

# AR Waveguide Industry Research Report 2023

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## Abstracts

### Highlights

The global AR Waveguide market is projected to reach US\$ million by 2029 from an estimated US\$ million in 2022, at a CAGR of % during 2023 and 2029.

North American market for AR Waveguide is estimated to increase from \$ million in 2022 to reach \$ million by 2029, at a CAGR of % during the forecast period of 2023 through 2029.

Asia-Pacific market for AR Waveguide is estimated to increase from \$ million in 2022 to reach \$ million by 2029, at a CAGR of % during the forecast period of 2023 through 2029.

The major global companies of AR Waveguide include Microsoft (Hololens), LX-AR, Lumus, Optinvent, Optics Division, North Ocean Photonics, Vuzix, Crystal Optech and Lochn Optics, etc. In 2022, the world's top three vendors accounted for approximately % of the revenue.

The global market for AR Waveguide in Games and Entertainment is estimated to increase from \$ million in 2022 to \$ million by 2029, at a CAGR of % during the forecast period of 2023 through 2029.

Considering the economic change due to COVID-19 and Russia-Ukraine War Influence, FOV Below 30°, which accounted for % of the global market of AR Waveguide in 2022, is expected to reach million US\$ by 2029, growing at a revised CAGR of % from 2023 to 2029.

### Report Scope

This report aims to provide a comprehensive presentation of the global market for AR Waveguide, 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 AR Waveguide.

The AR Waveguide market size, estimations, and forecasts are provided in terms of output/shipments (K Units) and revenue (\$ millions), considering 2022 as the base year, with history and forecast data for the period from 2018 to 2029. This report segments the global AR Waveguide market comprehensively. Regional market sizes, concerning products by types, by application, and by players, are also provided. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

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.

The report will help the AR Waveguide manufacturers, new entrants, and industry chain related companies in this market with information on the revenues, production, and average price for the overall market and the sub-segments across the different segments, by company, product type, application, and regions.

### 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 2018-2023. 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:

Microsoft (Hololens)

LX-AR

Lumus

Optinvent

Optics Division

North Ocean Photonics

Vuzix

Crystal Optech

Lochn Optics

HoloOptics (Luminit)

## Product Type Insights

Global markets are presented by AR Waveguide type, along with growth forecasts through 2029. Estimates on production and value are based on the price in the supply chain at which the AR Waveguide are procured by the manufacturers.

This report has studied every segment and provided the market size using historical data. They have also talked about the growth opportunities that the segment may pose in the future. This study bestows production and revenue data by type, and during the historical period (2018-2023) and forecast period (2024-2029).

## AR Waveguide segment by Type

FOV Below 30°

FOV 40°

Others

## Application Insights

This report has provided the market size (production and revenue data) by application, during the historical period (2018-2023) and forecast period (2024-2029).

This report also outlines the market trends of each segment and consumer behaviors impacting the AR Waveguide market and what implications these may have on the industry's future. This report can help to understand the relevant market and consumer trends that are driving the AR Waveguide market.

### AR Waveguide segment by Application

Games and Entertainment

Industrial

Military

Others

### Regional Outlook

This section of the report provides key insights regarding various regions and the key players operating in each region. Economic, social, environmental, technological, and political factors have been taken into consideration while assessing the growth of the particular region/country. The readers will also get their hands on the revenue and sales data of each region and country for the period 2018-2029.

The market has been segmented into various major geographies, including North America, Europe, Asia-Pacific, South America. Detailed analysis of major countries such as the USA, Germany, the U.K., Italy, France, China, Japan, South Korea, Southeast Asia, and India will be covered within the regional segment. For market estimates, data are going to be provided for 2022 because of the base year, with estimates for 2023 and forecast value for 2029.

North America

United States

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

### 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.

### COVID-19 and Russia-Ukraine War Influence Analysis

The readers in the section will understand how the AR Waveguide market scenario changed across the globe during the pandemic, post-pandemic and Russia-Ukraine War. The study is done keeping in view the changes in aspects such as demand, consumption, transportation, consumer behavior, supply chain management, export and import, and production. The industry experts have also highlighted the key factors that will help create opportunities for players and stabilize the overall industry in the years to come.

### Reasons to Buy This Report

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 AR Waveguide 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.

This report will help stakeholders to understand the global industry status and trends of AR Waveguide and provides them with information on key market drivers, restraints, challenges, and opportunities.

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.

This report stays updated with novel technology integration, features, and the latest developments in the market

This report helps stakeholders to understand the COVID-19 and Russia-Ukraine War Influence on the AR Waveguide industry.

This report helps stakeholders to gain insights into which regions to target globally

This report helps stakeholders to gain insights into the end-user perception concerning the adoption of AR Waveguide.

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

## Core Chapters

Chapter 1: Research objectives, research methods, data sources, data cross-validation;

Chapter 2: Introduces the report scope of the report, executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the market and its likely evolution in the short to mid-term, and long term.

Chapter 3: Detailed analysis of AR Waveguide manufacturers competitive landscape, price, production and value market share, latest development plan, merger, and acquisition information, etc.

Chapter 4: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product production/output, value, price, gross margin, product introduction, recent development, etc.

Chapter 5: Production/output, value of AR Waveguide by region/country. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

Chapter 6: Consumption of AR Waveguide in regional level and country level. It

provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and production of each country in the world.

Chapter 7: Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 8: Provides the analysis of various market segments by application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 9: Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10: 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 11: The main points and conclusions of the report.



## Contents

### 1 PREFACE

- 1.1 Scope of Report
- 1.2 Reasons for Doing This Study
- 1.3 Research Methodology
- 1.4 Research Process
- 1.5 Data Source
  - 1.5.1 Secondary Sources
  - 1.5.2 Primary Sources

### 2 MARKET OVERVIEW

- 2.1 Product Definition
- 2.2 AR Waveguide by Type
  - 2.2.1 Market Value Comparison by Type (2018 VS 2022 VS 2029) & (US\$ Million)
    - 1.2.2 FOV Below 30°
    - 1.2.3 FOV 40°
    - 1.2.4 Others
- 2.3 AR Waveguide by Application
  - 2.3.1 Market Value Comparison by Application (2018 VS 2022 VS 2029) & (US\$ Million)
  - 2.3.2 Games and Entertainment
  - 2.3.3 Industrial
  - 2.3.4 Military
  - 2.3.5 Others
- 2.4 Global Market Growth Prospects
  - 2.4.1 Global AR Waveguide Production Value Estimates and Forecasts (2018-2029)
  - 2.4.2 Global AR Waveguide Production Capacity Estimates and Forecasts (2018-2029)
  - 2.4.3 Global AR Waveguide Production Estimates and Forecasts (2018-2029)
  - 2.4.4 Global AR Waveguide Market Average Price (2018-2029)

### 3 MARKET COMPETITIVE LANDSCAPE BY MANUFACTURERS

- 3.1 Global AR Waveguide Production by Manufacturers (2018-2023)
- 3.2 Global AR Waveguide Production Value by Manufacturers (2018-2023)
- 3.3 Global AR Waveguide Average Price by Manufacturers (2018-2023)

- 3.4 Global AR Waveguide Industry Manufacturers Ranking, 2021 VS 2022 VS 2023
- 3.5 Global AR Waveguide Key Manufacturers, Manufacturing Sites & Headquarters
- 3.6 Global AR Waveguide Manufacturers, Product Type & Application
- 3.7 Global AR Waveguide Manufacturers, Date of Enter into This Industry
- 3.8 Global AR Waveguide Market CR5 and HHI
- 3.9 Global Manufacturers Mergers & Acquisition

## **4 MANUFACTURERS PROFILED**

### 4.1 Microsoft (Hololens)

- 4.1.1 Microsoft (Hololens) AR Waveguide Company Information
- 4.1.2 Microsoft (Hololens) AR Waveguide Business Overview
- 4.1.3 Microsoft (Hololens) AR Waveguide Production, Value and Gross Margin (2018-2023)
- 4.1.4 Microsoft (Hololens) Product Portfolio
- 4.1.5 Microsoft (Hololens) Recent Developments

### 4.2 LX-AR

- 4.2.1 LX-AR AR Waveguide Company Information
- 4.2.2 LX-AR AR Waveguide Business Overview
- 4.2.3 LX-AR AR Waveguide Production, Value and Gross Margin (2018-2023)
- 4.2.4 LX-AR Product Portfolio
- 4.2.5 LX-AR Recent Developments

### 4.3 Lumus

- 4.3.1 Lumus AR Waveguide Company Information
- 4.3.2 Lumus AR Waveguide Business Overview
- 4.3.3 Lumus AR Waveguide Production, Value and Gross Margin (2018-2023)
- 4.3.4 Lumus Product Portfolio
- 4.3.5 Lumus Recent Developments

### 4.4 Optinvent

- 4.4.1 Optinvent AR Waveguide Company Information
- 4.4.2 Optinvent AR Waveguide Business Overview
- 4.4.3 Optinvent AR Waveguide Production, Value and Gross Margin (2018-2023)
- 4.4.4 Optinvent Product Portfolio
- 4.4.5 Optinvent Recent Developments

### 4.5 Optics Division

- 4.5.1 Optics Division AR Waveguide Company Information
- 4.5.2 Optics Division AR Waveguide Business Overview
- 4.5.3 Optics Division AR Waveguide Production, Value and Gross Margin (2018-2023)
- 4.5.4 Optics Division Product Portfolio

- 4.5.5 Optics Division Recent Developments
- 4.6 North Ocean Photonics
  - 4.6.1 North Ocean Photonics AR Waveguide Company Information
  - 4.6.2 North Ocean Photonics AR Waveguide Business Overview
  - 4.6.3 North Ocean Photonics AR Waveguide Production, Value and Gross Margin (2018-2023)
  - 4.6.4 North Ocean Photonics Product Portfolio
  - 4.6.5 North Ocean Photonics Recent Developments
- 4.7 Vuzix
  - 4.7.1 Vuzix AR Waveguide Company Information
  - 4.7.2 Vuzix AR Waveguide Business Overview
  - 4.7.3 Vuzix AR Waveguide Production, Value and Gross Margin (2018-2023)
  - 4.7.4 Vuzix Product Portfolio
  - 4.7.5 Vuzix Recent Developments
- 4.8 Crystal Optech
  - 4.8.1 Crystal Optech AR Waveguide Company Information
  - 4.8.2 Crystal Optech AR Waveguide Business Overview
  - 4.8.3 Crystal Optech AR Waveguide Production, Value and Gross Margin (2018-2023)
  - 4.8.4 Crystal Optech Product Portfolio
  - 4.8.5 Crystal Optech Recent Developments
- 4.9 Lochn Optics
  - 4.9.1 Lochn Optics AR Waveguide Company Information
  - 4.9.2 Lochn Optics AR Waveguide Business Overview
  - 4.9.3 Lochn Optics AR Waveguide Production, Value and Gross Margin (2018-2023)
  - 4.9.4 Lochn Optics Product Portfolio
  - 4.9.5 Lochn Optics Recent Developments
- 4.10 Holoptics (Luminit)
  - 4.10.1 Holoptics (Luminit) AR Waveguide Company Information
  - 4.10.2 Holoptics (Luminit) AR Waveguide Business Overview
  - 4.10.3 Holoptics (Luminit) AR Waveguide Production, Value and Gross Margin (2018-2023)
  - 4.10.4 Holoptics (Luminit) Product Portfolio
  - 4.10.5 Holoptics (Luminit) Recent Developments

## **5 GLOBAL AR WAVEGUIDE PRODUCTION BY REGION**

- 5.1 Global AR Waveguide Production Estimates and Forecasts by Region: 2018 VS 2022 VS 2029
- 5.2 Global AR Waveguide Production by Region: 2018-2029

- 5.2.1 Global AR Waveguide Production by Region: 2018-2023
- 5.2.2 Global AR Waveguide Production Forecast by Region (2024-2029)
- 5.3 Global AR Waveguide Production Value Estimates and Forecasts by Region: 2018 VS 2022 VS 2029
- 5.4 Global AR Waveguide Production Value by Region: 2018-2029
  - 5.4.1 Global AR Waveguide Production Value by Region: 2018-2023
  - 5.4.2 Global AR Waveguide Production Value Forecast by Region (2024-2029)
- 5.5 Global AR Waveguide Market Price Analysis by Region (2018-2023)
- 5.6 Global AR Waveguide Production and Value, YOY Growth
  - 5.6.1 North America AR Waveguide Production Value Estimates and Forecasts (2018-2029)
  - 5.6.2 Europe AR Waveguide Production Value Estimates and Forecasts (2018-2029)
  - 5.6.3 China AR Waveguide Production Value Estimates and Forecasts (2018-2029)
  - 5.6.4 Japan AR Waveguide Production Value Estimates and Forecasts (2018-2029)
  - 5.6.5 South Korea AR Waveguide Production Value Estimates and Forecasts (2018-2029)

## **6 GLOBAL AR WAVEGUIDE CONSUMPTION BY REGION**

- 6.1 Global AR Waveguide Consumption Estimates and Forecasts by Region: 2018 VS 2022 VS 2029
- 6.2 Global AR Waveguide Consumption by Region (2018-2029)
  - 6.2.1 Global AR Waveguide Consumption by Region: 2018-2029
  - 6.2.2 Global AR Waveguide Forecasted Consumption by Region (2024-2029)
- 6.3 North America
  - 6.3.1 North America AR Waveguide Consumption Growth Rate by Country: 2018 VS 2022 VS 2029
  - 6.3.2 North America AR Waveguide Consumption by Country (2018-2029)
  - 6.3.3 United States
  - 6.3.4 Canada
- 6.4 Europe
  - 6.4.1 Europe AR Waveguide Consumption Growth Rate by Country: 2018 VS 2022 VS 2029
  - 6.4.2 Europe AR Waveguide Consumption by Country (2018-2029)
  - 6.4.3 Germany
  - 6.4.4 France
  - 6.4.5 U.K.
  - 6.4.6 Italy
  - 6.4.7 Russia

## 6.5 Asia Pacific

6.5.1 Asia Pacific AR Waveguide Consumption Growth Rate by Country: 2018 VS 2022 VS 2029

6.5.2 Asia Pacific AR Waveguide Consumption by Country (2018-2029)

6.5.3 China

6.5.4 Japan

6.5.5 South Korea

6.5.6 China Taiwan

6.5.7 Southeast Asia

6.5.8 India

6.5.9 Australia

## 6.6 Latin America, Middle East & Africa

6.6.1 Latin America, Middle East & Africa AR Waveguide Consumption Growth Rate by Country: 2018 VS 2022 VS 2029

6.6.2 Latin America, Middle East & Africa AR Waveguide Consumption by Country (2018-2029)

6.6.3 Mexico

6.6.4 Brazil

6.6.5 Turkey

6.6.5 GCC Countries

## 7 SEGMENT BY TYPE

7.1 Global AR Waveguide Production by Type (2018-2029)

7.1.1 Global AR Waveguide Production by Type (2018-2029) & (K Units)

7.1.2 Global AR Waveguide Production Market Share by Type (2018-2029)

7.2 Global AR Waveguide Production Value by Type (2018-2029)

7.2.1 Global AR Waveguide Production Value by Type (2018-2029) & (US\$ Million)

7.2.2 Global AR Waveguide Production Value Market Share by Type (2018-2029)

7.3 Global AR Waveguide Price by Type (2018-2029)

## 8 SEGMENT BY APPLICATION

8.1 Global AR Waveguide Production by Application (2018-2029)

8.1.1 Global AR Waveguide Production by Application (2018-2029) & (K Units)

8.1.2 Global AR Waveguide Production by Application (2018-2029) & (K Units)

8.2 Global AR Waveguide Production Value by Application (2018-2029)

8.2.1 Global AR Waveguide Production Value by Application (2018-2029) & (US\$ Million)

8.2.2 Global AR Waveguide Production Value Market Share by Application (2018-2029)

8.3 Global AR Waveguide Price by Application (2018-2029)

## **9 VALUE CHAIN AND SALES CHANNELS ANALYSIS OF THE MARKET**

9.1 AR Waveguide Value Chain Analysis

9.1.1 AR Waveguide Key Raw Materials

9.1.2 Raw Materials Key Suppliers

9.1.3 AR Waveguide Production Mode & Process

9.2 AR Waveguide Sales Channels Analysis

9.2.1 Direct Comparison with Distribution Share

9.2.2 AR Waveguide Distributors

9.2.3 AR Waveguide Customers

## **10 GLOBAL AR WAVEGUIDE ANALYZING MARKET DYNAMICS**

10.1 AR Waveguide Industry Trends

10.2 AR Waveguide Industry Drivers

10.3 AR Waveguide Industry Opportunities and Challenges

10.4 AR Waveguide Industry Restraints

## **11 REPORT CONCLUSION**

## **12 DISCLAIMER**

## List Of Tables

### LIST OF TABLES

Table 1. Secondary Sources

Table 2. Primary Sources

Table 3. Market Value Comparison by Type (2018 VS 2022 VS 2029) & (US\$ Million)

Table 4. Market Value Comparison by Application (2018 VS 2022 VS 2029) & (US\$ Million)

Table 5. Global AR Waveguide Production by Manufacturers (K Units) & (2018-2023)

Table 6. Global AR Waveguide Production Market Share by Manufacturers

Table 7. Global AR Waveguide Production Value by Manufacturers (US\$ Million) & (2018-2023)

Table 8. Global AR Waveguide Production Value Market Share by Manufacturers (2018-2023)

Table 9. Global AR Waveguide Average Price (US\$/Unit) of Key Manufacturers (2018-2023)

Table 10. Global AR Waveguide Industry Manufacturers Ranking, 2021 VS 2022 VS 2023

Table 11. Global AR Waveguide Manufacturers, Product Type & Application

Table 12. Global Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 13. Global AR Waveguide by Manufacturers Type (Tier 1, Tier 2, and Tier 3) & (based on the Production Value of 2022)

Table 14. Manufacturers Mergers & Acquisitions, Expansion Plans)

Table 15. Microsoft (Hololens) AR Waveguide Company Information

Table 16. Microsoft (Hololens) Business Overview

Table 17. Microsoft (Hololens) AR Waveguide Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 18. Microsoft (Hololens) Product Portfolio

Table 19. Microsoft (Hololens) Recent Developments

Table 20. LX-AR AR Waveguide Company Information

Table 21. LX-AR Business Overview

Table 22. LX-AR AR Waveguide Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 23. LX-AR Product Portfolio

Table 24. LX-AR Recent Developments

Table 25. Lumus AR Waveguide Company Information

Table 26. Lumus Business Overview

Table 27. Lumus AR Waveguide Production (K Units), Value (US\$ Million), Price

(US\$/Unit) and Gross Margin (2018-2023)

Table 28. Lumus Product Portfolio

Table 29. Lumus Recent Developments

Table 30. Optinvent AR Waveguide Company Information

Table 31. Optinvent Business Overview

Table 32. Optinvent AR Waveguide Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 33. Optinvent Product Portfolio

Table 34. Optinvent Recent Developments

Table 35. Optics Division AR Waveguide Company Information

Table 36. Optics Division Business Overview

Table 37. Optics Division AR Waveguide Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 38. Optics Division Product Portfolio

Table 39. Optics Division Recent Developments

Table 40. North Ocean Photonics AR Waveguide Company Information

Table 41. North Ocean Photonics Business Overview

Table 42. North Ocean Photonics AR Waveguide Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 43. North Ocean Photonics Product Portfolio

Table 44. North Ocean Photonics Recent Developments

Table 45. Vuzix AR Waveguide Company Information

Table 46. Vuzix Business Overview

Table 47. Vuzix AR Waveguide Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 48. Vuzix Product Portfolio

Table 49. Vuzix Recent Developments

Table 50. Crystal Optech AR Waveguide Company Information

Table 51. Crystal Optech Business Overview

Table 52. Crystal Optech AR Waveguide Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 53. Crystal Optech Product Portfolio

Table 54. Crystal Optech Recent Developments

Table 55. Lochn Optics AR Waveguide Company Information

Table 56. Lochn Optics Business Overview

Table 57. Lochn Optics AR Waveguide Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 58. Lochn Optics Product Portfolio

Table 59. Lochn Optics Recent Developments



- Table 60. Holooptics (Luminit) AR Waveguide Company Information
- Table 61. Holooptics (Luminit) Business Overview
- Table 62. Holooptics (Luminit) AR Waveguide Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)
- Table 63. Holooptics (Luminit) Product Portfolio
- Table 64. Holooptics (Luminit) Recent Developments
- Table 65. Global AR Waveguide Production Comparison by Region: 2018 VS 2022 VS 2029 (K Units)
- Table 66. Global AR Waveguide Production by Region (2018-2023) & (K Units)
- Table 67. Global AR Waveguide Production Market Share by Region (2018-2023)
- Table 68. Global AR Waveguide Production Forecast by Region (2024-2029) & (K Units)
- Table 69. Global AR Waveguide Production Market Share Forecast by Region (2024-2029)
- Table 70. Global AR Waveguide Production Value Comparison by Region: 2018 VS 2022 VS 2029 (US\$ Million)
- Table 71. Global AR Waveguide Production Value by Region (2018-2023) & (US\$ Million)
- Table 72. Global AR Waveguide Production Value Market Share by Region (2018-2023)
- Table 73. Global AR Waveguide Production Value Forecast by Region (2024-2029) & (US\$ Million)
- Table 74. Global AR Waveguide Production Value Market Share Forecast by Region (2024-2029)
- Table 75. Global AR Waveguide Market Average Price (US\$/Unit) by Region (2018-2023)
- Table 76. Global AR Waveguide Consumption Comparison by Region: 2018 VS 2022 VS 2029 (K Units)
- Table 77. Global AR Waveguide Consumption by Region (2018-2023) & (K Units)
- Table 78. Global AR Waveguide Consumption Market Share by Region (2018-2023)
- Table 79. Global AR Waveguide Forecasted Consumption by Region (2024-2029) & (K Units)
- Table 80. Global AR Waveguide Forecasted Consumption Market Share by Region (2024-2029)
- Table 81. North America AR Waveguide Consumption Growth Rate by Country: 2018 VS 2022 VS 2029 (K Units)
- Table 82. North America AR Waveguide Consumption by Country (2018-2023) & (K Units)
- Table 83. North America AR Waveguide Consumption by Country (2024-2029) & (K Units)

Table 84. Europe AR Waveguide Consumption Growth Rate by Country: 2018 VS 2022 VS 2029 (K Units)

Table 85. Europe AR Waveguide Consumption by Country (2018-2023) & (K Units)

Table 86. Europe AR Waveguide Consumption by Country (2024-2029) & (K Units)

Table 87. Asia Pacific AR Waveguide Consumption Growth Rate by Country: 2018 VS 2022 VS 2029 (K Units)

Table 88. Asia Pacific AR Waveguide Consumption by Country (2018-2023) & (K Units)

Table 89. Asia Pacific AR Waveguide Consumption by Country (2024-2029) & (K Units)

Table 90. Latin America, Middle East & Africa AR Waveguide Consumption Growth Rate by Country: 2018 VS 2022 VS 2029 (K Units)

Table 91. Latin America, Middle East & Africa AR Waveguide Consumption by Country (2018-2023) & (K Units)

Table 92. Latin America, Middle East & Africa AR Waveguide Consumption by Country (2024-2029) & (K Units)

Table 93. Global AR Waveguide Production by Type (2018-2023) & (K Units)

Table 94. Global AR Waveguide Production by Type (2024-2029) & (K Units)

Table 95. Global AR Waveguide Production Market Share by Type (2018-2023)

Table 96. Global AR Waveguide Production Market Share by Type (2024-2029)

Table 97. Global AR Waveguide Production Value by Type (2018-2023) & (US\$ Million)

Table 98. Global AR Waveguide Production Value by Type (2024-2029) & (US\$ Million)

Table 99. Global AR Waveguide Production Value Market Share by Type (2018-2023)

Table 100. Global AR Waveguide Production Value Market Share by Type (2024-2029)

Table 101. Global AR Waveguide Price by Type (2018-2023) & (US\$/Unit)

Table 102. Global AR Waveguide Price by Type (2024-2029) & (US\$/Unit)

Table 103. Global AR Waveguide Production by Application (2018-2023) & (K Units)

Table 104. Global AR Waveguide Production by Application (2024-2029) & (K Units)

Table 105. Global AR Waveguide Production Market Share by Application (2018-2023)

Table 106. Global AR Waveguide Production Market Share by Application (2024-2029)

Table 107. Global AR Waveguide Production Value by Application (2018-2023) & (US\$ Million)

Table 108. Global AR Waveguide Production Value by Application (2024-2029) & (US\$ Million)

Table 109. Global AR Waveguide Production Value Market Share by Application (2018-2023)

Table 110. Global AR Waveguide Production Value Market Share by Application (2024-2029)

Table 111. Global AR Waveguide Price by Application (2018-2023) & (US\$/Unit)

Table 112. Global AR Waveguide Price by Application (2024-2029) & (US\$/Unit)

Table 113. Key Raw Materials

- Table 114. Raw Materials Key Suppliers
- Table 115. AR Waveguide Distributors List
- Table 116. AR Waveguide Customers List
- Table 117. AR Waveguide Industry Trends
- Table 118. AR Waveguide Industry Drivers
- Table 119. AR Waveguide Industry Restraints
- Table 120. Authors List of This Report

## List Of Figures

### LIST OF FIGURES

Figure 1. Research Methodology

Figure 2. Research Process

Figure 3. Key Executives Interviewed

Figure 4. AR Waveguide Product Picture

Figure 5. Market Value Comparison by Type (2018 VS 2022 VS 2029) & (US\$ Million)

Figure 6. FOV Below 30° Product Picture

Figure 7. FOV 40° Product Picture

Figure 8. Others Product Picture

Figure 9. Games and Entertainment Product Picture

Figure 10. Industrial Product Picture

Figure 11. Military Product Picture

Figure 12. Others Product Picture

Figure . Global AR Waveguide Production Value (US\$ Million), 2018 VS 2022 VS 2029

Figure 1. Global AR Waveguide Production Value (2018-2029) & (US\$ Million)

Figure 2. Global AR Waveguide Production Capacity (2018-2029) & (K Units)

Figure 3. Global AR Waveguide Production (2018-2029) & (K Units)

Figure 4. Global AR Waveguide Average Price (US\$/Unit) & (2018-2029)

Figure 5. Global AR Waveguide Key Manufacturers, Manufacturing Sites & Headquarters

Figure 6. Global AR Waveguide Manufacturers, Date of Enter into This Industry

Figure 7. Global Top 5 and 10 AR Waveguide Players Market Share by Production Value in 2022

Figure 8. Manufacturers Type (Tier 1, Tier 2, and Tier 3): 2018 VS 2022

Figure 9. Global AR Waveguide Production Comparison by Region: 2018 VS 2022 VS 2029 (K Units)

Figure 10. Global AR Waveguide Production Market Share by Region: 2018 VS 2022 VS 2029

Figure 11. Global AR Waveguide Production Value Comparison by Region: 2018 VS 2022 VS 2029 (US\$ Million)

Figure 12. Global AR Waveguide Production Value Market Share by Region: 2018 VS 2022 VS 2029

Figure 13. North America AR Waveguide Production Value (US\$ Million) Growth Rate (2018-2029)

Figure 14. Europe AR Waveguide Production Value (US\$ Million) Growth Rate (2018-2029)

Figure 15. China AR Waveguide Production Value (US\$ Million) Growth Rate (2018-2029)

Figure 16. Japan AR Waveguide Production Value (US\$ Million) Growth Rate (2018-2029)

Figure 17. South Korea AR Waveguide Production Value (US\$ Million) Growth Rate (2018-2029)

Figure 18. Global AR Waveguide Consumption Comparison by Region: 2018 VS 2022 VS 2029 (K Units)

Figure 19. Global AR Waveguide Consumption Market Share by Region: 2018 VS 2022 VS 2029

Figure 20. North America AR Waveguide Consumption and Growth Rate (2018-2029) & (K Units)

Figure 21. North America AR Waveguide Consumption Market Share by Country (2018-2029)

Figure 22. United States AR Waveguide Consumption and Growth Rate (2018-2029) & (K Units)

Figure 23. Canada AR Waveguide Consumption and Growth Rate (2018-2029) & (K Units)

Figure 24. Europe AR Waveguide Consumption and Growth Rate (2018-2029) & (K Units)

Figure 25. Europe AR Waveguide Consumption Market Share by Country (2018-2029)

Figure 26. Germany AR Waveguide Consumption and Growth Rate (2018-2029) & (K Units)

Figure 27. France AR Waveguide Consumption and Growth Rate (2018-2029) & (K Units)

Figure 28. U.K. AR Waveguide Consumption and Growth Rate (2018-2029) & (K Units)

Figure 29. Italy AR Waveguide Consumption and Growth Rate (2018-2029) & (K Units)

Figure 30. Netherlands AR Waveguide Consumption and Growth Rate (2018-2029) & (K Units)

Figure 31. Asia Pacific AR Waveguide Consumption and Growth Rate (2018-2029) & (K Units)

Figure 32. Asia Pacific AR Waveguide Consumption Market Share by Country (2018-2029)

Figure 33. China AR Waveguide Consumption and Growth Rate (2018-2029) & (K Units)

Figure 34. Japan AR Waveguide Consumption and Growth Rate (2018-2029) & (K Units)

Figure 35. South Korea AR Waveguide Consumption and Growth Rate (2018-2029) & (K Units)

Figure 36. China Taiwan AR Waveguide Consumption and Growth Rate (2018-2029) & (K Units)

Figure 37. Southeast Asia AR Waveguide Consumption and Growth Rate (2018-2029) & (K Units)

Figure 38. India AR Waveguide Consumption and Growth Rate (2018-2029) & (K Units)

Figure 39. Australia AR Waveguide Consumption and Growth Rate (2018-2029) & (K Units)

Figure 40. Latin America, Middle East & Africa AR Waveguide Consumption and Growth Rate (2018-2029) & (K Units)

Figure 41. Latin America, Middle East & Africa AR Waveguide Consumption Market Share by Country (2018-2029)

Figure 42. Mexico AR Waveguide Consumption and Growth Rate (2018-2029) & (K Units)

Figure 43. Brazil AR Waveguide Consumption and Growth Rate (2018-2029) & (K Units)

Figure 44. Turkey AR Waveguide Consumption and Growth Rate (2018-2029) & (K Units)

Figure 45. GCC Countries AR Waveguide Consumption and Growth Rate (2018-2029) & (K Units)

Figure 46. Global AR Waveguide Production Market Share by Type (2018-2029)

Figure 47. Global AR Waveguide Production Value Market Share by Type (2018-2029)

Figure 48. Global AR Waveguide Price (US\$/Unit) by Type (2018-2029)

Figure 49. Global AR Waveguide Production Market Share by Application (2018-2029)

Figure 50. Global AR Waveguide Production Value Market Share by Application (2018-2029)

Figure 51. Global AR Waveguide Price (US\$/Unit) by Application (2018-2029)

Figure 52. AR Waveguide Value Chain

Figure 53. AR Waveguide Production Mode & Process

Figure 54. Direct Comparison with Distribution Share

Figure 55. Distributors Profiles

Figure 56. AR Waveguide Industry Opportunities and Challenges

## Highlights

The global AR Waveguide market is projected to reach US\$ million by 2028 from an estimated US\$ million in 2022, at a CAGR of % during 2024 and 2029.

North American market for AR Waveguide is estimated to increase from \$ million in 2022 to reach \$ million by 2028, at a CAGR of % during the forecast period of 2023 through 2028.

Asia-Pacific market for AR Waveguide is estimated to increase from \$ million in 2022 to

reach \$ million by 2029, at a CAGR of % during the forecast period of 2023 through 2029.

The major global companies of AR Waveguide include Microsoft (Hololens), LX-AR, Lumus, Optinvent, Optics Division, North Ocean Photonics, Vuzix, Crystal Optech and Lochn Optics, etc. In 2022, the world's top three vendors accounted for approximately % of the revenue.

The global market for AR Waveguide in Games and Entertainment is estimated to increase from \$ million in 2023 to \$ million by 2029, at a CAGR of % during the forecast period of 2023 through 2029.

Considering the economic change due to COVID-19 and Russia-Ukraine War Influence, FOV Below 30°, which accounted for % of the global market of AR Waveguide in 2022, is expected to reach million US\$ by 2029, growing at a revised CAGR of % from 2023 to 2029.

### Report Scope

This report aims to provide a comprehensive presentation of the global market for AR Waveguide, 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 AR Waveguide.

The AR Waveguide market size, estimations, and forecasts are provided in terms of output/shipments (K Units) and revenue (\$ millions), considering 2022 as the base year, with history and forecast data for the period from 2018 to 2029. This report segments the global AR Waveguide market comprehensively. Regional market sizes, concerning products by types, by application, and by players, are also provided. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes. 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.

The report will help the AR Waveguide manufacturers, new entrants, and industry chain related companies in this market with information on the revenues, production, and average price for the overall market and the sub-segments across the different segments, by company, product type, application, and regions.

### 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 2017-2022. 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:

Microsoft (Hololens)

LX-AR

Lumus

Optinvent

Optics Division

North Ocean Photonics

Vuzix

Crystal Optech

Lochn Optics



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