

Global Ranging Optical Sensor 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 Ranging Optical Sensor market size was valued at US\$ 15540 million in 2024 and is forecast to a readjusted size of USD 26320 million by 2031 with a CAGR of 7.9% during review period.

A Ranging Optical Sensor is a type of optical sensor designed to measure the distance between the sensor itself and a target object or surface. These sensors work based on the principles of optics and can provide accurate distance measurements in various applications. They are used in a wide range of industries, including robotics, industrial automation, automotive, consumer electronics, and more.

Ranging optical sensors are becoming smaller and more compact, making them suitable for integration into smaller and more portable devices. This trend is driven by the demand for miniaturized sensors in applications like smartphones, wearable devices, and drones.

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

Global Ranging Optical Sensor 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 Ranging Optical Sensor 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 Ranging Optical Sensor 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 Ranging Optical Sensor
- 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 Ranging Optical Sensor 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 Acuity, Balluff, Banner Engineering, Baumer, ELAG, KEYENCE, Leuze, Micro-Epsilon, MTI Instruments, Omron, etc.

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

Market Segmentation

Ranging Optical Sensor 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

Laser

LED

Market segment by Application

Automated Industry

Architecture

Logistics

Others

Major players covered

Acuity

Balluff

Banner Engineering

Baumer

ELAG

KEYENCE

Leuze

Micro-Epsilon

MTI Instruments

Omron

OPTEX

Panasonic

Pepperl+Fuchs

SensoPart

SENSOPART

SHARP

SICK

Turck

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 Ranging Optical Sensor product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the Ranging Optical Sensor 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 Ranging Optical Sensor 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 Ranging Optical Sensor.

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

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Ranging Optical Sensor Consumption Value by Type: 2020 Versus 2024 Versus 2031

1.3.2 Laser

1.3.3 LED

1.4 Market Analysis by Application

1.4.1 Overview: Global Ranging Optical Sensor Consumption Value by Application: 2020 Versus 2024 Versus 2031

1.4.2 Automated Industry

1.4.3 Architecture

1.4.4 Logistics

1.4.5 Others

1.5 Global Ranging Optical Sensor Market Size & Forecast

1.5.1 Global Ranging Optical Sensor Consumption Value (2020 & 2024 & 2031)

1.5.2 Global Ranging Optical Sensor Sales Quantity (2020-2031)

1.5.3 Global Ranging Optical Sensor Average Price (2020-2031)

2 MANUFACTURERS PROFILES

2.1 Acuity

2.1.1 Acuity Details

2.1.2 Acuity Major Business

2.1.3 Acuity Ranging Optical Sensor Product and Services

2.1.4 Acuity Ranging Optical Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.1.5 Acuity Recent Developments/Updates

2.2 Balluff

2.2.1 Balluff Details

2.2.2 Balluff Major Business

2.2.3 Balluff Ranging Optical Sensor Product and Services

2.2.4 Balluff Ranging Optical Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.2.5 Balluff Recent Developments/Updates

2.3 Banner Engineering

2.3.1 Banner Engineering Details

2.3.2 Banner Engineering Major Business

2.3.3 Banner Engineering Ranging Optical Sensor Product and Services

2.3.4 Banner Engineering Ranging Optical Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.3.5 Banner Engineering Recent Developments/Updates

2.4 Baumer

2.4.1 Baumer Details

2.4.2 Baumer Major Business

2.4.3 Baumer Ranging Optical Sensor Product and Services

2.4.4 Baumer Ranging Optical Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.4.5 Baumer Recent Developments/Updates

2.5 ELAG

2.5.1 ELAG Details

2.5.2 ELAG Major Business

2.5.3 ELAG Ranging Optical Sensor Product and Services

2.5.4 ELAG Ranging Optical Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.5.5 ELAG Recent Developments/Updates

2.6 KEYENCE

2.6.1 KEYENCE Details

2.6.2 KEYENCE Major Business

2.6.3 KEYENCE Ranging Optical Sensor Product and Services

2.6.4 KEYENCE Ranging Optical Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.6.5 KEYENCE Recent Developments/Updates

2.7 Leuze

2.7.1 Leuze Details

2.7.2 Leuze Major Business

2.7.3 Leuze Ranging Optical Sensor Product and Services

2.7.4 Leuze Ranging Optical Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.7.5 Leuze Recent Developments/Updates

2.8 Micro-Epsilon

2.8.1 Micro-Epsilon Details

2.8.2 Micro-Epsilon Major Business

2.8.3 Micro-Epsilon Ranging Optical Sensor Product and Services

- 2.8.4 Micro-Epsilon Ranging Optical Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
- 2.8.5 Micro-Epsilon Recent Developments/Updates
- 2.9 MTI Instruments
 - 2.9.1 MTI Instruments Details
 - 2.9.2 MTI Instruments Major Business
 - 2.9.3 MTI Instruments Ranging Optical Sensor Product and Services
 - 2.9.4 MTI Instruments Ranging Optical Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.9.5 MTI Instruments Recent Developments/Updates
- 2.10 Omron
 - 2.10.1 Omron Details
 - 2.10.2 Omron Major Business
 - 2.10.3 Omron Ranging Optical Sensor Product and Services
 - 2.10.4 Omron Ranging Optical Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.10.5 Omron Recent Developments/Updates
- 2.11 OPTEX
 - 2.11.1 OPTEX Details
 - 2.11.2 OPTEX Major Business
 - 2.11.3 OPTEX Ranging Optical Sensor Product and Services
 - 2.11.4 OPTEX Ranging Optical Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.11.5 OPTEX Recent Developments/Updates
- 2.12 Panasonic
 - 2.12.1 Panasonic Details
 - 2.12.2 Panasonic Major Business
 - 2.12.3 Panasonic Ranging Optical Sensor Product and Services
 - 2.12.4 Panasonic Ranging Optical Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.12.5 Panasonic Recent Developments/Updates
- 2.13 Pepperl+Fuchs
 - 2.13.1 Pepperl+Fuchs Details
 - 2.13.2 Pepperl+Fuchs Major Business
 - 2.13.3 Pepperl+Fuchs Ranging Optical Sensor Product and Services
 - 2.13.4 Pepperl+Fuchs Ranging Optical Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.13.5 Pepperl+Fuchs Recent Developments/Updates
- 2.14 SensoPart

- 2.14.1 SensoPart Details
- 2.14.2 SensoPart Major Business
- 2.14.3 SensoPart Ranging Optical Sensor Product and Services
- 2.14.4 SensoPart Ranging Optical Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
- 2.14.5 SensoPart Recent Developments/Updates
- 2.15 SENSOPART
 - 2.15.1 SENSOPART Details
 - 2.15.2 SENSOPART Major Business
 - 2.15.3 SENSOPART Ranging Optical Sensor Product and Services
 - 2.15.4 SENSOPART Ranging Optical Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.15.5 SENSOPART Recent Developments/Updates
- 2.16 SHARP
 - 2.16.1 SHARP Details
 - 2.16.2 SHARP Major Business
 - 2.16.3 SHARP Ranging Optical Sensor Product and Services
 - 2.16.4 SHARP Ranging Optical Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.16.5 SHARP Recent Developments/Updates
- 2.17 SICK
 - 2.17.1 SICK Details
 - 2.17.2 SICK Major Business
 - 2.17.3 SICK Ranging Optical Sensor Product and Services
 - 2.17.4 SICK Ranging Optical Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.17.5 SICK Recent Developments/Updates
- 2.18 Turck
 - 2.18.1 Turck Details
 - 2.18.2 Turck Major Business
 - 2.18.3 Turck Ranging Optical Sensor Product and Services
 - 2.18.4 Turck Ranging Optical Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.18.5 Turck Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: RANGING OPTICAL SENSOR BY MANUFACTURER

3.1 Global Ranging Optical Sensor Sales Quantity by Manufacturer (2020-2025)

- 3.2 Global Ranging Optical Sensor Revenue by Manufacturer (2020-2025)
- 3.3 Global Ranging Optical Sensor Average Price by Manufacturer (2020-2025)
- 3.4 Market Share Analysis (2024)
 - 3.4.1 Producer Shipments of Ranging Optical Sensor by Manufacturer Revenue (\$MM) and Market Share (%): 2024
 - 3.4.2 Top 3 Ranging Optical Sensor Manufacturer Market Share in 2024
 - 3.4.3 Top 6 Ranging Optical Sensor Manufacturer Market Share in 2024
- 3.5 Ranging Optical Sensor Market: Overall Company Footprint Analysis
 - 3.5.1 Ranging Optical Sensor Market: Region Footprint
 - 3.5.2 Ranging Optical Sensor Market: Company Product Type Footprint
 - 3.5.3 Ranging Optical Sensor Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

- 4.1 Global Ranging Optical Sensor Market Size by Region
 - 4.1.1 Global Ranging Optical Sensor Sales Quantity by Region (2020-2031)
 - 4.1.2 Global Ranging Optical Sensor Consumption Value by Region (2020-2031)
 - 4.1.3 Global Ranging Optical Sensor Average Price by Region (2020-2031)
- 4.2 North America Ranging Optical Sensor Consumption Value (2020-2031)
- 4.3 Europe Ranging Optical Sensor Consumption Value (2020-2031)
- 4.4 Asia-Pacific Ranging Optical Sensor Consumption Value (2020-2031)
- 4.5 South America Ranging Optical Sensor Consumption Value (2020-2031)
- 4.6 Middle East & Africa Ranging Optical Sensor Consumption Value (2020-2031)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Ranging Optical Sensor Sales Quantity by Type (2020-2031)
- 5.2 Global Ranging Optical Sensor Consumption Value by Type (2020-2031)
- 5.3 Global Ranging Optical Sensor Average Price by Type (2020-2031)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Ranging Optical Sensor Sales Quantity by Application (2020-2031)
- 6.2 Global Ranging Optical Sensor Consumption Value by Application (2020-2031)
- 6.3 Global Ranging Optical Sensor Average Price by Application (2020-2031)

7 NORTH AMERICA

- 7.1 North America Ranging Optical Sensor Sales Quantity by Type (2020-2031)
- 7.2 North America Ranging Optical Sensor Sales Quantity by Application (2020-2031)
- 7.3 North America Ranging Optical Sensor Market Size by Country
 - 7.3.1 North America Ranging Optical Sensor Sales Quantity by Country (2020-2031)
 - 7.3.2 North America Ranging Optical Sensor Consumption Value by Country (2020-2031)
 - 7.3.3 United States Market Size and Forecast (2020-2031)
 - 7.3.4 Canada Market Size and Forecast (2020-2031)
 - 7.3.5 Mexico Market Size and Forecast (2020-2031)

8 EUROPE

- 8.1 Europe Ranging Optical Sensor Sales Quantity by Type (2020-2031)
- 8.2 Europe Ranging Optical Sensor Sales Quantity by Application (2020-2031)
- 8.3 Europe Ranging Optical Sensor Market Size by Country
 - 8.3.1 Europe Ranging Optical Sensor Sales Quantity by Country (2020-2031)
 - 8.3.2 Europe Ranging Optical Sensor Consumption Value by Country (2020-2031)
 - 8.3.3 Germany Market Size and Forecast (2020-2031)
 - 8.3.4 France Market Size and Forecast (2020-2031)
 - 8.3.5 United Kingdom Market Size and Forecast (2020-2031)
 - 8.3.6 Russia Market Size and Forecast (2020-2031)
 - 8.3.7 Italy Market Size and Forecast (2020-2031)

9 ASIA-PACIFIC

- 9.1 Asia-Pacific Ranging Optical Sensor Sales Quantity by Type (2020-2031)
- 9.2 Asia-Pacific Ranging Optical Sensor Sales Quantity by Application (2020-2031)
- 9.3 Asia-Pacific Ranging Optical Sensor Market Size by Region
 - 9.3.1 Asia-Pacific Ranging Optical Sensor Sales Quantity by Region (2020-2031)
 - 9.3.2 Asia-Pacific Ranging Optical Sensor Consumption Value by Region (2020-2031)
 - 9.3.3 China Market Size and Forecast (2020-2031)
 - 9.3.4 Japan Market Size and Forecast (2020-2031)
 - 9.3.5 South Korea Market Size and Forecast (2020-2031)
 - 9.3.6 India Market Size and Forecast (2020-2031)
 - 9.3.7 Southeast Asia Market Size and Forecast (2020-2031)
 - 9.3.8 Australia Market Size and Forecast (2020-2031)

10 SOUTH AMERICA

10.1 South America Ranging Optical Sensor Sales Quantity by Type (2020-2031)

10.2 South America Ranging Optical Sensor Sales Quantity by Application (2020-2031)

10.3 South America Ranging Optical Sensor Market Size by Country

10.3.1 South America Ranging Optical Sensor Sales Quantity by Country (2020-2031)

10.3.2 South America Ranging Optical Sensor Consumption Value by Country
(2020-2031)

10.3.3 Brazil Market Size and Forecast (2020-2031)

10.3.4 Argentina Market Size and Forecast (2020-2031)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Ranging Optical Sensor Sales Quantity by Type (2020-2031)

11.2 Middle East & Africa Ranging Optical Sensor Sales Quantity by Application
(2020-2031)

11.3 Middle East & Africa Ranging Optical Sensor Market Size by Country

11.3.1 Middle East & Africa Ranging Optical Sensor Sales Quantity by Country
(2020-2031)

11.3.2 Middle East & Africa Ranging Optical Sensor Consumption Value by Country
(2020-2031)

11.3.3 Turkey Market Size and Forecast (2020-2031)

11.3.4 Egypt Market Size and Forecast (2020-2031)

11.3.5 Saudi Arabia Market Size and Forecast (2020-2031)

11.3.6 South Africa Market Size and Forecast (2020-2031)

12 MARKET DYNAMICS

12.1 Ranging Optical Sensor Market Drivers

12.2 Ranging Optical Sensor Market Restraints

12.3 Ranging Optical Sensor Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

- 13.1 Raw Material of Ranging Optical Sensor and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of Ranging Optical Sensor
- 13.3 Ranging Optical Sensor Production Process
- 13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

- 14.1 Sales Channel
 - 14.1.1 Direct to End-User
 - 14.1.2 Distributors
- 14.2 Ranging Optical Sensor Typical Distributors
- 14.3 Ranging Optical Sensor Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

- 16.1 Methodology
- 16.2 Research Process and Data Source
- 16.3 Disclaimer

List Of Tables

LIST OF TABLES

- Table 1. Global Ranging Optical Sensor Consumption Value by Type, (USD Million), 2020 & 2024 & 2031
- Table 2. Global Ranging Optical Sensor Consumption Value by Application, (USD Million), 2020 & 2024 & 2031
- Table 3. Acuity Basic Information, Manufacturing Base and Competitors
- Table 4. Acuity Major Business
- Table 5. Acuity Ranging Optical Sensor Product and Services
- Table 6. Acuity Ranging Optical Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 7. Acuity Recent Developments/Updates
- Table 8. Balluff Basic Information, Manufacturing Base and Competitors
- Table 9. Balluff Major Business
- Table 10. Balluff Ranging Optical Sensor Product and Services
- Table 11. Balluff Ranging Optical Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 12. Balluff Recent Developments/Updates
- Table 13. Banner Engineering Basic Information, Manufacturing Base and Competitors
- Table 14. Banner Engineering Major Business
- Table 15. Banner Engineering Ranging Optical Sensor Product and Services
- Table 16. Banner Engineering Ranging Optical Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 17. Banner Engineering Recent Developments/Updates
- Table 18. Baumer Basic Information, Manufacturing Base and Competitors
- Table 19. Baumer Major Business
- Table 20. Baumer Ranging Optical Sensor Product and Services
- Table 21. Baumer Ranging Optical Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 22. Baumer Recent Developments/Updates
- Table 23. ELAG Basic Information, Manufacturing Base and Competitors
- Table 24. ELAG Major Business
- Table 25. ELAG Ranging Optical Sensor Product and Services
- Table 26. ELAG Ranging Optical Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 27. ELAG Recent Developments/Updates

Table 28. KEYENCE Basic Information, Manufacturing Base and Competitors

Table 29. KEYENCE Major Business

Table 30. KEYENCE Ranging Optical Sensor Product and Services

Table 31. KEYENCE Ranging Optical Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 32. KEYENCE Recent Developments/Updates

Table 33. Leuze Basic Information, Manufacturing Base and Competitors

Table 34. Leuze Major Business

Table 35. Leuze Ranging Optical Sensor Product and Services

Table 36. Leuze Ranging Optical Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 37. Leuze Recent Developments/Updates

Table 38. Micro-Epsilon Basic Information, Manufacturing Base and Competitors

Table 39. Micro-Epsilon Major Business

Table 40. Micro-Epsilon Ranging Optical Sensor Product and Services

Table 41. Micro-Epsilon Ranging Optical Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 42. Micro-Epsilon Recent Developments/Updates

Table 43. MTI Instruments Basic Information, Manufacturing Base and Competitors

Table 44. MTI Instruments Major Business

Table 45. MTI Instruments Ranging Optical Sensor Product and Services

Table 46. MTI Instruments Ranging Optical Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 47. MTI Instruments Recent Developments/Updates

Table 48. Omron Basic Information, Manufacturing Base and Competitors

Table 49. Omron Major Business

Table 50. Omron Ranging Optical Sensor Product and Services

Table 51. Omron Ranging Optical Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 52. Omron Recent Developments/Updates

Table 53. OPTEX Basic Information, Manufacturing Base and Competitors

Table 54. OPTEX Major Business

Table 55. OPTEX Ranging Optical Sensor Product and Services

Table 56. OPTEX Ranging Optical Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 57. OPTEX Recent Developments/Updates

Table 58. Panasonic Basic Information, Manufacturing Base and Competitors

Table 59. Panasonic Major Business

Table 60. Panasonic Ranging Optical Sensor Product and Services

Table 61. Panasonic Ranging Optical Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 62. Panasonic Recent Developments/Updates

Table 63. Pepperl+Fuchs Basic Information, Manufacturing Base and Competitors

Table 64. Pepperl+Fuchs Major Business

Table 65. Pepperl+Fuchs Ranging Optical Sensor Product and Services

Table 66. Pepperl+Fuchs Ranging Optical Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 67. Pepperl+Fuchs Recent Developments/Updates

Table 68. SensoPart Basic Information, Manufacturing Base and Competitors

Table 69. SensoPart Major Business

Table 70. SensoPart Ranging Optical Sensor Product and Services

Table 71. SensoPart Ranging Optical Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 72. SensoPart Recent Developments/Updates

Table 73. SENSOPART Basic Information, Manufacturing Base and Competitors

Table 74. SENSOPART Major Business

Table 75. SENSOPART Ranging Optical Sensor Product and Services

Table 76. SENSOPART Ranging Optical Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 77. SENSOPART Recent Developments/Updates

Table 78. SHARP Basic Information, Manufacturing Base and Competitors

Table 79. SHARP Major Business

Table 80. SHARP Ranging Optical Sensor Product and Services

Table 81. SHARP Ranging Optical Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 82. SHARP Recent Developments/Updates

Table 83. SICK Basic Information, Manufacturing Base and Competitors

Table 84. SICK Major Business

Table 85. SICK Ranging Optical Sensor Product and Services

Table 86. SICK Ranging Optical Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 87. SICK Recent Developments/Updates

Table 88. Turck Basic Information, Manufacturing Base and Competitors

Table 89. Turck Major Business

Table 90. Turck Ranging Optical Sensor Product and Services

Table 91. Turck Ranging Optical Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 92. Turck Recent Developments/Updates

Table 93. Global Ranging Optical Sensor Sales Quantity by Manufacturer (2020-2025) & (K Units)

Table 94. Global Ranging Optical Sensor Revenue by Manufacturer (2020-2025) & (USD Million)

Table 95. Global Ranging Optical Sensor Average Price by Manufacturer (2020-2025) & (US\$/Unit)

Table 96. Market Position of Manufacturers in Ranging Optical Sensor, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2024

Table 97. Head Office and Ranging Optical Sensor Production Site of Key Manufacturer

Table 98. Ranging Optical Sensor Market: Company Product Type Footprint

Table 99. Ranging Optical Sensor Market: Company Product Application Footprint

Table 100. Ranging Optical Sensor New Market Entrants and Barriers to Market Entry

Table 101. Ranging Optical Sensor Mergers, Acquisition, Agreements, and Collaborations

Table 102. Global Ranging Optical Sensor Consumption Value by Region (2020-2024-2031) & (USD Million) & CAGR

Table 103. Global Ranging Optical Sensor Sales Quantity by Region (2020-2025) & (K Units)

Table 104. Global Ranging Optical Sensor Sales Quantity by Region (2026-2031) & (K Units)

Table 105. Global Ranging Optical Sensor Consumption Value by Region (2020-2025) & (USD Million)

Table 106. Global Ranging Optical Sensor Consumption Value by Region (2026-2031) & (USD Million)

Table 107. Global Ranging Optical Sensor Average Price by Region (2020-2025) & (US\$/Unit)

Table 108. Global Ranging Optical Sensor Average Price by Region (2026-2031) & (US\$/Unit)

Table 109. Global Ranging Optical Sensor Sales Quantity by Type (2020-2025) & (K Units)

Table 110. Global Ranging Optical Sensor Sales Quantity by Type (2026-2031) & (K Units)

Table 111. Global Ranging Optical Sensor Consumption Value by Type (2020-2025) & (USD Million)

Table 112. Global Ranging Optical Sensor Consumption Value by Type (2026-2031) & (USD Million)

Table 113. Global Ranging Optical Sensor Average Price by Type (2020-2025) & (US\$/Unit)

Table 114. Global Ranging Optical Sensor Average Price by Type (2026-2031) &

(US\$/Unit)

Table 115. Global Ranging Optical Sensor Sales Quantity by Application (2020-2025) & (K Units)

Table 116. Global Ranging Optical Sensor Sales Quantity by Application (2026-2031) & (K Units)

Table 117. Global Ranging Optical Sensor Consumption Value by Application (2020-2025) & (USD Million)

Table 118. Global Ranging Optical Sensor Consumption Value by Application (2026-2031) & (USD Million)

Table 119. Global Ranging Optical Sensor Average Price by Application (2020-2025) & (US\$/Unit)

Table 120. Global Ranging Optical Sensor Average Price by Application (2026-2031) & (US\$/Unit)

Table 121. North America Ranging Optical Sensor Sales Quantity by Type (2020-2025) & (K Units)

Table 122. North America Ranging Optical Sensor Sales Quantity by Type (2026-2031) & (K Units)

Table 123. North America Ranging Optical Sensor Sales Quantity by Application (2020-2025) & (K Units)

Table 124. North America Ranging Optical Sensor Sales Quantity by Application (2026-2031) & (K Units)

Table 125. North America Ranging Optical Sensor Sales Quantity by Country (2020-2025) & (K Units)

Table 126. North America Ranging Optical Sensor Sales Quantity by Country (2026-2031) & (K Units)

Table 127. North America Ranging Optical Sensor Consumption Value by Country (2020-2025) & (USD Million)

Table 128. North America Ranging Optical Sensor Consumption Value by Country (2026-2031) & (USD Million)

Table 129. Europe Ranging Optical Sensor Sales Quantity by Type (2020-2025) & (K Units)

Table 130. Europe Ranging Optical Sensor Sales Quantity by Type (2026-2031) & (K Units)

Table 131. Europe Ranging Optical Sensor Sales Quantity by Application (2020-2025) & (K Units)

Table 132. Europe Ranging Optical Sensor Sales Quantity by Application (2026-2031) & (K Units)

Table 133. Europe Ranging Optical Sensor Sales Quantity by Country (2020-2025) & (K Units)

Table 134. Europe Ranging Optical Sensor Sales Quantity by Country (2026-2031) & (K Units)

Table 135. Europe Ranging Optical Sensor Consumption Value by Country (2020-2025) & (USD Million)

Table 136. Europe Ranging Optical Sensor Consumption Value by Country (2026-2031) & (USD Million)

Table 137. Asia-Pacific Ranging Optical Sensor Sales Quantity by Type (2020-2025) & (K Units)

Table 138. Asia-Pacific Ranging Optical Sensor Sales Quantity by Type (2026-2031) & (K Units)

Table 139. Asia-Pacific Ranging Optical Sensor Sales Quantity by Application (2020-2025) & (K Units)

Table 140. Asia-Pacific Ranging Optical Sensor Sales Quantity by Application (2026-2031) & (K Units)

Table 141. Asia-Pacific Ranging Optical Sensor Sales Quantity by Region (2020-2025) & (K Units)

Table 142. Asia-Pacific Ranging Optical Sensor Sales Quantity by Region (2026-2031) & (K Units)

Table 143. Asia-Pacific Ranging Optical Sensor Consumption Value by Region (2020-2025) & (USD Million)

Table 144. Asia-Pacific Ranging Optical Sensor Consumption Value by Region (2026-2031) & (USD Million)

Table 145. South America Ranging Optical Sensor Sales Quantity by Type (2020-2025) & (K Units)

Table 146. South America Ranging Optical Sensor Sales Quantity by Type (2026-2031) & (K Units)

Table 147. South America Ranging Optical Sensor Sales Quantity by Application (2020-2025) & (K Units)

Table 148. South America Ranging Optical Sensor Sales Quantity by Application (2026-2031) & (K Units)

Table 149. South America Ranging Optical Sensor Sales Quantity by Country (2020-2025) & (K Units)

Table 150. South America Ranging Optical Sensor Sales Quantity by Country (2026-2031) & (K Units)

Table 151. South America Ranging Optical Sensor Consumption Value by Country (2020-2025) & (USD Million)

Table 152. South America Ranging Optical Sensor Consumption Value by Country (2026-2031) & (USD Million)

Table 153. Middle East & Africa Ranging Optical Sensor Sales Quantity by Type

(2020-2025) & (K Units)

Table 154. Middle East & Africa Ranging Optical Sensor Sales Quantity by Type

(2026-2031) & (K Units)

Table 155. Middle East & Africa Ranging Optical Sensor Sales Quantity by Application

(2020-2025) & (K Units)

Table 156. Middle East & Africa Ranging Optical Sensor Sales Quantity by Application

(2026-2031) & (K Units)

Table 157. Middle East & Africa Ranging Optical Sensor Sales Quantity by Country

(2020-2025) & (K Units)

Table 158. Middle East & Africa Ranging Optical Sensor Sales Quantity by Country

(2026-2031) & (K Units)

Table 159. Middle East & Africa Ranging Optical Sensor Consumption Value by Country

(2020-2025) & (USD Million)

Table 160. Middle East & Africa Ranging Optical Sensor Consumption Value by Country

(2026-2031) & (USD Million)

Table 161. Ranging Optical Sensor Raw Material

Table 162. Key Manufacturers of Ranging Optical Sensor Raw Materials

Table 163. Ranging Optical Sensor Typical Distributors

Table 164. Ranging Optical Sensor Typical Customers

List Of Figures

LIST OF FIGURES

- Figure 1. Ranging Optical Sensor Picture
- Figure 2. Global Ranging Optical Sensor Revenue by Type, (USD Million), 2020 & 2024 & 2031
- Figure 3. Global Ranging Optical Sensor Revenue Market Share by Type in 2024
- Figure 4. Laser Examples
- Figure 5. LED Examples
- Figure 6. Global Ranging Optical Sensor Consumption Value by Application, (USD Million), 2020 & 2024 & 2031
- Figure 7. Global Ranging Optical Sensor Revenue Market Share by Application in 2024
- Figure 8. Automated Industry Examples
- Figure 9. Architecture Examples
- Figure 10. Logistics Examples
- Figure 11. Others Examples
- Figure 12. Global Ranging Optical Sensor Consumption Value, (USD Million): 2020 & 2024 & 2031
- Figure 13. Global Ranging Optical Sensor Consumption Value and Forecast (2020-2031) & (USD Million)
- Figure 14. Global Ranging Optical Sensor Sales Quantity (2020-2031) & (K Units)
- Figure 15. Global Ranging Optical Sensor Price (2020-2031) & (US\$/Unit)
- Figure 16. Global Ranging Optical Sensor Sales Quantity Market Share by Manufacturer in 2024
- Figure 17. Global Ranging Optical Sensor Revenue Market Share by Manufacturer in 2024
- Figure 18. Producer Shipments of Ranging Optical Sensor by Manufacturer Sales (\$MM) and Market Share (%): 2024
- Figure 19. Top 3 Ranging Optical Sensor Manufacturer (Revenue) Market Share in 2024
- Figure 20. Top 6 Ranging Optical Sensor Manufacturer (Revenue) Market Share in 2024
- Figure 21. Global Ranging Optical Sensor Sales Quantity Market Share by Region (2020-2031)
- Figure 22. Global Ranging Optical Sensor Consumption Value Market Share by Region (2020-2031)
- Figure 23. North America Ranging Optical Sensor Consumption Value (2020-2031) & (USD Million)

Figure 24. Europe Ranging Optical Sensor Consumption Value (2020-2031) & (USD Million)

Figure 25. Asia-Pacific Ranging Optical Sensor Consumption Value (2020-2031) & (USD Million)

Figure 26. South America Ranging Optical Sensor Consumption Value (2020-2031) & (USD Million)

Figure 27. Middle East & Africa Ranging Optical Sensor Consumption Value (2020-2031) & (USD Million)

Figure 28. Global Ranging Optical Sensor Sales Quantity Market Share by Type (2020-2031)

Figure 29. Global Ranging Optical Sensor Consumption Value Market Share by Type (2020-2031)

Figure 30. Global Ranging Optical Sensor Average Price by Type (2020-2031) & (US\$/Unit)

Figure 31. Global Ranging Optical Sensor Sales Quantity Market Share by Application (2020-2031)

Figure 32. Global Ranging Optical Sensor Revenue Market Share by Application (2020-2031)

Figure 33. Global Ranging Optical Sensor Average Price by Application (2020-2031) & (US\$/Unit)

Figure 34. North America Ranging Optical Sensor Sales Quantity Market Share by Type (2020-2031)

Figure 35. North America Ranging Optical Sensor Sales Quantity Market Share by Application (2020-2031)

Figure 36. North America Ranging Optical Sensor Sales Quantity Market Share by Country (2020-2031)

Figure 37. North America Ranging Optical Sensor Consumption Value Market Share by Country (2020-2031)

Figure 38. United States Ranging Optical Sensor Consumption Value (2020-2031) & (USD Million)

Figure 39. Canada Ranging Optical Sensor Consumption Value (2020-2031) & (USD Million)

Figure 40. Mexico Ranging Optical Sensor Consumption Value (2020-2031) & (USD Million)

Figure 41. Europe Ranging Optical Sensor Sales Quantity Market Share by Type (2020-2031)

Figure 42. Europe Ranging Optical Sensor Sales Quantity Market Share by Application (2020-2031)

Figure 43. Europe Ranging Optical Sensor Sales Quantity Market Share by Country

(2020-2031)

Figure 44. Europe Ranging Optical Sensor Consumption Value Market Share by Country (2020-2031)

Figure 45. Germany Ranging Optical Sensor Consumption Value (2020-2031) & (USD Million)

Figure 46. France Ranging Optical Sensor Consumption Value (2020-2031) & (USD Million)

Figure 47. United Kingdom Ranging Optical Sensor Consumption Value (2020-2031) & (USD Million)

Figure 48. Russia Ranging Optical Sensor Consumption Value (2020-2031) & (USD Million)

Figure 49. Italy Ranging Optical Sensor Consumption Value (2020-2031) & (USD Million)

Figure 50. Asia-Pacific Ranging Optical Sensor Sales Quantity Market Share by Type (2020-2031)

Figure 51. Asia-Pacific Ranging Optical Sensor Sales Quantity Market Share by Application (2020-2031)

Figure 52. Asia-Pacific Ranging Optical Sensor Sales Quantity Market Share by Region (2020-2031)

Figure 53. Asia-Pacific Ranging Optical Sensor Consumption Value Market Share by Region (2020-2031)

Figure 54. China Ranging Optical Sensor Consumption Value (2020-2031) & (USD Million)

Figure 55. Japan Ranging Optical Sensor Consumption Value (2020-2031) & (USD Million)

Figure 56. South Korea Ranging Optical Sensor Consumption Value (2020-2031) & (USD Million)

Figure 57. India Ranging Optical Sensor Consumption Value (2020-2031) & (USD Million)

Figure 58. Southeast Asia Ranging Optical Sensor Consumption Value (2020-2031) & (USD Million)

Figure 59. Australia Ranging Optical Sensor Consumption Value (2020-2031) & (USD Million)

Figure 60. South America Ranging Optical Sensor Sales Quantity Market Share by Type (2020-2031)

Figure 61. South America Ranging Optical Sensor Sales Quantity Market Share by Application (2020-2031)

Figure 62. South America Ranging Optical Sensor Sales Quantity Market Share by Country (2020-2031)

Figure 63. South America Ranging Optical Sensor Consumption Value Market Share by Country (2020-2031)

Figure 64. Brazil Ranging Optical Sensor Consumption Value (2020-2031) & (USD Million)

Figure 65. Argentina Ranging Optical Sensor Consumption Value (2020-2031) & (USD Million)

Figure 66. Middle East & Africa Ranging Optical Sensor Sales Quantity Market Share by Type (2020-2031)

Figure 67. Middle East & Africa Ranging Optical Sensor Sales Quantity Market Share by Application (2020-2031)

Figure 68. Middle East & Africa Ranging Optical Sensor Sales Quantity Market Share by Country (2020-2031)

Figure 69. Middle East & Africa Ranging Optical Sensor Consumption Value Market Share by Country (2020-2031)

Figure 70. Turkey Ranging Optical Sensor Consumption Value (2020-2031) & (USD Million)

Figure 71. Egypt Ranging Optical Sensor Consumption Value (2020-2031) & (USD Million)

Figure 72. Saudi Arabia Ranging Optical Sensor Consumption Value (2020-2031) & (USD Million)

Figure 73. South Africa Ranging Optical Sensor Consumption Value (2020-2031) & (USD Million)

Figure 74. Ranging Optical Sensor Market Drivers

Figure 75. Ranging Optical Sensor Market Restraints

Figure 76. Ranging Optical Sensor Market Trends

Figure 77. Porters Five Forces Analysis

Figure 78. Manufacturing Cost Structure Analysis of Ranging Optical Sensor in 2024

Figure 79. Manufacturing Process Analysis of Ranging Optical Sensor

Figure 80. Ranging Optical Sensor Industrial Chain

Figure 81. Sales Channel: Direct to End-User vs Distributors

Figure 82. Direct Channel Pros & Cons

Figure 83. Indirect Channel Pros & Cons

Figure 84. Methodology

Figure 85. Research Process and Data Source

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