

# Global IR Windows Market Size, Manufacturers, Opportunities and Forecast to 2030

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## Abstracts

An infrared window (also referred to as a viewport, viewing pane, sightglass, port or grill) is a generic term used to describe an inspection point that is designed to allow infrared radiation to transmit to the outside environment. Simply put, an infrared (IR) window is a data collection point for a thermal camera. All IR windows must fulfill the strength, rigidity and environmental requirements of the type of equipment into which it is installed. It must also be compatible with the infrared equipment being used. Some IR windows are simply a housing with an open center, and a cover that secures the opening. Typically, the IR window housing will contain a grill or an optic. The design, size, and material used are driven by considerations such as the required field-of-view, camera lens compatibility, intended environment, sealing requirements, and safety considerations.

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According to APO Research, The global IR Windows market was estimated at US\$ million in 2023 and is projected to reach a revised size of US\$ million by 2030, witnessing a CAGR of xx% during the forecast period 2024-2030.

Global IR Windows key players include Fluke Corporation, FLIR Systems, IRISS, Grace Engineered Products, CorDEX Instruments, etc. Global top five manufacturers hold a share over 40%.

North America is the largest market, with a share about 35%, followed by China, and Europe, both have a share nearly 35 percent.

In terms of product, Crystal Material is the largest segment, with a share over 70%. And in terms of application, the largest application is Industrial Use, followed by Laboratory Use, etc.

## Report Scope

This report aims to provide a comprehensive presentation of the global market for IR Windows, with both quantitative and qualitative analysis, to help readers develop business/growth strategies, assess the market competitive situation, analyze their position in the current marketplace, and make informed business decisions regarding IR Windows.

The IR Windows market size, estimations, and forecasts are provided in terms of sales volume (K Units) and revenue (\$ millions), considering 2023 as the base year, with history and forecast data for the period from 2019 to 2030. This report segments the global IR Windows market comprehensively. Regional market sizes, concerning products by Type, by Application, and by players, are also provided. For a more in-depth understanding of the market, the report provides profiles of the competitive landscape, key competitors, and their respective market ranks. The report also discusses technological trends and new product developments.

## Key Companies & Market Share Insights

In this section, the readers will gain an understanding of the key players competing. This report has studied the key growth strategies, such as innovative trends and developments, intensification of product portfolio, mergers and acquisitions, collaborations, new product innovation, and geographical expansion, undertaken by these participants to maintain their presence. Apart from business strategies, the study includes current developments and key financials. The readers will also get access to the data related to global revenue, price, and sales by manufacturers for the period 2019-2024. This all-inclusive report will certainly serve the clients to stay updated and make effective decisions in their businesses. Some of the prominent players reviewed in the research report include:

Fluke Corporation

FLIR Systems

IRISS

Grace Engineered Products

CorDEX Instruments

Square D (Schneider Electric)

Exiscan

#### IR Windows segment by Type

Crystal Material

Polymer Material

#### IR Windows segment by Application

Industrial Use

Laboratory Use

Others

#### IR Windows Segment by Region

North America

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

India

Australia

China Taiwan

Indonesia

Thailand

Malaysia

Latin America

Mexico

Brazil

Argentina

Middle East & Africa

Turkey

Saudi Arabia

UAE

## Key Drivers & Barriers

High-impact rendering factors and drivers have been studied in this report to aid the readers to understand the general development. Moreover, the report includes restraints and challenges that may act as stumbling blocks on the way of the players. This will assist the users to be attentive and make informed decisions related to business. Specialists have also laid their focus on the upcoming business prospects.

## Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global IR Windows market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of IR Windows and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.
4. This report stays updated with novel technology integration, features, and the latest developments in the market
5. This report helps stakeholders to gain insights into which regions to target globally

6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of IR Windows.

7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

## Chapter Outline

Chapter 1: Introduces the study scope of this report, executive summary of market segments by type, market size segments for North America, Europe, Asia Pacific, Latin America, Middle East & Africa.

Chapter 2: Introduces the market dynamics, latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 3: Detailed analysis of IR Windows manufacturers competitive landscape, price, sales, revenue, market share and ranking, latest development plan, merger, and acquisition information, etc.

Chapter 4: Sales, revenue of IR Windows in regional level. It provides a quantitative analysis of the market size and development potential of each region and introduces the future development prospects, and market space in the world.

Chapter 5: Introduces market segments by application, market size segment for North America, Europe, Asia Pacific, Latin America, Middle East & Africa.

Chapter 6: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product sales, revenue, price, gross margin, product introduction, recent development, etc.

Chapter 7, 8, 9, 10 and 11: North America, Europe, Asia Pacific, Latin America, Middle East & Africa, sales and revenue by country.

Chapter 12: Analysis of industrial chain, key raw materials, manufacturing cost, and market dynamics.

Chapter 13: Concluding Insights of the report.

## Contents

### 1 MARKET OVERVIEW

- 1.1 Product Definition
- 1.2 Global Market Growth Prospects
  - 1.2.1 Global IR Windows Market Size Estimates and Forecasts (2019-2030)
  - 1.2.2 Global IR Windows Sales Estimates and Forecasts (2019-2030)
- 1.3 IR Windows Market by Type
  - 1.3.1 Crystal Material
  - 1.3.2 Polymer Material
- 1.4 Global IR Windows Market Size by Type
  - 1.4.1 Global IR Windows Market Size Overview by Type (2019-2030)
  - 1.4.2 Global IR Windows Historic Market Size Review by Type (2019-2024)
  - 1.4.3 Global IR Windows Forecasted Market Size by Type (2025-2030)
- 1.5 Key Regions Market Size by Type
  - 1.5.1 North America IR Windows Sales Breakdown by Type (2019-2024)
  - 1.5.2 Europe IR Windows Sales Breakdown by Type (2019-2024)
  - 1.5.3 Asia-Pacific IR Windows Sales Breakdown by Type (2019-2024)
  - 1.5.4 Latin America IR Windows Sales Breakdown by Type (2019-2024)
  - 1.5.5 Middle East and Africa IR Windows Sales Breakdown by Type (2019-2024)

### 2 GLOBAL MARKET DYNAMICS

- 2.1 IR Windows Industry Trends
- 2.2 IR Windows Industry Drivers
- 2.3 IR Windows Industry Opportunities and Challenges
- 2.4 IR Windows Industry Restraints

### 3 MARKET COMPETITIVE LANDSCAPE BY COMPANY

- 3.1 Global Top Players by IR Windows Revenue (2019-2024)
- 3.2 Global Top Players by IR Windows Sales (2019-2024)
- 3.3 Global Top Players by IR Windows Price (2019-2024)
- 3.4 Global IR Windows Industry Company Ranking, 2022 VS 2023 VS 2024
- 3.5 Global IR Windows Key Company Manufacturing Sites & Headquarters
- 3.6 Global IR Windows Company, Product Type & Application
- 3.7 Global IR Windows Company Commercialization Time
- 3.8 Market Competitive Analysis

- 3.8.1 Global IR Windows Market CR5 and HHI
- 3.8.2 Global Top 5 and 10 IR Windows Players Market Share by Revenue in 2023
- 3.8.3 2023 IR Windows Tier 1, Tier 2, and Tier

## **4 IR WINDOWS REGIONAL STATUS AND OUTLOOK**

- 4.1 Global IR Windows Market Size and CAGR by Region: 2019 VS 2023 VS 2030
- 4.2 Global IR Windows Historic Market Size by Region
  - 4.2.1 Global IR Windows Sales in Volume by Region (2019-2024)
  - 4.2.2 Global IR Windows Sales in Value by Region (2019-2024)
  - 4.2.3 Global IR Windows Sales (Volume & Value), Price and Gross Margin (2019-2024)
- 4.3 Global IR Windows Forecasted Market Size by Region
  - 4.3.1 Global IR Windows Sales in Volume by Region (2025-2030)
  - 4.3.2 Global IR Windows Sales in Value by Region (2025-2030)
  - 4.3.3 Global IR Windows Sales (Volume & Value), Price and Gross Margin (2025-2030)

## **5 IR WINDOWS BY APPLICATION**

- 5.1 IR Windows Market by Application
  - 5.1.1 Industrial Use
  - 5.1.2 Laboratory Use
  - 5.1.3 Others
- 5.2 Global IR Windows Market Size by Application
  - 5.2.1 Global IR Windows Market Size Overview by Application (2019-2030)
  - 5.2.2 Global IR Windows Historic Market Size Review by Application (2019-2024)
  - 5.2.3 Global IR Windows Forecasted Market Size by Application (2025-2030)
- 5.3 Key Regions Market Size by Application
  - 5.3.1 North America IR Windows Sales Breakdown by Application (2019-2024)
  - 5.3.2 Europe IR Windows Sales Breakdown by Application (2019-2024)
  - 5.3.3 Asia-Pacific IR Windows Sales Breakdown by Application (2019-2024)
  - 5.3.4 Latin America IR Windows Sales Breakdown by Application (2019-2024)
  - 5.3.5 Middle East and Africa IR Windows Sales Breakdown by Application (2019-2024)

## **6 COMPANY PROFILES**

- 6.1 Fluke Corporation
  - 6.1.1 Fluke Corporation Company Information



- 6.1.2 Fluke Corporation Business Overview
- 6.1.3 Fluke Corporation IR Windows Sales, Revenue and Gross Margin (2019-2024)
- 6.1.4 Fluke Corporation IR Windows Product Portfolio
- 6.1.5 Fluke Corporation Recent Developments
- 6.2 FLIR Systems
  - 6.2.1 FLIR Systems Company Information
  - 6.2.2 FLIR Systems Business Overview
  - 6.2.3 FLIR Systems IR Windows Sales, Revenue and Gross Margin (2019-2024)
  - 6.2.4 FLIR Systems IR Windows Product Portfolio
  - 6.2.5 FLIR Systems Recent Developments
- 6.3 IRISS
  - 6.3.1 IRISS Company Information
  - 6.3.2 IRISS Business Overview
  - 6.3.3 IRISS IR Windows Sales, Revenue and Gross Margin (2019-2024)
  - 6.3.4 IRISS IR Windows Product Portfolio
  - 6.3.5 IRISS Recent Developments
- 6.4 Grace Engineered Products
  - 6.4.1 Grace Engineered Products Company Information
  - 6.4.2 Grace Engineered Products Business Overview
  - 6.4.3 Grace Engineered Products IR Windows Sales, Revenue and Gross Margin (2019-2024)
  - 6.4.4 Grace Engineered Products IR Windows Product Portfolio
  - 6.4.5 Grace Engineered Products Recent Developments
- 6.5 CorDEX Instruments
  - 6.5.1 CorDEX Instruments Company Information
  - 6.5.2 CorDEX Instruments Business Overview
  - 6.5.3 CorDEX Instruments IR Windows Sales, Revenue and Gross Margin (2019-2024)
  - 6.5.4 CorDEX Instruments IR Windows Product Portfolio
  - 6.5.5 CorDEX Instruments Recent Developments
- 6.6 Square D (Schneider Electric)
  - 6.6.1 Square D (Schneider Electric) Company Information
  - 6.6.2 Square D (Schneider Electric) Business Overview
  - 6.6.3 Square D (Schneider Electric) IR Windows Sales, Revenue and Gross Margin (2019-2024)
  - 6.6.4 Square D (Schneider Electric) IR Windows Product Portfolio
  - 6.6.5 Square D (Schneider Electric) Recent Developments
- 6.7 Exiscan
  - 6.7.1 Exiscan Company Information

- 6.7.2 Exiscan Business Overview
- 6.7.3 Exiscan IR Windows Sales, Revenue and Gross Margin (2019-2024)
- 6.7.4 Exiscan IR Windows Product Portfolio
- 6.7.5 Exiscan Recent Developments

## **7 NORTH AMERICA BY COUNTRY**

- 7.1 North America IR Windows Sales by Country
  - 7.1.1 North America IR Windows Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030
  - 7.1.2 North America IR Windows Sales by Country (2019-2024)
  - 7.1.3 North America IR Windows Sales Forecast by Country (2025-2030)
- 7.2 North America IR Windows Market Size by Country
  - 7.2.1 North America IR Windows Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030
  - 7.2.2 North America IR Windows Market Size by Country (2019-2024)
  - 7.2.3 North America IR Windows Market Size Forecast by Country (2025-2030)

## **8 EUROPE BY COUNTRY**

- 8.1 Europe IR Windows Sales by Country
  - 8.1.1 Europe IR Windows Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030
  - 8.1.2 Europe IR Windows Sales by Country (2019-2024)
  - 8.1.3 Europe IR Windows Sales Forecast by Country (2025-2030)
- 8.2 Europe IR Windows Market Size by Country
  - 8.2.1 Europe IR Windows Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030
  - 8.2.2 Europe IR Windows Market Size by Country (2019-2024)
  - 8.2.3 Europe IR Windows Market Size Forecast by Country (2025-2030)

## **9 ASIA-PACIFIC BY COUNTRY**

- 9.1 Asia-Pacific IR Windows Sales by Country
  - 9.1.1 Asia-Pacific IR Windows Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030
  - 9.1.2 Asia-Pacific IR Windows Sales by Country (2019-2024)
  - 9.1.3 Asia-Pacific IR Windows Sales Forecast by Country (2025-2030)
- 9.2 Asia-Pacific IR Windows Market Size by Country

9.2.1 Asia-Pacific IR Windows Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

9.2.2 Asia-Pacific IR Windows Market Size by Country (2019-2024)

9.2.3 Asia-Pacific IR Windows Market Size Forecast by Country (2025-2030)

## **10 LATIN AMERICA BY COUNTRY**

10.1 Latin America IR Windows Sales by Country

10.1.1 Latin America IR Windows Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

10.1.2 Latin America IR Windows Sales by Country (2019-2024)

10.1.3 Latin America IR Windows Sales Forecast by Country (2025-2030)

10.2 Latin America IR Windows Market Size by Country

10.2.1 Latin America IR Windows Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

10.2.2 Latin America IR Windows Market Size by Country (2019-2024)

10.2.3 Latin America IR Windows Market Size Forecast by Country (2025-2030)

## **11 MIDDLE EAST AND AFRICA BY COUNTRY**

11.1 Middle East and Africa IR Windows Sales by Country

11.1.1 Middle East and Africa IR Windows Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

11.1.2 Middle East and Africa IR Windows Sales by Country (2019-2024)

11.1.3 Middle East and Africa IR Windows Sales Forecast by Country (2025-2030)

11.2 Middle East and Africa IR Windows Market Size by Country

11.2.1 Middle East and Africa IR Windows Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

11.2.2 Middle East and Africa IR Windows Market Size by Country (2019-2024)

11.2.3 Middle East and Africa IR Windows Market Size Forecast by Country (2025-2030)

## **12 VALUE CHAIN AND SALES CHANNELS ANALYSIS**

12.1 IR Windows Value Chain Analysis

12.1.1 IR Windows Key Raw Materials

12.1.2 Key Raw Materials Price

12.1.3 Raw Materials Key Suppliers

12.1.4 Manufacturing Cost Structure

- 12.1.5 IR Windows Production Mode & Process
- 12.2 IR Windows Sales Channels Analysis
  - 12.2.1 Direct Comparison with Distribution Share
  - 12.2.2 IR Windows Distributors
  - 12.2.3 IR Windows Customers

## **13 CONCLUDING INSIGHTS**

## **14 APPENDIX**

- 14.1 Reasons for Doing This Study
- 14.2 Research Methodology
- 14.3 Research Process
- 14.4 Authors List of This Report
- 14.5 Data Source
  - 14.5.1 Secondary Sources
  - 14.5.2 Primary Sources
- 14.6 Disclaimer

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