

# Global Monocular Structured Light Camera Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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#### **Abstracts**

According to our (Global Info Research) latest study, the global Monocular Structured Light Camera market size was valued at USD million in 2023 and is forecast to a readjusted size of USD million by 2030 with a CAGR of % during review period.

A monocular structured light camera is a device that uses structured light projection technology to measure the three-dimensional shape of an object's surface. It consists of a projector and a camera. The projector projects a light pattern with certain coded information to the object. The camera collects the projected image, and then uses a computer to analyze the deformation of the light pattern in the image to recover the three-dimensional information of the object.

The Global Info Research report includes an overview of the development of the Monocular Structured Light Camera industry chain, the market status of Industrial (Coaxial Structured Light Camera, Non-coaxial Structured Light Camera), Film and Television Industry (Coaxial Structured Light Camera, Non-coaxial Structured Light Camera), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Monocular Structured Light Camera.

Regionally, the report analyzes the Monocular Structured Light Camera markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Monocular Structured Light Camera market, with robust domestic demand, supportive policies, and a strong manufacturing base.



#### **Key Features:**

The report presents comprehensive understanding of the Monocular Structured Light Camera market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Monocular Structured Light Camera industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Coaxial Structured Light Camera, Non-coaxial Structured Light Camera).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Monocular Structured Light Camera market.

Regional Analysis: The report involves examining the Monocular Structured Light Camera market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Monocular Structured Light Camera market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Monocular Structured Light Camera:

Company Analysis: Report covers individual Monocular Structured Light Camera manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Monocular Structured Light Camera This may involve surveys,



interviews, and analysis of consumer reviews and feedback from different by Application (Industrial, Film and Television Industry).

Technology Analysis: Report covers specific technologies relevant to Monocular Structured Light Camera. It assesses the current state, advancements, and potential future developments in Monocular Structured Light Camera areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Monocular Structured Light Camera market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Monocular Structured Light Camera market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Coaxial Structured Light Camera

Non-coaxial Structured Light Camera

Market segment by Application

Industrial

Film and Television Industry

Consumer Electronics Industry

Others



## Major players covered **Cognex Corporation Keyence Corporation** Chromasens GmbH LMI Technologies Inc. ISRA VISION AG Orbbec Mech-Mind Zivid Leica SICK AG Basler AG **Berxel Photonics THESEUS** Teledyne Technologies ams OSRAM 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 Monocular Structured Light Camera product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Monocular Structured Light Camera, with price, sales, revenue and global market share of Monocular Structured Light Camera from 2019 to 2024.

Chapter 3, the Monocular Structured Light Camera competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Monocular Structured Light Camera breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

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 2017 to 2023.and Monocular Structured Light Camera market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

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 Monocular Structured Light Camera.



Chapter 14 and 15, to describe Monocular Structured Light Camera sales channel, distributors, customers, research findings and conclusion.



#### **Contents**

#### **1 MARKET OVERVIEW**

- 1.1 Product Overview and Scope of Monocular Structured Light Camera
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
  - 1.3.1 Overview: Global Monocular Structured Light Camera Consumption Value by
- Type: 2019 Versus 2023 Versus 2030
  - 1.3.2 Coaxial Structured Light Camera
  - 1.3.3 Non-coaxial Structured Light Camera
- 1.4 Market Analysis by Application
  - 1.4.1 Overview: Global Monocular Structured Light Camera Consumption Value by
- Application: 2019 Versus 2023 Versus 2030
  - 1.4.2 Industrial
  - 1.4.3 Film and Television Industry
  - 1.4.4 Consumer Electronics Industry
  - 1.4.5 Others
- 1.5 Global Monocular Structured Light Camera Market Size & Forecast
- 1.5.1 Global Monocular Structured Light Camera Consumption Value (2019 & 2023 & 2030)
  - 1.5.2 Global Monocular Structured Light Camera Sales Quantity (2019-2030)
  - 1.5.3 Global Monocular Structured Light Camera Average Price (2019-2030)

#### **2 MANUFACTURERS PROFILES**

- 2.1 Cognex Corporation
  - 2.1.1 Cognex Corporation Details
  - 2.1.2 Cognex Corporation Major Business
  - 2.1.3 Cognex Corporation Monocular Structured Light Camera Product and Services
  - 2.1.4 Cognex Corporation Monocular Structured Light Camera Sales Quantity,

Average Price, Revenue, Gross Margin and Market Share (2019-2024)

- 2.1.5 Cognex Corporation Recent Developments/Updates
- 2.2 Keyence Corporation
  - 2.2.1 Keyence Corporation Details
  - 2.2.2 Keyence Corporation Major Business
  - 2.2.3 Keyence Corporation Monocular Structured Light Camera Product and Services
- 2.2.4 Keyence Corporation Monocular Structured Light Camera Sales Quantity,

Average Price, Revenue, Gross Margin and Market Share (2019-2024)



- 2.2.5 Keyence Corporation Recent Developments/Updates
- 2.3 Chromasens GmbH
  - 2.3.1 Chromasens GmbH Details
  - 2.3.2 Chromasens GmbH Major Business
  - 2.3.3 Chromasens GmbH Monocular Structured Light Camera Product and Services
  - 2.3.4 Chromasens GmbH Monocular Structured Light Camera Sales Quantity,

Average Price, Revenue, Gross Margin and Market Share (2019-2024)

- 2.3.5 Chromasens GmbH Recent Developments/Updates
- 2.4 LMI Technologies Inc.
  - 2.4.1 LMI Technologies Inc. Details
  - 2.4.2 LMI Technologies Inc. Major Business
  - 2.4.3 LMI Technologies Inc. Monocular Structured Light Camera Product and Services
  - 2.4.4 LMI Technologies Inc. Monocular Structured Light Camera Sales Quantity,

Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.4.5 LMI Technologies Inc. Recent Developments/Updates

#### 2.5 ISRA VISION AG

- 2.5.1 ISRA VISION AG Details
- 2.5.2 ISRA VISION AG Major Business
- 2.5.3 ISRA VISION AG Monocular Structured Light Camera Product and Services
- 2.5.4 ISRA VISION AG Monocular Structured Light Camera Sales Quantity, Average

Price, Revenue, Gross Margin and Market Share (2019-2024)

2.5.5 ISRA VISION AG Recent Developments/Updates

#### 2.6 Orbbec

- 2.6.1 Orbbec Details
- 2.6.2 Orbbec Major Business
- 2.6.3 Orbbec Monocular Structured Light Camera Product and Services
- 2.6.4 Orbbec Monocular Structured Light Camera Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2019-2024)

2.6.5 Orbbec Recent Developments/Updates

#### 2.7 Mech-Mind

- 2.7.1 Mech-Mind Details
- 2.7.2 Mech-Mind Major Business
- 2.7.3 Mech-Mind Monocular Structured Light Camera Product and Services
- 2.7.4 Mech-Mind Monocular Structured Light Camera Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2019-2024)

2.7.5 Mech-Mind Recent Developments/Updates

#### 2.8 Zivid

- 2.8.1 Zivid Details
- 2.8.2 Zivid Major Business



- 2.8.3 Zivid Monocular Structured Light Camera Product and Services
- 2.8.4 Zivid Monocular Structured Light Camera Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2019-2024)

- 2.8.5 Zivid Recent Developments/Updates
- 2.9 Leica
  - 2.9.1 Leica Details
  - 2.9.2 Leica Major Business
  - 2.9.3 Leica Monocular Structured Light Camera Product and Services
  - 2.9.4 Leica Monocular Structured Light Camera Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2019-2024)

- 2.9.5 Leica Recent Developments/Updates
- 2.10 SICK AG
  - 2.10.1 SICK AG Details
  - 2.10.2 SICK AG Major Business
  - 2.10.3 SICK AG Monocular Structured Light Camera Product and Services
- 2.10.4 SICK AG Monocular Structured Light Camera Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2019-2024)

- 2.10.5 SICK AG Recent Developments/Updates
- 2.11 Basler AG
  - 2.11.1 Basler AG Details
  - 2.11.2 Basler AG Major Business
  - 2.11.3 Basler AG Monocular Structured Light Camera Product and Services
  - 2.11.4 Basler AG Monocular Structured Light Camera Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2019-2024)

- 2.11.5 Basler AG Recent Developments/Updates
- 2.12 Berxel Photonics
  - 2.12.1 Berxel Photonics Details
  - 2.12.2 Berxel Photonics Major Business
  - 2.12.3 Berxel Photonics Monocular Structured Light Camera Product and Services
  - 2.12.4 Berxel Photonics Monocular Structured Light Camera Sales Quantity, Average

Price, Revenue, Gross Margin and Market Share (2019-2024)

- 2.12.5 Berxel Photonics Recent Developments/Updates
- 2.13 THESEUS
  - 2.13.1 THESEUS Details
  - 2.13.2 THESEUS Major Business
  - 2.13.3 THESEUS Monocular Structured Light Camera Product and Services
  - 2.13.4 THESEUS Monocular Structured Light Camera Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2019-2024)

2.13.5 THESEUS Recent Developments/Updates



- 2.14 Teledyne Technologies
  - 2.14.1 Teledyne Technologies Details
  - 2.14.2 Teledyne Technologies Major Business
- 2.14.3 Teledyne Technologies Monocular Structured Light Camera Product and Services
- 2.14.4 Teledyne Technologies Monocular Structured Light Camera Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.14.5 Teledyne Technologies Recent Developments/Updates
- 2.15 ams OSRAM
  - 2.15.1 ams OSRAM Details
  - 2.15.2 ams OSRAM Major Business
  - 2.15.3 ams OSRAM Monocular Structured Light Camera Product and Services
- 2.15.4 ams OSRAM Monocular Structured Light Camera Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.15.5 ams OSRAM Recent Developments/Updates

### 3 COMPETITIVE ENVIRONMENT: MONOCULAR STRUCTURED LIGHT CAMERA BY MANUFACTURER

- 3.1 Global Monocular Structured Light Camera Sales Quantity by Manufacturer (2019-2024)
- 3.2 Global Monocular Structured Light Camera Revenue by Manufacturer (2019-2024)
- 3.3 Global Monocular Structured Light Camera Average Price by Manufacturer (2019-2024)
- 3.4 Market Share Analysis (2023)
- 3.4.1 Producer Shipments of Monocular Structured Light Camera by Manufacturer Revenue (\$MM) and Market Share (%): 2023
  - 3.4.2 Top 3 Monocular Structured Light Camera Manufacturer Market Share in 2023
- 3.4.2 Top 6 Monocular Structured Light Camera Manufacturer Market Share in 2023
- 3.5 Monocular Structured Light Camera Market: Overall Company Footprint Analysis
  - 3.5.1 Monocular Structured Light Camera Market: Region Footprint
  - 3.5.2 Monocular Structured Light Camera Market: Company Product Type Footprint
- 3.5.3 Monocular Structured Light Camera 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 Monocular Structured Light Camera Market Size by Region
- 4.1.1 Global Monocular Structured Light Camera Sales Quantity by Region (2019-2030)
- 4.1.2 Global Monocular Structured Light Camera Consumption Value by Region (2019-2030)
- 4.1.3 Global Monocular Structured Light Camera Average Price by Region (2019-2030)
- 4.2 North America Monocular Structured Light Camera Consumption Value (2019-2030)
- 4.3 Europe Monocular Structured Light Camera Consumption Value (2019-2030)
- 4.4 Asia-Pacific Monocular Structured Light Camera Consumption Value (2019-2030)
- 4.5 South America Monocular Structured Light Camera Consumption Value (2019-2030)
- 4.6 Middle East and Africa Monocular Structured Light Camera Consumption Value (2019-2030)

#### **5 MARKET SEGMENT BY TYPE**

- 5.1 Global Monocular Structured Light Camera Sales Quantity by Type (2019-2030)
- 5.2 Global Monocular Structured Light Camera Consumption Value by Type (2019-2030)
- 5.3 Global Monocular Structured Light Camera Average Price by Type (2019-2030)

#### **6 MARKET SEGMENT BY APPLICATION**

- 6.1 Global Monocular Structured Light Camera Sales Quantity by Application (2019-2030)
- 6.2 Global Monocular Structured Light Camera Consumption Value by Application (2019-2030)
- 6.3 Global Monocular Structured Light Camera Average Price by Application (2019-2030)

#### 7 NORTH AMERICA

- 7.1 North America Monocular Structured Light Camera Sales Quantity by Type (2019-2030)
- 7.2 North America Monocular Structured Light Camera Sales Quantity by Application (2019-2030)
- 7.3 North America Monocular Structured Light Camera Market Size by Country
  7.3.1 North America Monocular Structured Light Camera Sales Quantity by Country



(2019-2030)

- 7.3.2 North America Monocular Structured Light Camera Consumption Value by Country (2019-2030)
  - 7.3.3 United States Market Size and Forecast (2019-2030)
  - 7.3.4 Canada Market Size and Forecast (2019-2030)
  - 7.3.5 Mexico Market Size and Forecast (2019-2030)

#### **8 EUROPE**

- 8.1 Europe Monocular Structured Light Camera Sales Quantity by Type (2019-2030)
- 8.2 Europe Monocular Structured Light Camera Sales Quantity by Application (2019-2030)
- 8.3 Europe Monocular Structured Light Camera Market Size by Country
- 8.3.1 Europe Monocular Structured Light Camera Sales Quantity by Country (2019-2030)
- 8.3.2 Europe Monocular Structured Light Camera Consumption Value by Country (2019-2030)
  - 8.3.3 Germany Market Size and Forecast (2019-2030)
  - 8.3.4 France Market Size and Forecast (2019-2030)
- 8.3.5 United Kingdom Market Size and Forecast (2019-2030)
- 8.3.6 Russia Market Size and Forecast (2019-2030)
- 8.3.7 Italy Market Size and Forecast (2019-2030)

#### 9 ASIA-PACIFIC

- 9.1 Asia-Pacific Monocular Structured Light Camera Sales Quantity by Type (2019-2030)
- 9.2 Asia-Pacific Monocular Structured Light Camera Sales Quantity by Application (2019-2030)
- 9.3 Asia-Pacific Monocular Structured Light Camera Market Size by Region
- 9.3.1 Asia-Pacific Monocular Structured Light Camera Sales Quantity by Region (2019-2030)
- 9.3.2 Asia-Pacific Monocular Structured Light Camera Consumption Value by Region (2019-2030)
  - 9.3.3 China Market Size and Forecast (2019-2030)
  - 9.3.4 Japan Market Size and Forecast (2019-2030)
  - 9.3.5 Korea Market Size and Forecast (2019-2030)
  - 9.3.6 India Market Size and Forecast (2019-2030)
- 9.3.7 Southeast Asia Market Size and Forecast (2019-2030)



#### 9.3.8 Australia Market Size and Forecast (2019-2030)

#### **10 SOUTH AMERICA**

- 10.1 South America Monocular Structured Light Camera Sales Quantity by Type (2019-2030)
- 10.2 South America Monocular Structured Light Camera Sales Quantity by Application (2019-2030)
- 10.3 South America Monocular Structured Light Camera Market Size by Country
- 10.3.1 South America Monocular Structured Light Camera Sales Quantity by Country (2019-2030)
- 10.3.2 South America Monocular Structured Light Camera Consumption Value by Country (2019-2030)
  - 10.3.3 Brazil Market Size and Forecast (2019-2030)
  - 10.3.4 Argentina Market Size and Forecast (2019-2030)

#### 11 MIDDLE EAST & AFRICA

- 11.1 Middle East & Africa Monocular Structured Light Camera Sales Quantity by Type (2019-2030)
- 11.2 Middle East & Africa Monocular Structured Light Camera Sales Quantity by Application (2019-2030)
- 11.3 Middle East & Africa Monocular Structured Light Camera Market Size by Country 11.3.1 Middle East & Africa Monocular Structured Light Camera Sales Quantity by
- 11.3.2 Middle East & Africa Monocular Structured Light Camera Consumption Value by Country (2019-2030)
  - 11.3.3 Turkey Market Size and Forecast (2019-2030)
  - 11.3.4 Egypt Market Size and Forecast (2019-2030)
  - 11.3.5 Saudi Arabia Market Size and Forecast (2019-2030)
  - 11.3.6 South Africa Market Size and Forecast (2019-2030)

#### 12 MARKET DYNAMICS

Country (2019-2030)

- 12.1 Monocular Structured Light Camera Market Drivers
- 12.2 Monocular Structured Light Camera Market Restraints
- 12.3 Monocular Structured Light Camera 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 Monocular Structured Light Camera and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of Monocular Structured Light Camera
- 13.3 Monocular Structured Light Camera Production Process
- 13.4 Monocular Structured Light Camera Industrial Chain

#### 14 SHIPMENTS BY DISTRIBUTION CHANNEL

- 14.1 Sales Channel
  - 14.1.1 Direct to End-User
  - 14.1.2 Distributors
- 14.2 Monocular Structured Light Camera Typical Distributors
- 14.3 Monocular Structured Light Camera 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 Monocular Structured Light Camera Consumption Value by Type, (USD Million), 2019 & 2023 & 2030
- Table 2. Global Monocular Structured Light Camera Consumption Value by Application, (USD Million), 2019 & 2023 & 2030
- Table 3. Cognex Corporation Basic Information, Manufacturing Base and Competitors
- Table 4. Cognex Corporation Major Business
- Table 5. Cognex Corporation Monocular Structured Light Camera Product and Services
- Table 6. Cognex Corporation Monocular Structured Light Camera Sales Quantity (K
- Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 7. Cognex Corporation Recent Developments/Updates
- Table 8. Keyence Corporation Basic Information, Manufacturing Base and Competitors
- Table 9. Keyence Corporation Major Business
- Table 10. Keyence Corporation Monocular Structured Light Camera Product and Services
- Table 11. Keyence Corporation Monocular Structured Light Camera Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 12. Keyence Corporation Recent Developments/Updates
- Table 13. Chromasens GmbH Basic Information, Manufacturing Base and Competitors
- Table 14. Chromasens GmbH Major Business
- Table 15. Chromasens GmbH Monocular Structured Light Camera Product and Services
- Table 16. Chromasens GmbH Monocular Structured Light Camera Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 17. Chromasens GmbH Recent Developments/Updates
- Table 18. LMI Technologies Inc. Basic Information, Manufacturing Base and Competitors
- Table 19. LMI Technologies Inc. Major Business
- Table 20. LMI Technologies Inc. Monocular Structured Light Camera Product and Services
- Table 21. LMI Technologies Inc. Monocular Structured Light Camera Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)



- Table 22. LMI Technologies Inc. Recent Developments/Updates
- Table 23. ISRA VISION AG Basic Information, Manufacturing Base and Competitors
- Table 24. ISRA VISION AG Major Business
- Table 25. ISRA VISION AG Monocular Structured Light Camera Product and Services
- Table 26. ISRA VISION AG Monocular Structured Light Camera Sales Quantity (K
- Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 27. ISRA VISION AG Recent Developments/Updates
- Table 28. Orbbec Basic Information, Manufacturing Base and Competitors
- Table 29. Orbbec Major Business
- Table 30. Orbbec Monocular Structured Light Camera Product and Services
- Table 31. Orbbec Monocular Structured Light Camera Sales Quantity (K Units),
- Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 32. Orbbec Recent Developments/Updates
- Table 33. Mech-Mind Basic Information, Manufacturing Base and Competitors
- Table 34. Mech-Mind Major Business
- Table 35. Mech-Mind Monocular Structured Light Camera Product and Services
- Table 36. Mech-Mind Monocular Structured Light Camera Sales Quantity (K Units),
- Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 37. Mech-Mind Recent Developments/Updates
- Table 38. Zivid Basic Information, Manufacturing Base and Competitors
- Table 39. Zivid Major Business
- Table 40. Zivid Monocular Structured Light Camera Product and Services
- Table 41. Zivid Monocular Structured Light Camera Sales Quantity (K Units), Average
- Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 42. Zivid Recent Developments/Updates
- Table 43. Leica Basic Information, Manufacturing Base and Competitors
- Table 44. Leica Major Business
- Table 45. Leica Monocular Structured Light Camera Product and Services
- Table 46. Leica Monocular Structured Light Camera Sales Quantity (K Units), Average
- Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 47. Leica Recent Developments/Updates
- Table 48. SICK AG Basic Information, Manufacturing Base and Competitors
- Table 49. SICK AG Major Business
- Table 50. SICK AG Monocular Structured Light Camera Product and Services
- Table 51. SICK AG Monocular Structured Light Camera Sales Quantity (K Units),
- Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share



(2019-2024)

Table 52. SICK AG Recent Developments/Updates

Table 53. Basler AG Basic Information, Manufacturing Base and Competitors

Table 54. Basler AG Major Business

Table 55. Basler AG Monocular Structured Light Camera Product and Services

Table 56. Basler AG Monocular Structured Light Camera Sales Quantity (K Units),

Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 57. Basler AG Recent Developments/Updates

Table 58. Berxel Photonics Basic Information, Manufacturing Base and Competitors

Table 59. Berxel Photonics Major Business

Table 60. Berxel Photonics Monocular Structured Light Camera Product and Services

Table 61. Berxel Photonics Monocular Structured Light Camera Sales Quantity (K

Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 62. Berxel Photonics Recent Developments/Updates

Table 63. THESEUS Basic Information, Manufacturing Base and Competitors

Table 64. THESEUS Major Business

Table 65. THESEUS Monocular Structured Light Camera Product and Services

Table 66. THESEUS Monocular Structured Light Camera Sales Quantity (K Units),

Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 67. THESEUS Recent Developments/Updates

Table 68. Teledyne Technologies Basic Information, Manufacturing Base and Competitors

Table 69. Teledyne Technologies Major Business

Table 70. Teledyne Technologies Monocular Structured Light Camera Product and Services

Table 71. Teledyne Technologies Monocular Structured Light Camera Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 72. Teledyne Technologies Recent Developments/Updates

Table 73. ams OSRAM Basic Information, Manufacturing Base and Competitors

Table 74. ams OSRAM Major Business

Table 75. ams OSRAM Monocular Structured Light Camera Product and Services

Table 76. ams OSRAM Monocular Structured Light Camera Sales Quantity (K Units),

Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 77. ams OSRAM Recent Developments/Updates



Table 78. Global Monocular Structured Light Camera Sales Quantity by Manufacturer (2019-2024) & (K Units)

Table 79. Global Monocular Structured Light Camera Revenue by Manufacturer (2019-2024) & (USD Million)

Table 80. Global Monocular Structured Light Camera Average Price by Manufacturer (2019-2024) & (US\$/Unit)

Table 81. Market Position of Manufacturers in Monocular Structured Light Camera, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2023

Table 82. Head Office and Monocular Structured Light Camera Production Site of Key Manufacturer

Table 83. Monocular Structured Light Camera Market: Company Product Type Footprint

Table 84. Monocular Structured Light Camera Market: Company Product Application Footprint

Table 85. Monocular Structured Light Camera New Market Entrants and Barriers to Market Entry

Table 86. Monocular Structured Light Camera Mergers, Acquisition, Agreements, and Collaborations

Table 87. Global Monocular Structured Light Camera Sales Quantity by Region (2019-2024) & (K Units)

Table 88. Global Monocular Structured Light Camera Sales Quantity by Region (2025-2030) & (K Units)

Table 89. Global Monocular Structured Light Camera Consumption Value by Region (2019-2024) & (USD Million)

Table 90. Global Monocular Structured Light Camera Consumption Value by Region (2025-2030) & (USD Million)

Table 91. Global Monocular Structured Light Camera Average Price by Region (2019-2024) & (US\$/Unit)

Table 92. Global Monocular Structured Light Camera Average Price by Region (2025-2030) & (US\$/Unit)

Table 93. Global Monocular Structured Light Camera Sales Quantity by Type (2019-2024) & (K Units)

Table 94. Global Monocular Structured Light Camera Sales Quantity by Type (2025-2030) & (K Units)

Table 95. Global Monocular Structured Light Camera Consumption Value by Type (2019-2024) & (USD Million)

Table 96. Global Monocular Structured Light Camera Consumption Value by Type (2025-2030) & (USD Million)

Table 97. Global Monocular Structured Light Camera Average Price by Type (2019-2024) & (US\$/Unit)



Table 98. Global Monocular Structured Light Camera Average Price by Type (2025-2030) & (US\$/Unit)

Table 99. Global Monocular Structured Light Camera Sales Quantity by Application (2019-2024) & (K Units)

Table 100. Global Monocular Structured Light Camera Sales Quantity by Application (2025-2030) & (K Units)

Table 101. Global Monocular Structured Light Camera Consumption Value by Application (2019-2024) & (USD Million)

Table 102. Global Monocular Structured Light Camera Consumption Value by Application (2025-2030) & (USD Million)

Table 103. Global Monocular Structured Light Camera Average Price by Application (2019-2024) & (US\$/Unit)

Table 104. Global Monocular Structured Light Camera Average Price by Application (2025-2030) & (US\$/Unit)

Table 105. North America Monocular Structured Light Camera Sales Quantity by Type (2019-2024) & (K Units)

Table 106. North America Monocular Structured Light Camera Sales Quantity by Type (2025-2030) & (K Units)

Table 107. North America Monocular Structured Light Camera Sales Quantity by Application (2019-2024) & (K Units)

Table 108. North America Monocular Structured Light Camera Sales Quantity by Application (2025-2030) & (K Units)

Table 109. North America Monocular Structured Light Camera Sales Quantity by Country (2019-2024) & (K Units)

Table 110. North America Monocular Structured Light Camera Sales Quantity by Country (2025-2030) & (K Units)

Table 111. North America Monocular Structured Light Camera Consumption Value by Country (2019-2024) & (USD Million)

Table 112. North America Monocular Structured Light Camera Consumption Value by Country (2025-2030) & (USD Million)

Table 113. Europe Monocular Structured Light Camera Sales Quantity by Type (2019-2024) & (K Units)

Table 114. Europe Monocular Structured Light Camera Sales Quantity by Type (2025-2030) & (K Units)

Table 115. Europe Monocular Structured Light Camera Sales Quantity by Application (2019-2024) & (K Units)

Table 116. Europe Monocular Structured Light Camera Sales Quantity by Application (2025-2030) & (K Units)

Table 117. Europe Monocular Structured Light Camera Sales Quantity by Country



(2019-2024) & (K Units)

Table 118. Europe Monocular Structured Light Camera Sales Quantity by Country (2025-2030) & (K Units)

Table 119. Europe Monocular Structured Light Camera Consumption Value by Country (2019-2024) & (USD Million)

Table 120. Europe Monocular Structured Light Camera Consumption Value by Country (2025-2030) & (USD Million)

Table 121. Asia-Pacific Monocular Structured Light Camera Sales Quantity by Type (2019-2024) & (K Units)

Table 122. Asia-Pacific Monocular Structured Light Camera Sales Quantity by Type (2025-2030) & (K Units)

Table 123. Asia-Pacific Monocular Structured Light Camera Sales Quantity by Application (2019-2024) & (K Units)

Table 124. Asia-Pacific Monocular Structured Light Camera Sales Quantity by Application (2025-2030) & (K Units)

Table 125. Asia-Pacific Monocular Structured Light Camera Sales Quantity by Region (2019-2024) & (K Units)

Table 126. Asia-Pacific Monocular Structured Light Camera Sales Quantity by Region (2025-2030) & (K Units)

Table 127. Asia-Pacific Monocular Structured Light Camera Consumption Value by Region (2019-2024) & (USD Million)

Table 128. Asia-Pacific Monocular Structured Light Camera Consumption Value by Region (2025-2030) & (USD Million)

Table 129. South America Monocular Structured Light Camera Sales Quantity by Type (2019-2024) & (K Units)

Table 130. South America Monocular Structured Light Camera Sales Quantity by Type (2025-2030) & (K Units)

Table 131. South America Monocular Structured Light Camera Sales Quantity by Application (2019-2024) & (K Units)

Table 132. South America Monocular Structured Light Camera Sales Quantity by Application (2025-2030) & (K Units)

Table 133. South America Monocular Structured Light Camera Sales Quantity by Country (2019-2024) & (K Units)

Table 134. South America Monocular Structured Light Camera Sales Quantity by Country (2025-2030) & (K Units)

Table 135. South America Monocular Structured Light Camera Consumption Value by Country (2019-2024) & (USD Million)

Table 136. South America Monocular Structured Light Camera Consumption Value by Country (2025-2030) & (USD Million)



Table 137. Middle East & Africa Monocular Structured Light Camera Sales Quantity by Type (2019-2024) & (K Units)

Table 138. Middle East & Africa Monocular Structured Light Camera Sales Quantity by Type (2025-2030) & (K Units)

Table 139. Middle East & Africa Monocular Structured Light Camera Sales Quantity by Application (2019-2024) & (K Units)

Table 140. Middle East & Africa Monocular Structured Light Camera Sales Quantity by Application (2025-2030) & (K Units)

Table 141. Middle East & Africa Monocular Structured Light Camera Sales Quantity by Region (2019-2024) & (K Units)

Table 142. Middle East & Africa Monocular Structured Light Camera Sales Quantity by Region (2025-2030) & (K Units)

Table 143. Middle East & Africa Monocular Structured Light Camera Consumption Value by Region (2019-2024) & (USD Million)

Table 144. Middle East & Africa Monocular Structured Light Camera Consumption Value by Region (2025-2030) & (USD Million)

Table 145. Monocular Structured Light Camera Raw Material

Table 146. Key Manufacturers of Monocular Structured Light Camera Raw Materials

Table 147. Monocular Structured Light Camera Typical Distributors

Table 148. Monocular Structured Light Camera Typical Customers

#### LIST OF FIGURE

S

Figure 1. Monocular Structured Light Camera Picture

Figure 2. Global Monocular Structured Light Camera Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Figure 3. Global Monocular Structured Light Camera Consumption Value Market Share by Type in 2023

Figure 4. Coaxial Structured Light Camera Examples

Figure 5. Non-coaxial Structured Light Camera Examples

Figure 6. Global Monocular Structured Light Camera Consumption Value by

Application, (USD Million), 2019 & 2023 & 2030

Figure 7. Global Monocular Structured Light Camera Consumption Value Market Share by Application in 2023

Figure 8. Industrial Examples

Figure 9. Film and Television Industry Examples

Figure 10. Consumer Electronics Industry Examples

Figure 11. Others Examples

Figure 12. Global Monocular Structured Light Camera Consumption Value, (USD



Million): 2019 & 2023 & 2030

Figure 13. Global Monocular Structured Light Camera Consumption Value and Forecast (2019-2030) & (USD Million)

Figure 14. Global Monocular Structured Light Camera Sales Quantity (2019-2030) & (K Units)

Figure 15. Global Monocular Structured Light Camera Average Price (2019-2030) & (US\$/Unit)

Figure 16. Global Monocular Structured Light Camera Sales Quantity Market Share by Manufacturer in 2023

Figure 17. Global Monocular Structured Light Camera Consumption Value Market Share by Manufacturer in 2023

Figure 18. Producer Shipments of Monocular Structured Light Camera by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2023

Figure 19. Top 3 Monocular Structured Light Camera Manufacturer (Consumption Value) Market Share in 2023

Figure 20. Top 6 Monocular Structured Light Camera Manufacturer (Consumption Value) Market Share in 2023

Figure 21. Global Monocular Structured Light Camera Sales Quantity Market Share by Region (2019-2030)

Figure 22. Global Monocular Structured Light Camera Consumption Value Market Share by Region (2019-2030)

Figure 23. North America Monocular Structured Light Camera Consumption Value (2019-2030) & (USD Million)

Figure 24. Europe Monocular Structured Light Camera Consumption Value (2019-2030) & (USD Million)

Figure 25. Asia-Pacific Monocular Structured Light Camera Consumption Value (2019-2030) & (USD Million)

Figure 26. South America Monocular Structured Light Camera Consumption Value (2019-2030) & (USD Million)

Figure 27. Middle East & Africa Monocular Structured Light Camera Consumption Value (2019-2030) & (USD Million)

Figure 28. Global Monocular Structured Light Camera Sales Quantity Market Share by Type (2019-2030)

Figure 29. Global Monocular Structured Light Camera Consumption Value Market Share by Type (2019-2030)

Figure 30. Global Monocular Structured Light Camera Average Price by Type (2019-2030) & (US\$/Unit)

Figure 31. Global Monocular Structured Light Camera Sales Quantity Market Share by Application (2019-2030)



Figure 32. Global Monocular Structured Light Camera Consumption Value Market Share by Application (2019-2030)

Figure 33. Global Monocular Structured Light Camera Average Price by Application (2019-2030) & (US\$/Unit)

Figure 34. North America Monocular Structured Light Camera Sales Quantity Market Share by Type (2019-2030)

Figure 35. North America Monocular Structured Light Camera Sales Quantity Market Share by Application (2019-2030)

Figure 36. North America Monocular Structured Light Camera Sales Quantity Market Share by Country (2019-2030)

Figure 37. North America Monocular Structured Light Camera Consumption Value Market Share by Country (2019-2030)

Figure 38. United States Monocular Structured Light Camera Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 39. Canada Monocular Structured Light Camera Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 40. Mexico Monocular Structured Light Camera Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 41. Europe Monocular Structured Light Camera Sales Quantity Market Share by Type (2019-2030)

Figure 42. Europe Monocular Structured Light Camera Sales Quantity Market Share by Application (2019-2030)

Figure 43. Europe Monocular Structured Light Camera Sales Quantity Market Share by Country (2019-2030)

Figure 44. Europe Monocular Structured Light Camera Consumption Value Market Share by Country (2019-2030)

Figure 45. Germany Monocular Structured Light Camera Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 46. France Monocular Structured Light Camera Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 47. United Kingdom Monocular Structured Light Camera Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 48. Russia Monocular Structured Light Camera Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 49. Italy Monocular Structured Light Camera Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 50. Asia-Pacific Monocular Structured Light Camera Sales Quantity Market Share by Type (2019-2030)

Figure 51. Asia-Pacific Monocular Structured Light Camera Sales Quantity Market



Share by Application (2019-2030)

Figure 52. Asia-Pacific Monocular Structured Light Camera Sales Quantity Market Share by Region (2019-2030)

Figure 53. Asia-Pacific Monocular Structured Light Camera Consumption Value Market Share by Region (2019-2030)

Figure 54. China Monocular Structured Light Camera Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 55. Japan Monocular Structured Light Camera Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 56. Korea Monocular Structured Light Camera Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 57. India Monocular Structured Light Camera Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 58. Southeast Asia Monocular Structured Light Camera Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 59. Australia Monocular Structured Light Camera Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 60. South America Monocular Structured Light Camera Sales Quantity Market Share by Type (2019-2030)

Figure 61. South America Monocular Structured Light Camera Sales Quantity Market Share by Application (2019-2030)

Figure 62. South America Monocular Structured Light Camera Sales Quantity Market Share by Country (2019-2030)

Figure 63. South America Monocular Structured Light Camera Consumption Value Market Share by Country (2019-2030)

Figure 64. Brazil Monocular Structured Light Camera Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 65. Argentina Monocular Structured Light Camera Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 66. Middle East & Africa Monocular Structured Light Camera Sales Quantity Market Share by Type (2019-2030)

Figure 67. Middle East & Africa Monocular Structured Light Camera Sales Quantity Market Share by Application (2019-2030)

Figure 68. Middle East & Africa Monocular Structured Light Camera Sales Quantity Market Share by Region (2019-2030)

Figure 69. Middle East & Africa Monocular Structured Light Camera Consumption Value Market Share by Region (2019-2030)

Figure 70. Turkey Monocular Structured Light Camera Consumption Value and Growth Rate (2019-2030) & (USD Million)



Figure 71. Egypt Monocular Structured Light Camera Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 72. Saudi Arabia Monocular Structured Light Camera Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 73. South Africa Monocular Structured Light Camera Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 74. Monocular Structured Light Camera Market Drivers

Figure 75. Monocular Structured Light Camera Market Restraints

Figure 76. Monocular Structured Light Camera Market Trends

Figure 77. Porters Five Forces Analysis

Figure 78. Manufacturing Cost Structure Analysis of Monocular Structured Light Camera in 2023

Figure 79. Manufacturing Process Analysis of Monocular Structured Light Camera

Figure 80. Monocular Structured Light Camera Industrial Chain

Figure 81. Sales Quantity 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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