

# Global 8µm - 14µm Longwave Infrared Lens Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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# **Abstracts**

8μm - 14μm Longwave Infrared Lens are designed to capture images in the longwave infrared radiation (LWIR) range, suitable for wavelengths from 8 to 14 microns. These lenses are particularly critical in areas such as night vision, thermal imaging, environmental monitoring, and military reconnaissance, providing clear images in completely dark or smoky environments. Through advanced optical design and special materials, long-wave infrared lenses can effectively transmit thermal radiation and capture thermal images of objects at different temperatures.

According to our (Global Info Research) latest study, the global 8µm - 14µm Longwave Infrared Lens market size was valued at US\$ million in 2023 and is forecast to a readjusted size of USD million by 2030 with a CAGR of %during review period.

This report is a detailed and comprehensive analysis for global 8µm - 14µm Longwave Infrared Lens 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 2024, are provided.

#### **Key Features:**

Global 8µm - 14µm Longwave Infrared Lens market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2019-2030



Global 8μm - 14μm Longwave Infrared Lens market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2019-2030

Global 8μm - 14μm Longwave Infrared Lens market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2019-2030

Global 8μm - 14μm Longwave Infrared Lens market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2019-2024

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 8µm - 14µm Longwave Infrared Lens

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 8µm - 14µm Longwave Infrared Lens market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Edmund Optics, Jenoptik, Alkor Technologies, Solaris Optics, Syntec Optics, Lattice Materials, LightPath Technologies, Thorlabs, Asphericon, Wavelength Opto-Electronic, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

#### Market Segmentation

8µm - 14µm Longwave Infrared Lens 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. This analysis can help you expand your business by targeting qualified niche markets.



Market segment by Type

Spherical Lens
Aspherical Lens
Market segment by Application
Security and Surveillance
Military Reconnaissance
Environmental Monitoring
Others
Major players covered
Edmund Optics
Jenoptik
Alkor Technologies
Solaris Optics
Syntec Optics
Lattice Materials
LightPath Technologies
Thorlabs
Asphericon



Wavelength Opto-Electronic	
IRD Ceramics	
Nanjing Wavelength Opto-Electronic	
Shanghai Optics	
CLZ Precision Optics	
EKSMA Optics	
Noni	
Avantier	
Shalom EO	
Esco Optics	
OPCO Laboratory	
Galvoptics	
Crystal-Optech	
Optrontec	
Viavi Solutions	
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 8µm - 14µm Longwave Infrared Lens product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of 8µm - 14µm Longwave Infrared Lens, with price, sales quantity, revenue, and global market share of 8µm - 14µm Longwave Infrared Lens from 2019 to 2024.

Chapter 3, the 8µm - 14µm Longwave Infrared Lens competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the  $8\mu m$  -  $14\mu m$  Longwave Infrared Lens 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 by Application, with sales market share and growth rate by Type, by 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 2019 to 2024.and 8µm - 14µm Longwave Infrared Lens market forecast, by regions, by Type, and by 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 8µm - 14µm Longwave Infrared Lens.

Chapter 14 and 15, to describe 8µm - 14µm Longwave Infrared Lens sales channel, distributors, customers, research findings and conclusion.



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