

Global IR Optical Glass Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global IR Optical Glass market size was valued at US\$ 330 million in 2025 and is forecast to a readjusted size of US\$ 561 million by 2032 with a CAGR of 8.2% during review period.

In 2024, global production of IR optical glass reached 220.24 tons, with an average selling price of US\$1,457 per kilogram. Global annual production capacity for IR optical glass was approximately 373 tons, with a gross profit margin of approximately 30.2%. IR optical glass refers to optical glass materials with transmittance properties in the infrared band, used to manufacture optical components (such as lenses, prisms, and windows) for infrared imaging, sensing, and laser systems. Unlike visible light glass, IR glass requires optimization of transmittance, refractive index, dispersion, and thermal stability in the near-infrared (NIR), mid-infrared (MIR), or far-infrared (FIR) bands, and presents greater challenges in manufacturing processes, humidity sensitivity, and cost. The upstream of the IR optical glass industry chain includes quartz sand, calcium carbonate, and zinc sulfide, the midstream consists of IR optical glass manufacturers, and the downstream mainly comprises industries such as military defense, security systems, and automobiles.

This report is a detailed and comprehensive analysis for global IR Optical Glass 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 2025, are provided.

Key Features:

Global IR Optical Glass market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2021-2032

Global IR Optical Glass market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2021-2032

Global IR Optical Glass market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2021-2032

Global IR Optical Glass market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/kg), 2021-2026

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 IR Optical Glass

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 IR Optical Glass 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 Umicore, Amorphous Materials, Vitron Spezialwerkstoffe, CDGM Glass, Hubei New Huaguang, VOT, LightPath Technologies, Schott, AGC, Corning, etc.

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

Market Segmentation

IR Optical Glass market is split by Type and by Application. For the period 2021-2032, 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

Chalcogenide Glass

Germanium

ZnSe and ZnS

Others

Market segment by Composition

Contains Germanium

Germanium-free

Market segment by Visible Bands

Mid-Wave Infrared Glass

Long-Wave Infrared Glass

Market segment by Application

Military and Defense

Security System

Automotive

Industrial

Medical and Other

Major players covered

Umicore

Amorphous Materials

Vitron Spezialwerkstoffe

CDGM Glass

Hubei New Huaguang

VOT

LightPath Technologies

Schott

AGC

Corning

Ohara Corporation

Sumita Optical Glass

Crystran

Gabrielle

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 IR Optical Glass product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of IR Optical Glass, with price, sales quantity, revenue, and global market share of IR Optical Glass from 2021 to 2026.

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

Chapter 4, the IR Optical Glass breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

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 2021 to 2032.

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 2021 to 2026. and IR Optical Glass market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 IR Optical Glass.

Chapter 14 and 15, to describe IR Optical Glass sales channel, distributors, customers, research findings and conclusion.

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