

Global IoT Machine Vision Systems Market Growth 2025-2031

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Abstracts

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The global IoT Machine Vision Systems market size is predicted to grow from US\$ 16660 million in 2025 to US\$ 32220 million in 2031; it is expected to grow at a CAGR of 11.6% from 2025 to 2031.

IoT machine vision systems are used to automate manufacturing processes and production lines and are valuable for automating inspection and quality control processes. The use of these systems results in higher production yields, lower defect rates, and the delivery of a consistently high-quality product, which is important for customer satisfaction and brand reputation. Beyond industrial manufacturing applications, IoT machine vision technology is being used in medical and dental applications to improve patient care. Medical robots equipped with imaging technology assist surgeons during procedures, IoT machine vision system is also helping to diagnose skin diseases, perform rapid and accurate complete blood counts, and identify tumors from optical analysis of x-rays and other medical imaging sources.

According to our research, the number of global connected IoT devices was about 14 billion, grew by 18% compared to 2021. The data released by the Office of the Central Cyberspace Affairs Commission shows that, by the end of 2022, China has built and opened a total of 2.3 million 5G base stations. 110 cities across the country have reached the gigabit city construction standards. Gigabit optical network has the ability to cover more than 500 million households. IPv6 scale deployment application is deeply promoted. The number of active users exceeds 700 million, mobile network IPv6 traffic accounted for nearly 50%. The total size of China's data center racks exceeds 6.5 million standard racks, with an average annual growth rate of more than 30% in the past

five years. Machine vision will have a faster growth rate with industrial upgrading in the future.

LP Information, Inc. (LPI) ' newest research report, the "IoT Machine Vision Systems Industry Forecast" looks at past sales and reviews total world IoT Machine Vision Systems sales in 2024, providing a comprehensive analysis by region and market sector of projected IoT Machine Vision Systems sales for 2025 through 2031. With IoT Machine Vision Systems sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world IoT Machine Vision Systems industry.

This Insight Report provides a comprehensive analysis of the global IoT Machine Vision Systems landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on IoT Machine Vision Systems portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global IoT Machine Vision Systems market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for IoT Machine Vision Systems and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global IoT Machine Vision Systems.

This report presents a comprehensive overview, market shares, and growth opportunities of IoT Machine Vision Systems market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Discrete Machine Vision System

Integrated Machine Vision System

Segmentation by Application:

Aerospace

Electronics and Semiconductors

Auto Industry

Medical Treatment

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Applied Vision

Cognex

Datalogic

Keyence

Texas Instruments

Imperx

FRAMOS

LMI Technologies

Ifm Group

Advantech

Baumer Optronic

Scorpion Vision

Omron Automation Americas

ISRA VISION

PrimeTest Automation

Radiant Vision Systems

XVisio Technology

Teledyne Technologies

Ponfac

ADLINK Technology

Key Questions Addressed in this Report

What is the 10-year outlook for the global IoT Machine Vision Systems market?

What factors are driving IoT Machine Vision Systems market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do IoT Machine Vision Systems market opportunities vary by end market size?

How does IoT Machine Vision Systems break out by Type, by Application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global IoT Machine Vision Systems Annual Sales 2020-2031
 - 2.1.2 World Current & Future Analysis for IoT Machine Vision Systems by Geographic Region, 2020, 2024 & 2031
 - 2.1.3 World Current & Future Analysis for IoT Machine Vision Systems by Country/Region, 2020, 2024 & 2031
- 2.2 IoT Machine Vision Systems Segment by Type
 - 2.2.1 Discrete Machine Vision System
 - 2.2.2 Integrated Machine Vision System
- 2.3 IoT Machine Vision Systems Sales by Type
 - 2.3.1 Global IoT Machine Vision Systems Sales Market Share by Type (2020-2025)
 - 2.3.2 Global IoT Machine Vision Systems Revenue and Market Share by Type (2020-2025)
 - 2.3.3 Global IoT Machine Vision Systems Sale Price by Type (2020-2025)
- 2.4 IoT Machine Vision Systems Segment by Application
 - 2.4.1 Aerospace
 - 2.4.2 Electronics and Semiconductors
 - 2.4.3 Auto Industry
 - 2.4.4 Medical Treatment
 - 2.4.5 Others
- 2.5 IoT Machine Vision Systems Sales by Application
 - 2.5.1 Global IoT Machine Vision Systems Sale Market Share by Application (2020-2025)
 - 2.5.2 Global IoT Machine Vision Systems Revenue and Market Share by Application

(2020-2025)

2.5.3 Global IoT Machine Vision Systems Sale Price by Application (2020-2025)

3 GLOBAL BY COMPANY

3.1 Global IoT Machine Vision Systems Breakdown Data by Company

3.1.1 Global IoT Machine Vision Systems Annual Sales by Company (2020-2025)

3.1.2 Global IoT Machine Vision Systems Sales Market Share by Company

(2020-2025)

3.2 Global IoT Machine Vision Systems Annual Revenue by Company (2020-2025)

3.2.1 Global IoT Machine Vision Systems Revenue by Company (2020-2025)

3.2.2 Global IoT Machine Vision Systems Revenue Market Share by Company

(2020-2025)

3.3 Global IoT Machine Vision Systems Sale Price by Company

3.4 Key Manufacturers IoT Machine Vision Systems Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers IoT Machine Vision Systems Product Location Distribution

3.4.2 Players IoT Machine Vision Systems Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR IOT MACHINE VISION SYSTEMS BY GEOGRAPHIC REGION

4.1 World Historic IoT Machine Vision Systems Market Size by Geographic Region (2020-2025)

4.1.1 Global IoT Machine Vision Systems Annual Sales by Geographic Region

(2020-2025)

4.1.2 Global IoT Machine Vision Systems Annual Revenue by Geographic Region

(2020-2025)

4.2 World Historic IoT Machine Vision Systems Market Size by Country/Region (2020-2025)

4.2.1 Global IoT Machine Vision Systems Annual Sales by Country/Region

(2020-2025)

4.2.2 Global IoT Machine Vision Systems Annual Revenue by Country/Region

(2020-2025)

- 4.3 Americas IoT Machine Vision Systems Sales Growth
- 4.4 APAC IoT Machine Vision Systems Sales Growth
- 4.5 Europe IoT Machine Vision Systems Sales Growth
- 4.6 Middle East & Africa IoT Machine Vision Systems Sales Growth

5 AMERICAS

- 5.1 Americas IoT Machine Vision Systems Sales by Country
 - 5.1.1 Americas IoT Machine Vision Systems Sales by Country (2020-2025)
 - 5.1.2 Americas IoT Machine Vision Systems Revenue by Country (2020-2025)
- 5.2 Americas IoT Machine Vision Systems Sales by Type (2020-2025)
- 5.3 Americas IoT Machine Vision Systems Sales by Application (2020-2025)
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Brazil

6 APAC

- 6.1 APAC IoT Machine Vision Systems Sales by Region
 - 6.1.1 APAC IoT Machine Vision Systems Sales by Region (2020-2025)
 - 6.1.2 APAC IoT Machine Vision Systems Revenue by Region (2020-2025)
- 6.2 APAC IoT Machine Vision Systems Sales by Type (2020-2025)
- 6.3 APAC IoT Machine Vision Systems Sales by Application (2020-2025)
- 6.4 China
- 6.5 Japan
- 6.6 South Korea
- 6.7 Southeast Asia
- 6.8 India
- 6.9 Australia
- 6.10 China Taiwan

7 EUROPE

- 7.1 Europe IoT Machine Vision Systems by Country
 - 7.1.1 Europe IoT Machine Vision Systems Sales by Country (2020-2025)
 - 7.1.2 Europe IoT Machine Vision Systems Revenue by Country (2020-2025)
- 7.2 Europe IoT Machine Vision Systems Sales by Type (2020-2025)
- 7.3 Europe IoT Machine Vision Systems Sales by Application (2020-2025)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa IoT Machine Vision Systems by Country

8.1.1 Middle East & Africa IoT Machine Vision Systems Sales by Country (2020-2025)

8.1.2 Middle East & Africa IoT Machine Vision Systems Revenue by Country
(2020-2025)

8.2 Middle East & Africa IoT Machine Vision Systems Sales by Type (2020-2025)

8.3 Middle East & Africa IoT Machine Vision Systems Sales by Application (2020-2025)

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of IoT Machine Vision Systems

10.3 Manufacturing Process Analysis of IoT Machine Vision Systems

10.4 Industry Chain Structure of IoT Machine Vision Systems

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 IoT Machine Vision Systems Distributors

11.3 IoT Machine Vision Systems Customer

12 WORLD FORECAST REVIEW FOR IOT MACHINE VISION SYSTEMS BY GEOGRAPHIC REGION

12.1 Global IoT Machine Vision Systems Market Size Forecast by Region

12.1.1 Global IoT Machine Vision Systems Forecast by Region (2026-2031)

12.1.2 Global IoT Machine Vision Systems Annual Revenue Forecast by Region (2026-2031)

12.2 Americas Forecast by Country (2026-2031)

12.3 APAC Forecast by Region (2026-2031)

12.4 Europe Forecast by Country (2026-2031)

12.5 Middle East & Africa Forecast by Country (2026-2031)

12.6 Global IoT Machine Vision Systems Forecast by Type (2026-2031)

12.7 Global IoT Machine Vision Systems Forecast by Application (2026-2031)

13 KEY PLAYERS ANALYSIS

13.1 Applied Vision

13.1.1 Applied Vision Company Information

13.1.2 Applied Vision IoT Machine Vision Systems Product Portfolios and Specifications

13.1.3 Applied Vision IoT Machine Vision Systems Sales, Revenue, Price and Gross Margin (2020-2025)

13.1.4 Applied Vision Main Business Overview

13.1.5 Applied Vision Latest Developments

13.2 Cognex

13.2.1 Cognex Company Information

13.2.2 Cognex IoT Machine Vision Systems Product Portfolios and Specifications

13.2.3 Cognex IoT Machine Vision Systems Sales, Revenue, Price and Gross Margin (2020-2025)

13.2.4 Cognex Main Business Overview

13.2.5 Cognex Latest Developments

13.3 Datalogic

13.3.1 Datalogic Company Information

13.3.2 Datalogic IoT Machine Vision Systems Product Portfolios and Specifications

13.3.3 Datalogic IoT Machine Vision Systems Sales, Revenue, Price and Gross Margin (2020-2025)

13.3.4 Datalogic Main Business Overview

- 13.3.5 Datalogic Latest Developments
- 13.4 Keyence
 - 13.4.1 Keyence Company Information
 - 13.4.2 Keyence IoT Machine Vision Systems Product Portfolios and Specifications
 - 13.4.3 Keyence IoT Machine Vision Systems Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.4.4 Keyence Main Business Overview
 - 13.4.5 Keyence Latest Developments
- 13.5 Texas Instruments
 - 13.5.1 Texas Instruments Company Information
 - 13.5.2 Texas Instruments IoT Machine Vision Systems Product Portfolios and Specifications
 - 13.5.3 Texas Instruments IoT Machine Vision Systems Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.5.4 Texas Instruments Main Business Overview
 - 13.5.5 Texas Instruments Latest Developments
- 13.6 Imperx
 - 13.6.1 Imperx Company Information
 - 13.6.2 Imperx IoT Machine Vision Systems Product Portfolios and Specifications
 - 13.6.3 Imperx IoT Machine Vision Systems Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.6.4 Imperx Main Business Overview
 - 13.6.5 Imperx Latest Developments
- 13.7 FRAMOS
 - 13.7.1 FRAMOS Company Information
 - 13.7.2 FRAMOS IoT Machine Vision Systems Product Portfolios and Specifications
 - 13.7.3 FRAMOS IoT Machine Vision Systems Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.7.4 FRAMOS Main Business Overview
 - 13.7.5 FRAMOS Latest Developments
- 13.8 LMI Technologies
 - 13.8.1 LMI Technologies Company Information
 - 13.8.2 LMI Technologies IoT Machine Vision Systems Product Portfolios and Specifications
 - 13.8.3 LMI Technologies IoT Machine Vision Systems Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.8.4 LMI Technologies Main Business Overview
 - 13.8.5 LMI Technologies Latest Developments
- 13.9 Ifm Group

- 13.9.1 Ifm Group Company Information
- 13.9.2 Ifm Group IoT Machine Vision Systems Product Portfolios and Specifications
- 13.9.3 Ifm Group IoT Machine Vision Systems Sales, Revenue, Price and Gross Margin (2020-2025)
- 13.9.4 Ifm Group Main Business Overview
- 13.9.5 Ifm Group Latest Developments
- 13.10 Advantech
 - 13.10.1 Advantech Company Information
 - 13.10.2 Advantech IoT Machine Vision Systems Product Portfolios and Specifications
 - 13.10.3 Advantech IoT Machine Vision Systems Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.10.4 Advantech Main Business Overview
 - 13.10.5 Advantech Latest Developments
- 13.11 Baumer Optronic
 - 13.11.1 Baumer Optronic Company Information
 - 13.11.2 Baumer Optronic IoT Machine Vision Systems Product Portfolios and Specifications
 - 13.11.3 Baumer Optronic IoT Machine Vision Systems Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.11.4 Baumer Optronic Main Business Overview
 - 13.11.5 Baumer Optronic Latest Developments
- 13.12 Scorpion Vision
 - 13.12.1 Scorpion Vision Company Information
 - 13.12.2 Scorpion Vision IoT Machine Vision Systems Product Portfolios and Specifications
 - 13.12.3 Scorpion Vision IoT Machine Vision Systems Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.12.4 Scorpion Vision Main Business Overview
 - 13.12.5 Scorpion Vision Latest Developments
- 13.13 Omron Automation Americas
 - 13.13.1 Omron Automation Americas Company Information
 - 13.13.2 Omron Automation Americas IoT Machine Vision Systems Product Portfolios and Specifications
 - 13.13.3 Omron Automation Americas IoT Machine Vision Systems Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.13.4 Omron Automation Americas Main Business Overview
 - 13.13.5 Omron Automation Americas Latest Developments
- 13.14 ISRA VISION
 - 13.14.1 ISRA VISION Company Information

13.14.2 ISRA VISION IoT Machine Vision Systems Product Portfolios and Specifications

13.14.3 ISRA VISION IoT Machine Vision Systems Sales, Revenue, Price and Gross Margin (2020-2025)

13.14.4 ISRA VISION Main Business Overview

13.14.5 ISRA VISION Latest Developments

13.15 PrimeTest Automation

13.15.1 PrimeTest Automation Company Information

13.15.2 PrimeTest Automation IoT Machine Vision Systems Product Portfolios and Specifications

13.15.3 PrimeTest Automation IoT Machine Vision Systems Sales, Revenue, Price and Gross Margin (2020-2025)

13.15.4 PrimeTest Automation Main Business Overview

13.15.5 PrimeTest Automation Latest Developments

13.16 Radiant Vision Systems

13.16.1 Radiant Vision Systems Company Information

13.16.2 Radiant Vision Systems IoT Machine Vision Systems Product Portfolios and Specifications

13.16.3 Radiant Vision Systems IoT Machine Vision Systems Sales, Revenue, Price and Gross Margin (2020-2025)

13.16.4 Radiant Vision Systems Main Business Overview

13.16.5 Radiant Vision Systems Latest Developments

13.17 XVisio Technology

13.17.1 XVisio Technology Company Information

13.17.2 XVisio Technology IoT Machine Vision Systems Product Portfolios and Specifications

13.17.3 XVisio Technology IoT Machine Vision Systems Sales, Revenue, Price and Gross Margin (2020-2025)

13.17.4 XVisio Technology Main Business Overview

13.17.5 XVisio Technology Latest Developments

13.18 Teledyne Technologies

13.18.1 Teledyne Technologies Company Information

13.18.2 Teledyne Technologies IoT Machine Vision Systems Product Portfolios and Specifications

13.18.3 Teledyne Technologies IoT Machine Vision Systems Sales, Revenue, Price and Gross Margin (2020-2025)

13.18.4 Teledyne Technologies Main Business Overview

13.18.5 Teledyne Technologies Latest Developments

13.19 Ponfac

- 13.19.1 Ponfac Company Information
- 13.19.2 Ponfac IoT Machine Vision Systems Product Portfolios and Specifications
- 13.19.3 Ponfac IoT Machine Vision Systems Sales, Revenue, Price and Gross Margin (2020-2025)
- 13.19.4 Ponfac Main Business Overview
- 13.19.5 Ponfac Latest Developments
- 13.20 ADLINK Technology
 - 13.20.1 ADLINK Technology Company Information
 - 13.20.2 ADLINK Technology IoT Machine Vision Systems Product Portfolios and Specifications
 - 13.20.3 ADLINK Technology IoT Machine Vision Systems Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.20.4 ADLINK Technology Main Business Overview
 - 13.20.5 ADLINK Technology Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. IoT Machine Vision Systems Annual Sales CAGR by Geographic Region (2020, 2024 & 2031) & (\$ millions)

Table 2. IoT Machine Vision Systems Annual Sales CAGR by Country/Region (2020, 2024 & 2031) & (\$ millions)

Table 3. Major Players of Discrete Machine Vision System

Table 4. Major Players of Integrated Machine Vision System

Table 5. Global IoT Machine Vision Systems Sales by Type (2020-2025) & (Units)

Table 6. Global IoT Machine Vision Systems Sales Market Share by Type (2020-2025)

Table 7. Global IoT Machine Vision Systems Revenue by Type (2020-2025) & (\$ million)

Table 8. Global IoT Machine Vision Systems Revenue Market Share by Type (2020-2025)

Table 9. Global IoT Machine Vision Systems Sale Price by Type (2020-2025) & (K USD/Unit)

Table 10. Global IoT Machine Vision Systems Sale by Application (2020-2025) & (Units)

Table 11. Global IoT Machine Vision Systems Sale Market Share by Application (2020-2025)

Table 12. Global IoT Machine Vision Systems Revenue by Application (2020-2025) & (\$ million)

Table 13. Global IoT Machine Vision Systems Revenue Market Share by Application (2020-2025)

Table 14. Global IoT Machine Vision Systems Sale Price by Application (2020-2025) & (K USD/Unit)

Table 15. Global IoT Machine Vision Systems Sales by Company (2020-2025) & (Units)

Table 16. Global IoT Machine Vision Systems Sales Market Share by Company (2020-2025)

Table 17. Global IoT Machine Vision Systems Revenue by Company (2020-2025) & (\$ millions)

Table 18. Global IoT Machine Vision Systems Revenue Market Share by Company (2020-2025)

Table 19. Global IoT Machine Vision Systems Sale Price by Company (2020-2025) & (K USD/Unit)

Table 20. Key Manufacturers IoT Machine Vision Systems Producing Area Distribution and Sales Area

Table 21. Players IoT Machine Vision Systems Products Offered

Table 22. IoT Machine Vision Systems Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)

Table 23. New Products and Potential Entrants

Table 24. Market M&A Activity & Strategy

Table 25. Global IoT Machine Vision Systems Sales by Geographic Region (2020-2025) & (Units)

Table 26. Global IoT Machine Vision Systems Sales Market Share Geographic Region (2020-2025)

Table 27. Global IoT Machine Vision Systems Revenue by Geographic Region (2020-2025) & (\$ millions)

Table 28. Global IoT Machine Vision Systems Revenue Market Share by Geographic Region (2020-2025)

Table 29. Global IoT Machine Vision Systems Sales by Country/Region (2020-2025) & (Units)

Table 30. Global IoT Machine Vision Systems Sales Market Share by Country/Region (2020-2025)

Table 31. Global IoT Machine Vision Systems Revenue by Country/Region (2020-2025) & (\$ millions)

Table 32. Global IoT Machine Vision Systems Revenue Market Share by Country/Region (2020-2025)

Table 33. Americas IoT Machine Vision Systems Sales by Country (2020-2025) & (Units)

Table 34. Americas IoT Machine Vision Systems Sales Market Share by Country (2020-2025)

Table 35. Americas IoT Machine Vision Systems Revenue by Country (2020-2025) & (\$ millions)

Table 36. Americas IoT Machine Vision Systems Sales by Type (2020-2025) & (Units)

Table 37. Americas IoT Machine Vision Systems Sales by Application (2020-2025) & (Units)

Table 38. APAC IoT Machine Vision Systems Sales by Region (2020-2025) & (Units)

Table 39. APAC IoT Machine Vision Systems Sales Market Share by Region (2020-2025)

Table 40. APAC IoT Machine Vision Systems Revenue by Region (2020-2025) & (\$ millions)

Table 41. APAC IoT Machine Vision Systems Sales by Type (2020-2025) & (Units)

Table 42. APAC IoT Machine Vision Systems Sales by Application (2020-2025) & (Units)

Table 43. Europe IoT Machine Vision Systems Sales by Country (2020-2025) & (Units)

Table 44. Europe IoT Machine Vision Systems Revenue by Country (2020-2025) & (\$

millions)

Table 45. Europe IoT Machine Vision Systems Sales by Type (2020-2025) & (Units)

Table 46. Europe IoT Machine Vision Systems Sales by Application (2020-2025) & (Units)

Table 47. Middle East & Africa IoT Machine Vision Systems Sales by Country (2020-2025) & (Units)

Table 48. Middle East & Africa IoT Machine Vision Systems Revenue Market Share by Country (2020-2025)

Table 49. Middle East & Africa IoT Machine Vision Systems Sales by Type (2020-2025) & (Units)

Table 50. Middle East & Africa IoT Machine Vision Systems Sales by Application (2020-2025) & (Units)

Table 51. Key Market Drivers & Growth Opportunities of IoT Machine Vision Systems

Table 52. Key Market Challenges & Risks of IoT Machine Vision Systems

Table 53. Key Industry Trends of IoT Machine Vision Systems

Table 54. IoT Machine Vision Systems Raw Material

Table 55. Key Suppliers of Raw Materials

Table 56. IoT Machine Vision Systems Distributors List

Table 57. IoT Machine Vision Systems Customer List

Table 58. Global IoT Machine Vision Systems Sales Forecast by Region (2026-2031) & (Units)

Table 59. Global IoT Machine Vision Systems Revenue Forecast by Region (2026-2031) & (\$ millions)

Table 60. Americas IoT Machine Vision Systems Sales Forecast by Country (2026-2031) & (Units)

Table 61. Americas IoT Machine Vision Systems Annual Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 62. APAC IoT Machine Vision Systems Sales Forecast by Region (2026-2031) & (Units)

Table 63. APAC IoT Machine Vision Systems Annual Revenue Forecast by Region (2026-2031) & (\$ millions)

Table 64. Europe IoT Machine Vision Systems Sales Forecast by Country (2026-2031) & (Units)

Table 65. Europe IoT Machine Vision Systems Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 66. Middle East & Africa IoT Machine Vision Systems Sales Forecast by Country (2026-2031) & (Units)

Table 67. Middle East & Africa IoT Machine Vision Systems Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 68. Global IoT Machine Vision Systems Sales Forecast by Type (2026-2031) & (Units)

Table 69. Global IoT Machine Vision Systems Revenue Forecast by Type (2026-2031) & (\$ millions)

Table 70. Global IoT Machine Vision Systems Sales Forecast by Application (2026-2031) & (Units)

Table 71. Global IoT Machine Vision Systems Revenue Forecast by Application (2026-2031) & (\$ millions)

Table 72. Applied Vision Basic Information, IoT Machine Vision Systems Manufacturing Base, Sales Area and Its Competitors

Table 73. Applied Vision IoT Machine Vision Systems Product Portfolios and Specifications

Table 74. Applied Vision IoT Machine Vision Systems Sales (Units), Revenue (\$ Million), Price (K USD/Unit) and Gross Margin (2020-2025)

Table 75. Applied Vision Main Business

Table 76. Applied Vision Latest Developments

Table 77. Cognex Basic Information, IoT Machine Vision Systems Manufacturing Base, Sales Area and Its Competitors

Table 78. Cognex IoT Machine Vision Systems Product Portfolios and Specifications

Table 79. Cognex IoT Machine Vision Systems Sales (Units), Revenue (\$ Million), Price (K USD/Unit) and Gross Margin (2020-2025)

Table 80. Cognex Main Business

Table 81. Cognex Latest Developments

Table 82. Datalogic Basic Information, IoT Machine Vision Systems Manufacturing Base, Sales Area and Its Competitors

Table 83. Datalogic IoT Machine Vision Systems Product Portfolios and Specifications

Table 84. Datalogic IoT Machine Vision Systems Sales (Units), Revenue (\$ Million), Price (K USD/Unit) and Gross Margin (2020-2025)

Table 85. Datalogic Main Business

Table 86. Datalogic Latest Developments

Table 87. Keyence Basic Information, IoT Machine Vision Systems Manufacturing Base, Sales Area and Its Competitors

Table 88. Keyence IoT Machine Vision Systems Product Portfolios and Specifications

Table 89. Keyence IoT Machine Vision Systems Sales (Units), Revenue (\$ Million), Price (K USD/Unit) and Gross Margin (2020-2025)

Table 90. Keyence Main Business

Table 91. Keyence Latest Developments

Table 92. Texas Instruments Basic Information, IoT Machine Vision Systems Manufacturing Base, Sales Area and Its Competitors

Table 93. Texas Instruments IoT Machine Vision Systems Product Portfolios and Specifications

Table 94. Texas Instruments IoT Machine Vision Systems Sales (Units), Revenue (\$ Million), Price (K USD/Unit) and Gross Margin (2020-2025)

Table 95. Texas Instruments Main Business

Table 96. Texas Instruments Latest Developments

Table 97. Imperx Basic Information, IoT Machine Vision Systems Manufacturing Base, Sales Area and Its Competitors

Table 98. Imperx IoT Machine Vision Systems Product Portfolios and Specifications

Table 99. Imperx IoT Machine Vision Systems Sales (Units), Revenue (\$ Million), Price (K USD/Unit) and Gross Margin (2020-2025)

Table 100. Imperx Main Business

Table 101. Imperx Latest Developments

Table 102. FRAMOS Basic Information, IoT Machine Vision Systems Manufacturing Base, Sales Area and Its Competitors

Table 103. FRAMOS IoT Machine Vision Systems Product Portfolios and Specifications

Table 104. FRAMOS IoT Machine Vision Systems Sales (Units), Revenue (\$ Million), Price (K USD/Unit) and Gross Margin (2020-2025)

Table 105. FRAMOS Main Business

Table 106. FRAMOS Latest Developments

Table 107. LMI Technologies Basic Information, IoT Machine Vision Systems Manufacturing Base, Sales Area and Its Competitors

Table 108. LMI Technologies IoT Machine Vision Systems Product Portfolios and Specifications

Table 109. LMI Technologies IoT Machine Vision Systems Sales (Units), Revenue (\$ Million), Price (K USD/Unit) and Gross Margin (2020-2025)

Table 110. LMI Technologies Main Business

Table 111. LMI Technologies Latest Developments

Table 112. Ifm Group Basic Information, IoT Machine Vision Systems Manufacturing Base, Sales Area and Its Competitors

Table 113. Ifm Group IoT Machine Vision Systems Product Portfolios and Specifications

Table 114. Ifm Group IoT Machine Vision Systems Sales (Units), Revenue (\$ Million), Price (K USD/Unit) and Gross Margin (2020-2025)

Table 115. Ifm Group Main Business

Table 116. Ifm Group Latest Developments

Table 117. Advantech Basic Information, IoT Machine Vision Systems Manufacturing Base, Sales Area and Its Competitors

Table 118. Advantech IoT Machine Vision Systems Product Portfolios and Specifications

Table 119. Advantech IoT Machine Vision Systems Sales (Units), Revenue (\$ Million), Price (K USD/Unit) and Gross Margin (2020-2025)

Table 120. Advantech Main Business

Table 121. Advantech Latest Developments

Table 122. Baumer Optronic Basic Information, IoT Machine Vision Systems Manufacturing Base, Sales Area and Its Competitors

Table 123. Baumer Optronic IoT Machine Vision Systems Product Portfolios and Specifications

Table 124. Baumer Optronic IoT Machine Vision Systems Sales (Units), Revenue (\$ Million), Price (K USD/Unit) and Gross Margin (2020-2025)

Table 125. Baumer Optronic Main Business

Table 126. Baumer Optronic Latest Developments

Table 127. Scorpion Vision Basic Information, IoT Machine Vision Systems Manufacturing Base, Sales Area and Its Competitors

Table 128. Scorpion Vision IoT Machine Vision Systems Product Portfolios and Specifications

Table 129. Scorpion Vision IoT Machine Vision Systems Sales (Units), Revenue (\$ Million), Price (K USD/Unit) and Gross Margin (2020-2025)

Table 130. Scorpion Vision Main Business

Table 131. Scorpion Vision Latest Developments

Table 132. Omron Automation Americas Basic Information, IoT Machine Vision Systems Manufacturing Base, Sales Area and Its Competitors

Table 133. Omron Automation Americas IoT Machine Vision Systems Product Portfolios and Specifications

Table 134. Omron Automation Americas IoT Machine Vision Systems Sales (Units), Revenue (\$ Million), Price (K USD/Unit) and Gross Margin (2020-2025)

Table 135. Omron Automation Americas Main Business

Table 136. Omron Automation Americas Latest Developments

Table 137. ISRA VISION Basic Information, IoT Machine Vision Systems Manufacturing Base, Sales Area and Its Competitors

Table 138. ISRA VISION IoT Machine Vision Systems Product Portfolios and Specifications

Table 139. ISRA VISION IoT Machine Vision Systems Sales (Units), Revenue (\$ Million), Price (K USD/Unit) and Gross Margin (2020-2025)

Table 140. ISRA VISION Main Business

Table 141. ISRA VISION Latest Developments

Table 142. PrimeTest Automation Basic Information, IoT Machine Vision Systems Manufacturing Base, Sales Area and Its Competitors

Table 143. PrimeTest Automation IoT Machine Vision Systems Product Portfolios and

Specifications

Table 144. PrimeTest Automation IoT Machine Vision Systems Sales (Units), Revenue (\$ Million), Price (K USD/Unit) and Gross Margin (2020-2025)

Table 145. PrimeTest Automation Main Business

Table 146. PrimeTest Automation Latest Developments

Table 147. Radiant Vision Systems Basic Information, IoT Machine Vision Systems Manufacturing Base, Sales Area and Its Competitors

Table 148. Radiant Vision Systems IoT Machine Vision Systems Product Portfolios and Specifications

Table 149. Radiant Vision Systems IoT Machine Vision Systems Sales (Units), Revenue (\$ Million), Price (K USD/Unit) and Gross Margin (2020-2025)

Table 150. Radiant Vision Systems Main Business

Table 151. Radiant Vision Systems Latest Developments

Table 152. XVisio Technology Basic Information, IoT Machine Vision Systems Manufacturing Base, Sales Area and Its Competitors

Table 153. XVisio Technology IoT Machine Vision Systems Product Portfolios and Specifications

Table 154. XVisio Technology IoT Machine Vision Systems Sales (Units), Revenue (\$ Million), Price (K USD/Unit) and Gross Margin (2020-2025)

Table 155. XVisio Technology Main Business

Table 156. XVisio Technology Latest Developments

Table 157. Teledyne Technologies Basic Information, IoT Machine Vision Systems Manufacturing Base, Sales Area and Its Competitors

Table 158. Teledyne Technologies IoT Machine Vision Systems Product Portfolios and Specifications

Table 159. Teledyne Technologies IoT Machine Vision Systems Sales (Units), Revenue (\$ Million), Price (K USD/Unit) and Gross Margin (2020-2025)

Table 160. Teledyne Technologies Main Business

Table 161. Teledyne Technologies Latest Developments

Table 162. Ponfac Basic Information, IoT Machine Vision Systems Manufacturing Base, Sales Area and Its Competitors

Table 163. Ponfac IoT Machine Vision Systems Product Portfolios and Specifications

Table 164. Ponfac IoT Machine Vision Systems Sales (Units), Revenue (\$ Million), Price (K USD/Unit) and Gross Margin (2020-2025)

Table 165. Ponfac Main Business

Table 166. Ponfac Latest Developments

Table 167. ADLINK Technology Basic Information, IoT Machine Vision Systems Manufacturing Base, Sales Area and Its Competitors

Table 168. ADLINK Technology IoT Machine Vision Systems Product Portfolios and

Specifications

Table 169. ADLINK Technology IoT Machine Vision Systems Sales (Units), Revenue (\$ Million), Price (K USD/Unit) and Gross Margin (2020-2025)

Table 170. ADLINK Technology Main Business

Table 171. ADLINK Technology Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of IoT Machine Vision Systems
- Figure 2. IoT Machine Vision Systems Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global IoT Machine Vision Systems Sales Growth Rate 2020-2031 (Units)
- Figure 7. Global IoT Machine Vision Systems Revenue Growth Rate 2020-2031 (\$ millions)
- Figure 8. IoT Machine Vision Systems Sales by Geographic Region (2020, 2024 & 2031) & (\$ millions)
- Figure 9. IoT Machine Vision Systems Sales Market Share by Country/Region (2024)
- Figure 10. IoT Machine Vision Systems Sales Market Share by Country/Region (2020, 2024 & 2031)
- Figure 11. Product Picture of Discrete Machine Vision System
- Figure 12. Product Picture of Integrated Machine Vision System
- Figure 13. Global IoT Machine Vision Systems Sales Market Share by Type in 2025
- Figure 14. Global IoT Machine Vision Systems Revenue Market Share by Type (2020-2025)
- Figure 15. IoT Machine Vision Systems Consumed in Aerospace
- Figure 16. Global IoT Machine Vision Systems Market: Aerospace (2020-2025) & (Units)
- Figure 17. IoT Machine Vision Systems Consumed in Electronics and Semiconductors
- Figure 18. Global IoT Machine Vision Systems Market: Electronics and Semiconductors (2020-2025) & (Units)
- Figure 19. IoT Machine Vision Systems Consumed in Auto Industry
- Figure 20. Global IoT Machine Vision Systems Market: Auto Industry (2020-2025) & (Units)
- Figure 21. IoT Machine Vision Systems Consumed in Medical Treatment
- Figure 22. Global IoT Machine Vision Systems Market: Medical Treatment (2020-2025) & (Units)
- Figure 23. IoT Machine Vision Systems Consumed in Others
- Figure 24. Global IoT Machine Vision Systems Market: Others (2020-2025) & (Units)
- Figure 25. Global IoT Machine Vision Systems Sale Market Share by Application (2024)
- Figure 26. Global IoT Machine Vision Systems Revenue Market Share by Application in 2025

Figure 27. IoT Machine Vision Systems Sales by Company in 2025 (Units)

Figure 28. Global IoT Machine Vision Systems Sales Market Share by Company in 2025

Figure 29. IoT Machine Vision Systems Revenue by Company in 2025 (\$ millions)

Figure 30. Global IoT Machine Vision Systems Revenue Market Share by Company in 2025

Figure 31. Global IoT Machine Vision Systems Sales Market Share by Geographic Region (2020-2025)

Figure 32. Global IoT Machine Vision Systems Revenue Market Share by Geographic Region in 2025

Figure 33. Americas IoT Machine Vision Systems Sales 2020-2025 (Units)

Figure 34. Americas IoT Machine Vision Systems Revenue 2020-2025 (\$ millions)

Figure 35. APAC IoT Machine Vision Systems Sales 2020-2025 (Units)

Figure 36. APAC IoT Machine Vision Systems Revenue 2020-2025 (\$ millions)

Figure 37. Europe IoT Machine Vision Systems Sales 2020-2025 (Units)

Figure 38. Europe IoT Machine Vision Systems Revenue 2020-2025 (\$ millions)

Figure 39. Middle East & Africa IoT Machine Vision Systems Sales 2020-2025 (Units)

Figure 40. Middle East & Africa IoT Machine Vision Systems Revenue 2020-2025 (\$ millions)

Figure 41. Americas IoT Machine Vision Systems Sales Market Share by Country in 2025

Figure 42. Americas IoT Machine Vision Systems Revenue Market Share by Country (2020-2025)

Figure 43. Americas IoT Machine Vision Systems Sales Market Share by Type (2020-2025)

Figure 44. Americas IoT Machine Vision Systems Sales Market Share by Application (2020-2025)

Figure 45. United States IoT Machine Vision Systems Revenue Growth 2020-2025 (\$ millions)

Figure 46. Canada IoT Machine Vision Systems Revenue Growth 2020-2025 (\$ millions)

Figure 47. Mexico IoT Machine Vision Systems Revenue Growth 2020-2025 (\$ millions)

Figure 48. Brazil IoT Machine Vision Systems Revenue Growth 2020-2025 (\$ millions)

Figure 49. APAC IoT Machine Vision Systems Sales Market Share by Region in 2025

Figure 50. APAC IoT Machine Vision Systems Revenue Market Share by Region (2020-2025)

Figure 51. APAC IoT Machine Vision Systems Sales Market Share by Type (2020-2025)

Figure 52. APAC IoT Machine Vision Systems Sales Market Share by Application

(2020-2025)

Figure 53. China IoT Machine Vision Systems Revenue Growth 2020-2025 (\$ millions)

Figure 54. Japan IoT Machine Vision Systems Revenue Growth 2020-2025 (\$ millions)

Figure 55. South Korea IoT Machine Vision Systems Revenue Growth 2020-2025 (\$ millions)

Figure 56. Southeast Asia IoT Machine Vision Systems Revenue Growth 2020-2025 (\$ millions)

Figure 57. India IoT Machine Vision Systems Revenue Growth 2020-2025 (\$ millions)

Figure 58. Australia IoT Machine Vision Systems Revenue Growth 2020-2025 (\$ millions)

Figure 59. China Taiwan IoT Machine Vision Systems Revenue Growth 2020-2025 (\$ millions)

Figure 60. Europe IoT Machine Vision Systems Sales Market Share by Country in 2025

Figure 61. Europe IoT Machine Vision Systems Revenue Market Share by Country (2020-2025)

Figure 62. Europe IoT Machine Vision Systems Sales Market Share by Type (2020-2025)

Figure 63. Europe IoT Machine Vision Systems Sales Market Share by Application (2020-2025)

Figure 64. Germany IoT Machine Vision Systems Revenue Growth 2020-2025 (\$ millions)

Figure 65. France IoT Machine Vision Systems Revenue Growth 2020-2025 (\$ millions)

Figure 66. UK IoT Machine Vision Systems Revenue Growth 2020-2025 (\$ millions)

Figure 67. Italy IoT Machine Vision Systems Revenue Growth 2020-2025 (\$ millions)

Figure 68. Russia IoT Machine Vision Systems Revenue Growth 2020-2025 (\$ millions)

Figure 69. Middle East & Africa IoT Machine Vision Systems Sales Market Share by Country (2020-2025)

Figure 70. Middle East & Africa IoT Machine Vision Systems Sales Market Share by Type (2020-2025)

Figure 71. Middle East & Africa IoT Machine Vision Systems Sales Market Share by Application (2020-2025)

Figure 72. Egypt IoT Machine Vision Systems Revenue Growth 2020-2025 (\$ millions)

Figure 73. South Africa IoT Machine Vision Systems Revenue Growth 2020-2025 (\$ millions)

Figure 74. Israel IoT Machine Vision Systems Revenue Growth 2020-2025 (\$ millions)

Figure 75. Turkey IoT Machine Vision Systems Revenue Growth 2020-2025 (\$ millions)

Figure 76. GCC Countries IoT Machine Vision Systems Revenue Growth 2020-2025 (\$ millions)

Figure 77. Manufacturing Cost Structure Analysis of IoT Machine Vision Systems in

2025

Figure 78. Manufacturing Process Analysis of IoT Machine Vision Systems

Figure 79. Industry Chain Structure of IoT Machine Vision Systems

Figure 80. Channels of Distribution

Figure 81. Global IoT Machine Vision Systems Sales Market Forecast by Region (2026-2031)

Figure 82. Global IoT Machine Vision Systems Revenue Market Share Forecast by Region (2026-2031)

Figure 83. Global IoT Machine Vision Systems Sales Market Share Forecast by Type (2026-2031)

Figure 84. Global IoT Machine Vision Systems Revenue Market Share Forecast by Type (2026-2031)

Figure 85. Global IoT Machine Vision Systems Sales Market Share Forecast by Application (2026-2031)

Figure 86. Global IoT Machine Vision Systems Revenue Market Share Forecast by Application (2026-2031)

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