

Global 2D Pupil Expansion Geometric Optical Waveguide Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global 2D Pupil Expansion Geometric Optical Waveguide market size was valued at US\$ 43.8 million in 2024 and is forecast to a readjusted size of USD 372 million by 2031 with a CAGR of 37.0% during review period.

2D Pupil Expansion Geometric Optical Waveguide refers to an optical device that is composed of multiple optical waveguide units in a two-dimensional array to achieve pupil expansion of optical signals. 2D Pupil Expansion Geometric Optical Waveguide has the advantages of high energy utilization, excellent display effect, and strong environmental adaptability. It has potential application value in augmented reality (AR) glasses and virtual reality (VR) head-mounted display devices.

This report is a detailed and comprehensive analysis for global 2D Pupil Expansion Geometric Optical Waveguide 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 2D Pupil Expansion Geometric Optical Waveguide market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global 2D Pupil Expansion Geometric Optical Waveguide market size and forecasts by

region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global 2D Pupil Expansion Geometric Optical Waveguide market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global 2D Pupil Expansion Geometric Optical Waveguide market shares of main players, shipments in revenue (\$ Million), sales quantity (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 2D Pupil Expansion Geometric Optical Waveguide

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 2D Pupil Expansion Geometric Optical Waveguide 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 Lumus, Optinvent, Shanghai Lipai Optical Crystal Technology, Lohn Optics, LINGXI, Gudong Technology, OPTIX, Beijing Nai Dejia Display Technology, etc.

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

Market Segmentation

2D Pupil Expansion Geometric Optical Waveguide 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

Resin

Glass

Market segment by Application

Consumer Electronics

Industrial Manufacturing

Advanced Medical

Others

Major players covered

Lumus

Optinvent

Shanghai Lipai Optical Crystal Technology

Lohn Optics

LINGXI

Gudong Technology

OPTIX

Beijing Nai Dejia Display Technology

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:

Global 2D Pupil Expansion Geometric Optical Waveguide Market 2025 by Manufacturers, Regions, Type and Applicat...

Chapter 1, to describe 2D Pupil Expansion Geometric Optical Waveguide product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of 2D Pupil Expansion Geometric Optical Waveguide, with price, sales quantity, revenue, and global market share of 2D Pupil Expansion Geometric Optical Waveguide from 2020 to 2025.

Chapter 3, the 2D Pupil Expansion Geometric Optical Waveguide competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the 2D Pupil Expansion Geometric Optical Waveguide 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 2D Pupil Expansion Geometric Optical Waveguide 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 2D Pupil Expansion Geometric Optical Waveguide.

Chapter 14 and 15, to describe 2D Pupil Expansion Geometric Optical Waveguide sales channel, distributors, customers, research findings and conclusion.

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