle East & Africa Optical Lenses for Infrared Equipment Sales Quantity



by Application (2024-2029) & (Units)

Table 126. Middle East & Africa Optical Lenses for Infrared Equipment Sales Quantity by Region (2018-2023) & (Units)

Table 127. Middle East & Africa Optical Lenses for Infrared Equipment Sales Quantity by Region (2024-2029) & (Units)

Table 128. Middle East & Africa Optical Lenses for Infrared Equipment Consumption Value by Region (2018-2023) & (USD Million)

Table 129. Middle East & Africa Optical Lenses for Infrared Equipment Consumption Value by Region (2024-2029) & (USD Million)

Table 130. Optical Lenses for Infrared Equipment Raw Material

Table 131. Key Manufacturers of Optical Lenses for Infrared Equipment Raw Materials

Table 132. Optical Lenses for Infrared Equipment Typical Distributors

Table 133. Optical Lenses for Infrared Equipment Typical Customers



# **List Of Figures**

#### **LIST OF FIGURES**

Figure 1. Optical Lenses for Infrared Equipment Picture

Figure 2. Global Optical Lenses for Infrared Equipment Consumption Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 3. Global Optical Lenses for Infrared Equipment Consumption Value Market Share by Type in 2022

Figure 4. Fixed Focus Examples

Figure 5. Manual Focusing Examples

Figure 6. Motorised Focus Examples

Figure 7. Other Examples

Figure 8. Global Optical Lenses for Infrared Equipment Consumption Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 9. Global Optical Lenses for Infrared Equipment Consumption Value Market Share by Application in 2022

Figure 10. Mechanical Engineering Examples

Figure 11. Automotive Examples

Figure 12. Aeronautics Examples

Figure 13. Marine Examples

Figure 14. Oil And Gas Examples

Figure 15. Chemical Industrial Examples

Figure 16. Medical Examples

Figure 17. Electrical Examples

Figure 18. Global Optical Lenses for Infrared Equipment Consumption Value, (USD

Million): 2018 & 2022 & 2029

Figure 19. Global Optical Lenses for Infrared Equipment Consumption Value and Forecast (2018-2029) & (USD Million)

Figure 20. Global Optical Lenses for Infrared Equipment Sales Quantity (2018-2029) & (Units)

Figure 21. Global Optical Lenses for Infrared Equipment Average Price (2018-2029) & (US\$/Unit)

Figure 22. Global Optical Lenses for Infrared Equipment Sales Quantity Market Share by Manufacturer in 2022

Figure 23. Global Optical Lenses for Infrared Equipment Consumption Value Market Share by Manufacturer in 2022

Figure 24. Producer Shipments of Optical Lenses for Infrared Equipment by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2021



Figure 25. Top 3 Optical Lenses for Infrared Equipment Manufacturer (Consumption Value) Market Share in 2022

Figure 26. Top 6 Optical Lenses for Infrared Equipment Manufacturer (Consumption Value) Market Share in 2022

Figure 27. Global Optical Lenses for Infrared Equipment Sales Quantity Market Share by Region (2018-2029)

Figure 28. Global Optical Lenses for Infrared Equipment Consumption Value Market Share by Region (2018-2029)

Figure 29. North America Optical Lenses for Infrared Equipment Consumption Value (2018-2029) & (USD Million)

Figure 30. Europe Optical Lenses for Infrared Equipment Consumption Value (2018-2029) & (USD Million)

Figure 31. Asia-Pacific Optical Lenses for Infrared Equipment Consumption Value (2018-2029) & (USD Million)

Figure 32. South America Optical Lenses for Infrared Equipment Consumption Value (2018-2029) & (USD Million)

Figure 33. Middle East & Africa Optical Lenses for Infrared Equipment Consumption Value (2018-2029) & (USD Million)

Figure 34. Global Optical Lenses for Infrared Equipment Sales Quantity Market Share by Type (2018-2029)

Figure 35. Global Optical Lenses for Infrared Equipment Consumption Value Market Share by Type (2018-2029)

Figure 36. Global Optical Lenses for Infrared Equipment Average Price by Type (2018-2029) & (US\$/Unit)

Figure 37. Global Optical Lenses for Infrared Equipment Sales Quantity Market Share by Application (2018-2029)

Figure 38. Global Optical Lenses for Infrared Equipment Consumption Value Market Share by Application (2018-2029)

Figure 39. Global Optical Lenses for Infrared Equipment Average Price by Application (2018-2029) & (US\$/Unit)

Figure 40. North America Optical Lenses for Infrared Equipment Sales Quantity Market Share by Type (2018-2029)

Figure 41. North America Optical Lenses for Infrared Equipment Sales Quantity Market Share by Application (2018-2029)

Figure 42. North America Optical Lenses for Infrared Equipment Sales Quantity Market Share by Country (2018-2029)

Figure 43. North America Optical Lenses for Infrared Equipment Consumption Value Market Share by Country (2018-2029)

Figure 44. United States Optical Lenses for Infrared Equipment Consumption Value and



Growth Rate (2018-2029) & (USD Million)

Figure 45. Canada Optical Lenses for Infrared Equipment Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 46. Mexico Optical Lenses for Infrared Equipment Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 47. Europe Optical Lenses for Infrared Equipment Sales Quantity Market Share by Type (2018-2029)

Figure 48. Europe Optical Lenses for Infrared Equipment Sales Quantity Market Share by Application (2018-2029)

Figure 49. Europe Optical Lenses for Infrared Equipment Sales Quantity Market Share by Country (2018-2029)

Figure 50. Europe Optical Lenses for Infrared Equipment Consumption Value Market Share by Country (2018-2029)

Figure 51. Germany Optical Lenses for Infrared Equipment Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 52. France Optical Lenses for Infrared Equipment Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 53. United Kingdom Optical Lenses for Infrared Equipment Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 54. Russia Optical Lenses for Infrared Equipment Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 55. Italy Optical Lenses for Infrared Equipment Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 56. Asia-Pacific Optical Lenses for Infrared Equipment Sales Quantity Market Share by Type (2018-2029)

Figure 57. Asia-Pacific Optical Lenses for Infrared Equipment Sales Quantity Market Share by Application (2018-2029)

Figure 58. Asia-Pacific Optical Lenses for Infrared Equipment Sales Quantity Market Share by Region (2018-2029)

Figure 59. Asia-Pacific Optical Lenses for Infrared Equipment Consumption Value Market Share by Region (2018-2029)

Figure 60. China Optical Lenses for Infrared Equipment Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 61. Japan Optical Lenses for Infrared Equipment Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 62. Korea Optical Lenses for Infrared Equipment Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 63. India Optical Lenses for Infrared Equipment Consumption Value and Growth Rate (2018-2029) & (USD Million)



Figure 64. Southeast Asia Optical Lenses for Infrared Equipment Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 65. Australia Optical Lenses for Infrared Equipment Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 66. South America Optical Lenses for Infrared Equipment Sales Quantity Market Share by Type (2018-2029)

Figure 67. South America Optical Lenses for Infrared Equipment Sales Quantity Market Share by Application (2018-2029)

Figure 68. South America Optical Lenses for Infrared Equipment Sales Quantity Market Share by Country (2018-2029)

Figure 69. South America Optical Lenses for Infrared Equipment Consumption Value Market Share by Country (2018-2029)

Figure 70. Brazil Optical Lenses for Infrared Equipment Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 71. Argentina Optical Lenses for Infrared Equipment Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 72. Middle East & Africa Optical Lenses for Infrared Equipment Sales Quantity Market Share by Type (2018-2029)

Figure 73. Middle East & Africa Optical Lenses for Infrared Equipment Sales Quantity Market Share by Application (2018-2029)

Figure 74. Middle East & Africa Optical Lenses for Infrared Equipment Sales Quantity Market Share by Region (2018-2029)

Figure 75. Middle East & Africa Optical Lenses for Infrared Equipment Consumption Value Market Share by Region (2018-2029)

Figure 76. Turkey Optical Lenses for Infrared Equipment Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 77. Egypt Optical Lenses for Infrared Equipment Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 78. Saudi Arabia Optical Lenses for Infrared Equipment Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 79. South Africa Optical Lenses for Infrared Equipment Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 80. Optical Lenses for Infrared Equipment Market Drivers

Figure 81. Optical Lenses for Infrared Equipment Market Restraints

Figure 82. Optical Lenses for Infrared Equipment Market Trends

Figure 83. Porters Five Forces Analysis

Figure 84. Manufacturing Cost Structure Analysis of Optical Lenses for Infrared Equipment in 2022

Figure 85. Manufacturing Process Analysis of Optical Lenses for Infrared Equipment



Figure 86. Optical Lenses for Infrared Equipment Industrial Chain

Figure 87. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 88. Direct Channel Pros & Cons

Figure 89. Indirect Channel Pros & Cons

Figure 90. Methodology

Figure 91. Research Process and Data Source



#### I would like to order

Product name: Global Optical Lenses for Infrared Equipment Market 2023 by Manufacturers, Regions,

Type and Application, Forecast to 2029

Product link: https://marketpublishers.com/r/G5C1F75A459AEN.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**

First name:

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <a href="https://marketpublishers.com/r/G5C1F75A459AEN.html">https://marketpublishers.com/r/G5C1F75A459AEN.html</a>

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

Last name:	
Email:	
Company:	
Address:	
City:	
Zip code:	
Country:	
Tel:	
Fax:	
Your message:	
	**All fields are required
	Custumer signature

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

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



