

Global Infrared Polarizer Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

<https://marketpublishers.com/r/I38A0F281216EN.html>

Date: July 2025

Pages: 165

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

ID: I38A0F281216EN

Abstracts

According to our (Global Info Research) latest study, the global Infrared Polarizer market size was valued at US\$ 965 million in 2024 and is forecast to a readjusted size of USD 1155 million by 2031 with a CAGR of 2.6% during review period.

The Infrared Polarizer market has emerged as a crucial segment within the field of advanced optics and photonics, addressing the growing demand for optical components that can manipulate and control the polarization state of infrared light. This market caters to diverse applications across scientific research, defense, aerospace, telecommunications, and industrial sectors, where precise control over polarized infrared radiation is essential. Infrared polarizers play a pivotal role in enhancing optical systems by selectively transmitting or blocking specific polarization orientations, enabling improved signal quality, optical contrast, and overall system performance. As technology advances, the market witnesses a rising interest in polarizers for use in mid-infrared (MIR) and far-infrared (FIR) regions, leading to innovations in materials, manufacturing techniques, and coating technologies that enable efficient polarization control over a wide wavelength range. The Infrared Polarizer market's growth is propelled by the ongoing demand for improved infrared sensing, imaging, and communication systems, as well as applications in non-destructive testing, spectroscopy, and more. As industries increasingly rely on infrared technologies, the market is poised for continuous expansion, driven by evolving research needs and a diverse array of applications requiring precise polarization manipulation in the infrared spectrum.

This report is a detailed and comprehensive analysis for global Infrared Polarizer 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 Infrared Polarizer market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Infrared Polarizer market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Infrared Polarizer market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Infrared Polarizer market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

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 Infrared Polarizer
- To forecast future growth in each product and end-use market
- To forecast future factors affecting the marketplace

This report profiles key players in the global Infrared Polarizer 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 Moxtek, Knight Optica, Edmund Optics, TYDEX, API, CODIXX, CASTECH, Dayoptics, FOCtek Photonics, lambda, etc.

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

Market Segmentation

Infrared Polarizer market is split by Type and by Application. For the period 2020-2031, 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

Near Infrared Polarizer

Mid-infrared Polarizer

Far Infrared Polarizer

Market segment by Application

Thin Film Layer Studies

Microscope

Semiconductors Studies

Spectroscopic Instruments

Electro-optic Modulation Systems

Others

Major players covered

Moxtek

Knight Optica

Edmund Optics

TYDEX

API

CODIXX

CASTECH

Dayoptics

FOCtek Photonics

lambda

PIKE Technologies

Rocky Mountain Instrument

ICL

Meadowlark Optics

Tiffen

Specac

Thorlabs

Harrick Scientific

Artifex Engineering

IRPol

Korth Kristalle

Optics Balzers

Crystran

Swift Glass

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 Infrared Polarizer product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Infrared Polarizer, with price, sales quantity, revenue, and global market share of Infrared Polarizer from 2020 to 2025.

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

Chapter 4, the Infrared Polarizer breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

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 2020 to 2031.

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 2020 to 2025. and Infrared Polarizer market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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 Infrared Polarizer.

Chapter 14 and 15, to describe Infrared Polarizer sales channel, distributors, customers, research findings and conclusion.

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