

Global CMOS-based Industrial Camera Market Growth 2026-2032

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Abstracts

The global CMOS-based Industrial Camera market size is predicted to grow from US\$ 1100 million in 2025 to US\$ 2028 million in 2032; it is expected to grow at a CAGR of 9.3% from 2026 to 2032.

A CMOS-based industrial camera is a high-performance imaging device that uses a CMOS (Complementary Metal-Oxide-Semiconductor) sensor for capturing images in industrial applications. These cameras are known for their high speed, low power consumption, and excellent image quality. They are widely used in areas such as machine vision, automation, quality inspection, robotics, and medical imaging, where precision and reliability are critical. CMOS technology enables rapid image processing and adaptability to various lighting conditions, making it ideal for industrial environments.

United States market for CMOS-based Industrial Camera is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for CMOS-based Industrial Camera is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for CMOS-based Industrial Camera is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key CMOS-based Industrial Camera players cover Basler, Teledyne, Baumer, Cognex, Toshiba Teli, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the "CMOS-based Industrial Camera Industry Forecast" looks at past sales and reviews total world CMOS-based Industrial Camera sales in 2025, providing a comprehensive analysis by region and market sector of projected CMOS-based Industrial Camera sales for 2026 through 2032. With CMOS-based Industrial Camera sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world CMOS-based Industrial Camera industry.

This Insight Report provides a comprehensive analysis of the global CMOS-based Industrial Camera 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 CMOS-based Industrial Camera portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global CMOS-based Industrial Camera market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for CMOS-based Industrial Camera 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 CMOS-based Industrial Camera.

This report presents a comprehensive overview, market shares, and growth opportunities of CMOS-based Industrial Camera market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Area Scan Camera

Line Scan Camera

Segmentation by Application:

Manufacturing

Medical and Life Sciences

Security and Surveillance

Intelligent Transportation System (ITS)

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.

Basler

Teledyne

Baumer

Cognex

Toshiba Teli

Sony

Hikvision

Huarui Technology

Jai

Daheng Image

Omron

National Instruments

CIS Corporation

TKH Group

Keyence

ADLINK Technology

OPT

LUSTER LIGHTTECH

Hait Vision

Vieworks

Mindview

Eco Optoelectronics

Key Questions Addressed in this Report

What is the 10-year outlook for the global CMOS-based Industrial Camera market?

What factors are driving CMOS-based Industrial Camera market growth, globally and by region?

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

How do CMOS-based Industrial Camera market opportunities vary by end market size?

How does CMOS-based Industrial Camera 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 CMOS-based Industrial Camera Annual Sales 2021-2032
 - 2.1.2 World Current & Future Analysis for CMOS-based Industrial Camera by Geographic Region, 2021, 2025 & 2032
 - 2.1.3 World Current & Future Analysis for CMOS-based Industrial Camera by Country/Region, 2021, 2025 & 2032
- 2.2 CMOS-based Industrial Camera Segment by Type
 - 2.2.1 Area Scan Camera
 - 2.2.2 Line Scan Camera
 - 2.2.3 CMOS-based Industrial Camera Sales by Type
 - 2.2.3.1 Global CMOS-based Industrial Camera Sales Market Share by Type (2021-2026)
 - 2.2.3.2 Global CMOS-based Industrial Camera Revenue and Market Share by Type (2021-2026)
 - 2.2.3.3 Global CMOS-based Industrial Camera Sale Price by Type (2021-2026)
- 2.3 CMOS-based Industrial Camera Segment by Application
 - 2.3.1 Manufacturing
 - 2.3.2 Medical and Life Sciences
 - 2.3.3 Security and Surveillance
 - 2.3.4 Intelligent Transportation System (ITS)
 - 2.3.5 Others
 - 2.3.6 CMOS-based Industrial Camera Sales by Application
 - 2.3.6.1 Global CMOS-based Industrial Camera Sale Market Share by Application (2021-2026)

2.3.6.2 Global CMOS-based Industrial Camera Revenue and Market Share by Application (2021-2026)

2.3.6.3 Global CMOS-based Industrial Camera Sale Price by Application (2021-2026)

3 GLOBAL BY COMPANY

3.1 Global CMOS-based Industrial Camera Breakdown Data by Company

3.1.1 Global CMOS-based Industrial Camera Annual Sales by Company (2021-2026)

3.1.2 Global CMOS-based Industrial Camera Sales Market Share by Company (2021-2026)

3.2 Global CMOS-based Industrial Camera Annual Revenue by Company (2021-2026)

3.2.1 Global CMOS-based Industrial Camera Revenue by Company (2021-2026)

3.2.2 Global CMOS-based Industrial Camera Revenue Market Share by Company (2021-2026)

3.3 Global CMOS-based Industrial Camera Sale Price by Company

3.4 Key Manufacturers CMOS-based Industrial Camera Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers CMOS-based Industrial Camera Product Location Distribution

3.4.2 Players CMOS-based Industrial Camera Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR CMOS-BASED INDUSTRIAL CAMERA BY GEOGRAPHIC REGION

4.1 World Historic CMOS-based Industrial Camera Market Size by Geographic Region (2021-2026)

4.1.1 Global CMOS-based Industrial Camera Annual Sales by Geographic Region (2021-2026)

4.1.2 Global CMOS-based Industrial Camera Annual Revenue by Geographic Region (2021-2026)

4.2 World Historic CMOS-based Industrial Camera Market Size by Country/Region (2021-2026)

4.2.1 Global CMOS-based Industrial Camera Annual Sales by Country/Region (2021-2026)

4.2.2 Global CMOS-based Industrial Camera Annual Revenue by Country/Region (2021-2026)

4.3 Americas CMOS-based Industrial Camera Sales Growth

4.4 APAC CMOS-based Industrial Camera Sales Growth

4.5 Europe CMOS-based Industrial Camera Sales Growth

4.6 Middle East & Africa CMOS-based Industrial Camera Sales Growth

5 AMERICAS

5.1 Americas CMOS-based Industrial Camera Sales by Country

5.1.1 Americas CMOS-based Industrial Camera Sales by Country (2021-2026)

5.1.2 Americas CMOS-based Industrial Camera Revenue by Country (2021-2026)

5.2 Americas CMOS-based Industrial Camera Sales by Type (2021-2026)

5.3 Americas CMOS-based Industrial Camera Sales by Application (2021-2026)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC CMOS-based Industrial Camera Sales by Region

6.1.1 APAC CMOS-based Industrial Camera Sales by Region (2021-2026)

6.1.2 APAC CMOS-based Industrial Camera Revenue by Region (2021-2026)

6.2 APAC CMOS-based Industrial Camera Sales by Type (2021-2026)

6.3 APAC CMOS-based Industrial Camera Sales by Application (2021-2026)

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 CMOS-based Industrial Camera by Country

7.1.1 Europe CMOS-based Industrial Camera Sales by Country (2021-2026)

7.1.2 Europe CMOS-based Industrial Camera Revenue by Country (2021-2026)

- 7.2 Europe CMOS-based Industrial Camera Sales by Type (2021-2026)
- 7.3 Europe CMOS-based Industrial Camera Sales by Application (2021-2026)
- 7.4 Germany
- 7.5 France
- 7.6 UK
- 7.7 Italy
- 7.8 Russia

8 MIDDLE EAST & AFRICA

- 8.1 Middle East & Africa CMOS-based Industrial Camera by Country
 - 8.1.1 Middle East & Africa CMOS-based Industrial Camera Sales by Country (2021-2026)
 - 8.1.2 Middle East & Africa CMOS-based Industrial Camera Revenue by Country (2021-2026)
- 8.2 Middle East & Africa CMOS-based Industrial Camera Sales by Type (2021-2026)
- 8.3 Middle East & Africa CMOS-based Industrial Camera Sales by Application (2021-2026)
- 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 CMOS-based Industrial Camera
- 10.3 Manufacturing Process Analysis of CMOS-based Industrial Camera
- 10.4 Industry Chain Structure of CMOS-based Industrial Camera

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 CMOS-based Industrial Camera Distributors

11.3 CMOS-based Industrial Camera Customer

12 WORLD FORECAST REVIEW FOR CMOS-BASED INDUSTRIAL CAMERA BY GEOGRAPHIC REGION

12.1 Global CMOS-based Industrial Camera Market Size Forecast by Region

12.1.1 Global CMOS-based Industrial Camera Forecast by Region (2027-2032)

12.1.2 Global CMOS-based Industrial Camera Annual Revenue Forecast by Region (2027-2032)

12.2 Americas Forecast by Country (2027-2032)

12.3 APAC Forecast by Region (2027-2032)

12.4 Europe Forecast by Country (2027-2032)

12.5 Middle East & Africa Forecast by Country (2027-2032)

12.6 Global CMOS-based Industrial Camera Forecast by Type (2027-2032)

12.7 Global CMOS-based Industrial Camera Forecast by Application (2027-2032)

13 KEY PLAYERS ANALYSIS

13.1 Basler

13.1.1 Basler Company Information

13.1.2 Basler CMOS-based Industrial Camera Product Portfolios and Specifications

13.1.3 Basler CMOS-based Industrial Camera Sales, Revenue, Price and Gross Margin (2021-2026)

13.1.4 Basler Main Business Overview

13.1.5 Basler Latest Developments

13.2 Teledyne

13.2.1 Teledyne Company Information

13.2.2 Teledyne CMOS-based Industrial Camera Product Portfolios and Specifications

13.2.3 Teledyne CMOS-based Industrial Camera Sales, Revenue, Price and Gross Margin (2021-2026)

13.2.4 Teledyne Main Business Overview

13.2.5 Teledyne Latest Developments

13.3 Baumer

13.3.1 Baumer Company Information

13.3.2 Baumer CMOS-based Industrial Camera Product Portfolios and Specifications

13.3.3 Baumer CMOS-based Industrial Camera Sales, Revenue, Price and Gross Margin (2021-2026)

13.3.4 Baumer Main Business Overview

13.3.5 Baumer Latest Developments

13.4 Cognex

13.4.1 Cognex Company Information

13.4.2 Cognex CMOS-based Industrial Camera Product Portfolios and Specifications

13.4.3 Cognex CMOS-based Industrial Camera Sales, Revenue, Price and Gross Margin (2021-2026)

13.4.4 Cognex Main Business Overview

13.4.5 Cognex Latest Developments

13.5 Toshiba Teli

13.5.1 Toshiba Teli Company Information

13.5.2 Toshiba Teli CMOS-based Industrial Camera Product Portfolios and Specifications

13.5.3 Toshiba Teli CMOS-based Industrial Camera Sales, Revenue, Price and Gross Margin (2021-2026)

13.5.4 Toshiba Teli Main Business Overview

13.5.5 Toshiba Teli Latest Developments

13.6 Sony

13.6.1 Sony Company Information

13.6.2 Sony CMOS-based Industrial Camera Product Portfolios and Specifications

13.6.3 Sony CMOS-based Industrial Camera Sales, Revenue, Price and Gross Margin (2021-2026)

13.6.4 Sony Main Business Overview

13.6.5 Sony Latest Developments

13.7 Hikvision

13.7.1 Hikvision Company Information

13.7.2 Hikvision CMOS-based Industrial Camera Product Portfolios and Specifications

13.7.3 Hikvision CMOS-based Industrial Camera Sales, Revenue, Price and Gross Margin (2021-2026)

13.7.4 Hikvision Main Business Overview

13.7.5 Hikvision Latest Developments

13.8 Huarui Technology

13.8.1 Huarui Technology Company Information

13.8.2 Huarui Technology CMOS-based Industrial Camera Product Portfolios and Specifications

13.8.3 Huarui Technology CMOS-based Industrial Camera Sales, Revenue, Price and Gross Margin (2021-2026)

- 13.8.4 Huarui Technology Main Business Overview
- 13.8.5 Huarui Technology Latest Developments
- 13.9 Jai
 - 13.9.1 Jai Company Information
 - 13.9.2 Jai CMOS-based Industrial Camera Product Portfolios and Specifications
 - 13.9.3 Jai CMOS-based Industrial Camera Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.9.4 Jai Main Business Overview
 - 13.9.5 Jai Latest Developments
- 13.10 Daheng Image
 - 13.10.1 Daheng Image Company Information
 - 13.10.2 Daheng Image CMOS-based Industrial Camera Product Portfolios and Specifications
 - 13.10.3 Daheng Image CMOS-based Industrial Camera Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.10.4 Daheng Image Main Business Overview
 - 13.10.5 Daheng Image Latest Developments
- 13.11 Omron
 - 13.11.1 Omron Company Information
 - 13.11.2 Omron CMOS-based Industrial Camera Product Portfolios and Specifications
 - 13.11.3 Omron CMOS-based Industrial Camera Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.11.4 Omron Main Business Overview
 - 13.11.5 Omron Latest Developments
- 13.12 National Instruments
 - 13.12.1 National Instruments Company Information
 - 13.12.2 National Instruments CMOS-based Industrial Camera Product Portfolios and Specifications
 - 13.12.3 National Instruments CMOS-based Industrial Camera Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.12.4 National Instruments Main Business Overview
 - 13.12.5 National Instruments Latest Developments
- 13.13 CIS Corporation
 - 13.13.1 CIS Corporation Company Information
 - 13.13.2 CIS Corporation CMOS-based Industrial Camera Product Portfolios and Specifications
 - 13.13.3 CIS Corporation CMOS-based Industrial Camera Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.13.4 CIS Corporation Main Business Overview

- 13.13.5 CIS Corporation Latest Developments
- 13.14 TKH Group
 - 13.14.1 TKH Group Company Information
 - 13.14.2 TKH Group CMOS-based Industrial Camera Product Portfolios and Specifications
 - 13.14.3 TKH Group CMOS-based Industrial Camera Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.14.4 TKH Group Main Business Overview
 - 13.14.5 TKH Group Latest Developments
- 13.15 Keyence
 - 13.15.1 Keyence Company Information
 - 13.15.2 Keyence CMOS-based Industrial Camera Product Portfolios and Specifications
 - 13.15.3 Keyence CMOS-based Industrial Camera Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.15.4 Keyence Main Business Overview
 - 13.15.5 Keyence Latest Developments
- 13.16 ADLINK Technology
 - 13.16.1 ADLINK Technology Company Information
 - 13.16.2 ADLINK Technology CMOS-based Industrial Camera Product Portfolios and Specifications
 - 13.16.3 ADLINK Technology CMOS-based Industrial Camera Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.16.4 ADLINK Technology Main Business Overview
 - 13.16.5 ADLINK Technology Latest Developments
- 13.17 OPT
 - 13.17.1 OPT Company Information
 - 13.17.2 OPT CMOS-based Industrial Camera Product Portfolios and Specifications
 - 13.17.3 OPT CMOS-based Industrial Camera Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.17.4 OPT Main Business Overview
 - 13.17.5 OPT Latest Developments
- 13.18 LUSTER LIGHTTECH
 - 13.18.1 LUSTER LIGHTTECH Company Information
 - 13.18.2 LUSTER LIGHTTECH CMOS-based Industrial Camera Product Portfolios and Specifications
 - 13.18.3 LUSTER LIGHTTECH CMOS-based Industrial Camera Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.18.4 LUSTER LIGHTTECH Main Business Overview

13.18.5 LUSTER LIGHTTECH Latest Developments

13.19 Hait Vision

13.19.1 Hait Vision Company Information

13.19.2 Hait Vision CMOS-based Industrial Camera Product Portfolios and Specifications

13.19.3 Hait Vision CMOS-based Industrial Camera Sales, Revenue, Price and Gross Margin (2021-2026)

13.19.4 Hait Vision Main Business Overview

13.19.5 Hait Vision Latest Developments

13.20 Viewworks

13.20.1 Viewworks Company Information

13.20.2 Viewworks CMOS-based Industrial Camera Product Portfolios and Specifications

13.20.3 Viewworks CMOS-based Industrial Camera Sales, Revenue, Price and Gross Margin (2021-2026)

13.20.4 Viewworks Main Business Overview

13.20.5 Viewworks Latest Developments

13.21 Mindview

13.21.1 Mindview Company Information

13.21.2 Mindview CMOS-based Industrial Camera Product Portfolios and Specifications

13.21.3 Mindview CMOS-based Industrial Camera Sales, Revenue, Price and Gross Margin (2021-2026)

13.21.4 Mindview Main Business Overview

13.21.5 Mindview Latest Developments

13.22 Eco Optoelectronics

13.22.1 Eco Optoelectronics Company Information

13.22.2 Eco Optoelectronics CMOS-based Industrial Camera Product Portfolios and Specifications

13.22.3 Eco Optoelectronics CMOS-based Industrial Camera Sales, Revenue, Price and Gross Margin (2021-2026)

13.22.4 Eco Optoelectronics Main Business Overview

13.22.5 Eco Optoelectronics Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. CMOS-based Industrial Camera Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Table 2. CMOS-based Industrial Camera Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)

Table 3. Major Players of Area Scan Camera

Table 4. Major Players of Line Scan Camera

Table 5. Global CMOS-based Industrial Camera Sales by Type (2021-2026) & (K Units)

Table 6. Global CMOS-based Industrial Camera Sales Market Share by Type (2021-2026)

Table 7. Global CMOS-based Industrial Camera Revenue by Type (2021-2026) & (\$ million)

Table 8. Global CMOS-based Industrial Camera Revenue Market Share by Type (2021-2026)

Table 9. Global CMOS-based Industrial Camera Sale Price by Type (2021-2026) & (US\$/Unit)

Table 10. Global CMOS-based Industrial Camera Sale by Application (2021-2026) & (K Units)

Table 11. Global CMOS-based Industrial Camera Sale Market Share by Application (2021-2026)

Table 12. Global CMOS-based Industrial Camera Revenue by Application (2021-2026) & (\$ million)

Table 13. Global CMOS-based Industrial Camera Revenue Market Share by Application (2021-2026)

Table 14. Global CMOS-based Industrial Camera Sale Price by Application (2021-2026) & (US\$/Unit)

Table 15. Global CMOS-based Industrial Camera Sales by Company (2021-2026) & (K Units)

Table 16. Global CMOS-based Industrial Camera Sales Market Share by Company (2021-2026)

Table 17. Global CMOS-based Industrial Camera Revenue by Company (2021-2026) & (\$ millions)

Table 18. Global CMOS-based Industrial Camera Revenue Market Share by Company (2021-2026)

Table 19. Global CMOS-based Industrial Camera Sale Price by Company (2021-2026) & (US\$/Unit)

Table 20. Key Manufacturers CMOS-based Industrial Camera Producing Area
Distribution and Sales Area

Table 21. Players CMOS-based Industrial Camera Products Offered

Table 22. CMOS-based Industrial Camera Concentration Ratio (CR3, CR5 and CR10)
& (2024-2026)

Table 23. New Products and Potential Entrants

Table 24. Market M&A Activity & Strategy

Table 25. Global CMOS-based Industrial Camera Sales by Geographic Region
(2021-2026) & (K Units)

Table 26. Global CMOS-based Industrial Camera Sales Market Share Geographic
Region (2021-2026)

Table 27. Global CMOS-based Industrial Camera Revenue by Geographic Region
(2021-2026) & (\$ millions)

Table 28. Global CMOS-based Industrial Camera Revenue Market Share by
Geographic Region (2021-2026)

Table 29. Global CMOS-based Industrial Camera Sales by Country/Region (2021-2026)
& (K Units)

Table 30. Global CMOS-based Industrial Camera Sales Market Share by
Country/Region (2021-2026)

Table 31. Global CMOS-based Industrial Camera Revenue by Country/Region
(2021-2026) & (\$ millions)

Table 32. Global CMOS-based Industrial Camera Revenue Market Share by
Country/Region (2021-2026)

Table 33. Americas CMOS-based Industrial Camera Sales by Country (2021-2026) & (K
Units)

Table 34. Americas CMOS-based Industrial Camera Sales Market Share by Country
(2021-2026)

Table 35. Americas CMOS-based Industrial Camera Revenue by Country (2021-2026)
& (\$ millions)

Table 36. Americas CMOS-based Industrial Camera Sales by Type (2021-2026) & (K
Units)

Table 37. Americas CMOS-based Industrial Camera Sales by Application (2021-2026)
& (K Units)

Table 38. APAC CMOS-based Industrial Camera Sales by Region (2021-2026) & (K
Units)

Table 39. APAC CMOS-based Industrial Camera Sales Market Share by Region
(2021-2026)

Table 40. APAC CMOS-based Industrial Camera Revenue by Region (2021-2026) & (\$
millions)

Table 41. APAC CMOS-based Industrial Camera Sales by Type (2021-2026) & (K Units)

Table 42. APAC CMOS-based Industrial Camera Sales by Application (2021-2026) & (K Units)

Table 43. Europe CMOS-based Industrial Camera Sales by Country (2021-2026) & (K Units)

Table 44. Europe CMOS-based Industrial Camera Revenue by Country (2021-2026) & (\$ millions)

Table 45. Europe CMOS-based Industrial Camera Sales by Type (2021-2026) & (K Units)

Table 46. Europe CMOS-based Industrial Camera Sales by Application (2021-2026) & (K Units)

Table 47. Middle East & Africa CMOS-based Industrial Camera Sales by Country (2021-2026) & (K Units)

Table 48. Middle East & Africa CMOS-based Industrial Camera Revenue Market Share by Country (2021-2026)

Table 49. Middle East & Africa CMOS-based Industrial Camera Sales by Type (2021-2026) & (K Units)

Table 50. Middle East & Africa CMOS-based Industrial Camera Sales by Application (2021-2026) & (K Units)

Table 51. Key Market Drivers & Growth Opportunities of CMOS-based Industrial Camera

Table 52. Key Market Challenges & Risks of CMOS-based Industrial Camera

Table 53. Key Industry Trends of CMOS-based Industrial Camera

Table 54. CMOS-based Industrial Camera Raw Material

Table 55. Key Suppliers of Raw Materials

Table 56. CMOS-based Industrial Camera Distributors List

Table 57. CMOS-based Industrial Camera Customer List

Table 58. Global CMOS-based Industrial Camera Sales Forecast by Region (2027-2032) & (K Units)

Table 59. Global CMOS-based Industrial Camera Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 60. Americas CMOS-based Industrial Camera Sales Forecast by Country (2027-2032) & (K Units)

Table 61. Americas CMOS-based Industrial Camera Annual Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 62. APAC CMOS-based Industrial Camera Sales Forecast by Region (2027-2032) & (K Units)

Table 63. APAC CMOS-based Industrial Camera Annual Revenue Forecast by Region

(2027-2032) & (\$ millions)

Table 64. Europe CMOS-based Industrial Camera Sales Forecast by Country

(2027-2032) & (K Units)

Table 65. Europe CMOS-based Industrial Camera Revenue Forecast by Country

(2027-2032) & (\$ millions)

Table 66. Middle East & Africa CMOS-based Industrial Camera Sales Forecast by Country (2027-2032) & (K Units)

Table 67. Middle East & Africa CMOS-based Industrial Camera Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 68. Global CMOS-based Industrial Camera Sales Forecast by Type (2027-2032) & (K Units)

Table 69. Global CMOS-based Industrial Camera Revenue Forecast by Type (2027-2032) & (\$ millions)

Table 70. Global CMOS-based Industrial Camera Sales Forecast by Application (2027-2032) & (K Units)

Table 71. Global CMOS-based Industrial Camera Revenue Forecast by Application (2027-2032) & (\$ millions)

Table 72. Basler Basic Information, CMOS-based Industrial Camera Manufacturing Base, Sales Area and Its Competitors

Table 73. Basler CMOS-based Industrial Camera Product Portfolios and Specifications

Table 74. Basler CMOS-based Industrial Camera Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 75. Basler Main Business

Table 76. Basler Latest Developments

Table 77. Teledyne Basic Information, CMOS-based Industrial Camera Manufacturing Base, Sales Area and Its Competitors

Table 78. Teledyne CMOS-based Industrial Camera Product Portfolios and Specifications

Table 79. Teledyne CMOS-based Industrial Camera Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 80. Teledyne Main Business

Table 81. Teledyne Latest Developments

Table 82. Baumer Basic Information, CMOS-based Industrial Camera Manufacturing Base, Sales Area and Its Competitors

Table 83. Baumer CMOS-based Industrial Camera Product Portfolios and Specifications

Table 84. Baumer CMOS-based Industrial Camera Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 85. Baumer Main Business

Table 86. Baumer Latest Developments

Table 87. Cognex Basic Information, CMOS-based Industrial Camera Manufacturing Base, Sales Area and Its Competitors

Table 88. Cognex CMOS-based Industrial Camera Product Portfolios and Specifications

Table 89. Cognex CMOS-based Industrial Camera Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 90. Cognex Main Business

Table 91. Cognex Latest Developments

Table 92. Toshiba Teli Basic Information, CMOS-based Industrial Camera Manufacturing Base, Sales Area and Its Competitors

Table 93. Toshiba Teli CMOS-based Industrial Camera Product Portfolios and Specifications

Table 94. Toshiba Teli CMOS-based Industrial Camera Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 95. Toshiba Teli Main Business

Table 96. Toshiba Teli Latest Developments

Table 97. Sony Basic Information, CMOS-based Industrial Camera Manufacturing Base, Sales Area and Its Competitors

Table 98. Sony CMOS-based Industrial Camera Product Portfolios and Specifications

Table 99. Sony CMOS-based Industrial Camera Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 100. Sony Main Business

Table 101. Sony Latest Developments

Table 102. Hikvision Basic Information, CMOS-based Industrial Camera Manufacturing Base, Sales Area and Its Competitors

Table 103. Hikvision CMOS-based Industrial Camera Product Portfolios and Specifications

Table 104. Hikvision CMOS-based Industrial Camera Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 105. Hikvision Main Business

Table 106. Hikvision Latest Developments

Table 107. Huarui Technology Basic Information, CMOS-based Industrial Camera Manufacturing Base, Sales Area and Its Competitors

Table 108. Huarui Technology CMOS-based Industrial Camera Product Portfolios and Specifications

Table 109. Huarui Technology CMOS-based Industrial Camera Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 110. Huarui Technology Main Business

Table 111. Huarui Technology Latest Developments

Table 112. Jai Basic Information, CMOS-based Industrial Camera Manufacturing Base, Sales Area and Its Competitors
Table 113. Jai CMOS-based Industrial Camera Product Portfolios and Specifications
Table 114. Jai CMOS-based Industrial Camera Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
Table 115. Jai Main Business
Table 116. Jai Latest Developments
Table 117. Daheng Image Basic Information, CMOS-based Industrial Camera Manufacturing Base, Sales Area and Its Competitors
Table 118. Daheng Image CMOS-based Industrial Camera Product Portfolios and Specifications
Table 119. Daheng Image CMOS-based Industrial Camera Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
Table 120. Daheng Image Main Business
Table 121. Daheng Image Latest Developments
Table 122. Omron Basic Information, CMOS-based Industrial Camera Manufacturing Base, Sales Area and Its Competitors
Table 123. Omron CMOS-based Industrial Camera Product Portfolios and Specifications
Table 124. Omron CMOS-based Industrial Camera Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
Table 125. Omron Main Business
Table 126. Omron Latest Developments
Table 127. National Instruments Basic Information, CMOS-based Industrial Camera Manufacturing Base, Sales Area and Its Competitors
Table 128. National Instruments CMOS-based Industrial Camera Product Portfolios and Specifications
Table 129. National Instruments CMOS-based Industrial Camera Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
Table 130. National Instruments Main Business
Table 131. National Instruments Latest Developments
Table 132. CIS Corporation Basic Information, CMOS-based Industrial Camera Manufacturing Base, Sales Area and Its Competitors
Table 133. CIS Corporation CMOS-based Industrial Camera Product Portfolios and Specifications
Table 134. CIS Corporation CMOS-based Industrial Camera Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
Table 135. CIS Corporation Main Business
Table 136. CIS Corporation Latest Developments

Table 137. TKH Group Basic Information, CMOS-based Industrial Camera Manufacturing Base, Sales Area and Its Competitors

Table 138. TKH Group CMOS-based Industrial Camera Product Portfolios and Specifications

Table 139. TKH Group CMOS-based Industrial Camera Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 140. TKH Group Main Business

Table 141. TKH Group Latest Developments

Table 142. Keyence Basic Information, CMOS-based Industrial Camera Manufacturing Base, Sales Area and Its Competitors

Table 143. Keyence CMOS-based Industrial Camera Product Portfolios and Specifications

Table 144. Keyence CMOS-based Industrial Camera Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 145. Keyence Main Business

Table 146. Keyence Latest Developments

Table 147. ADLINK Technology Basic Information, CMOS-based Industrial Camera Manufacturing Base, Sales Area and Its Competitors

Table 148. ADLINK Technology CMOS-based Industrial Camera Product Portfolios and Specifications

Table 149. ADLINK Technology CMOS-based Industrial Camera Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 150. ADLINK Technology Main Business

Table 151. ADLINK Technology Latest Developments

Table 152. OPT Basic Information, CMOS-based Industrial Camera Manufacturing Base, Sales Area and Its Competitors

Table 153. OPT CMOS-based Industrial Camera Product Portfolios and Specifications

Table 154. OPT CMOS-based Industrial Camera Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 155. OPT Main Business

Table 156. OPT Latest Developments

Table 157. LUSTER LIGHTTECH Basic Information, CMOS-based Industrial Camera Manufacturing Base, Sales Area and Its Competitors

Table 158. LUSTER LIGHTTECH CMOS-based Industrial Camera Product Portfolios and Specifications

Table 159. LUSTER LIGHTTECH CMOS-based Industrial Camera Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 160. LUSTER LIGHTTECH Main Business

Table 161. LUSTER LIGHTTECH Latest Developments

Table 162. Hait Vision Basic Information, CMOS-based Industrial Camera Manufacturing Base, Sales Area and Its Competitors

Table 163. Hait Vision CMOS-based Industrial Camera Product Portfolios and Specifications

Table 164. Hait Vision CMOS-based Industrial Camera Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 165. Hait Vision Main Business

Table 166. Hait Vision Latest Developments

Table 167. Vieworks Basic Information, CMOS-based Industrial Camera Manufacturing Base, Sales Area and Its Competitors

Table 168. Vieworks CMOS-based Industrial Camera Product Portfolios and Specifications

Table 169. Vieworks CMOS-based Industrial Camera Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 170. Vieworks Main Business

Table 171. Vieworks Latest Developments

Table 172. Mindview Basic Information, CMOS-based Industrial Camera Manufacturing Base, Sales Area and Its Competitors

Table 173. Mindview CMOS-based Industrial Camera Product Portfolios and Specifications

Table 174. Mindview CMOS-based Industrial Camera Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 175. Mindview Main Business

Table 176. Mindview Latest Developments

Table 177. Eco Optoelectronics Basic Information, CMOS-based Industrial Camera Manufacturing Base, Sales Area and Its Competitors

Table 178. Eco Optoelectronics CMOS-based Industrial Camera Product Portfolios and Specifications

Table 179. Eco Optoelectronics CMOS-based Industrial Camera Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 180. Eco Optoelectronics Main Business

Table 181. Eco Optoelectronics Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of CMOS-based Industrial Camera
- Figure 2. CMOS-based Industrial Camera Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global CMOS-based Industrial Camera Sales Growth Rate 2021-2032 (K Units)
- Figure 7. Global CMOS-based Industrial Camera Revenue Growth Rate 2021-2032 (\$ millions)
- Figure 8. CMOS-based Industrial Camera Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Figure 9. CMOS-based Industrial Camera Sales Market Share by Country/Region (2025)
- Figure 10. CMOS-based Industrial Camera Sales Market Share by Country/Region (2021, 2025 & 2032)
- Figure 11. Product Picture of Area Scan Camera
- Figure 12. Product Picture of Line Scan Camera
- Figure 13. Global CMOS-based Industrial Camera Sales Market Share by Type in 2026
- Figure 14. Global CMOS-based Industrial Camera Revenue Market Share by Type (2021-2026)
- Figure 15. CMOS-based Industrial Camera Consumed in Manufacturing
- Figure 16. Global CMOS-based Industrial Camera Market: Manufacturing (2021-2026) & (K Units)
- Figure 17. CMOS-based Industrial Camera Consumed in Medical and Life Sciences
- Figure 18. Global CMOS-based Industrial Camera Market: Medical and Life Sciences (2021-2026) & (K Units)
- Figure 19. CMOS-based Industrial Camera Consumed in Security and Surveillance
- Figure 20. Global CMOS-based Industrial Camera Market: Security and Surveillance (2021-2026) & (K Units)
- Figure 21. CMOS-based Industrial Camera Consumed in Intelligent Transportation System (ITS)
- Figure 22. Global CMOS-based Industrial Camera Market: Intelligent Transportation System (ITS) (2021-2026) & (K Units)
- Figure 23. CMOS-based Industrial Camera Consumed in Others
- Figure 24. Global CMOS-based Industrial Camera Market: Others (2021-2026) & (K

Units)

Figure 25. Global CMOS-based Industrial Camera Sale Market Share by Application (2025)

Figure 26. Global CMOS-based Industrial Camera Revenue Market Share by Application in 2026

Figure 27. CMOS-based Industrial Camera Sales by Company in 2026 (K Units)

Figure 28. Global CMOS-based Industrial Camera Sales Market Share by Company in 2026

Figure 29. CMOS-based Industrial Camera Revenue by Company in 2026 (\$ millions)

Figure 30. Global CMOS-based Industrial Camera Revenue Market Share by Company in 2026

Figure 31. Global CMOS-based Industrial Camera Sales Market Share by Geographic Region (2021-2026)

Figure 32. Global CMOS-based Industrial Camera Revenue Market Share by Geographic Region in 2026

Figure 33. Americas CMOS-based Industrial Camera Sales 2021-2026 (K Units)

Figure 34. Americas CMOS-based Industrial Camera Revenue 2021-2026 (\$ millions)

Figure 35. APAC CMOS-based Industrial Camera Sales 2021-2026 (K Units)

Figure 36. APAC CMOS-based Industrial Camera Revenue 2021-2026 (\$ millions)

Figure 37. Europe CMOS-based Industrial Camera Sales 2021-2026 (K Units)

Figure 38. Europe CMOS-based Industrial Camera Revenue 2021-2026 (\$ millions)

Figure 39. Middle East & Africa CMOS-based Industrial Camera Sales 2021-2026 (K Units)

Figure 40. Middle East & Africa CMOS-based Industrial Camera Revenue 2021-2026 (\$ millions)

Figure 41. Americas CMOS-based Industrial Camera Sales Market Share by Country in 2026

Figure 42. Americas CMOS-based Industrial Camera Revenue Market Share by Country (2021-2026)

Figure 43. Americas CMOS-based Industrial Camera Sales Market Share by Type (2021-2026)

Figure 44. Americas CMOS-based Industrial Camera Sales Market Share by Application (2021-2026)

Figure 45. United States CMOS-based Industrial Camera Revenue Growth 2021-2026 (\$ millions)

Figure 46. Canada CMOS-based Industrial Camera Revenue Growth 2021-2026 (\$ millions)

Figure 47. Mexico CMOS-based Industrial Camera Revenue Growth 2021-2026 (\$ millions)

Figure 48. Brazil CMOS-based Industrial Camera Revenue Growth 2021-2026 (\$ millions)

Figure 49. APAC CMOS-based Industrial Camera Sales Market Share by Region in 2026

Figure 50. APAC CMOS-based Industrial Camera Revenue Market Share by Region (2021-2026)

Figure 51. APAC CMOS-based Industrial Camera Sales Market Share by Type (2021-2026)

Figure 52. APAC CMOS-based Industrial Camera Sales Market Share by Application (2021-2026)

Figure 53. China CMOS-based Industrial Camera Revenue Growth 2021-2026 (\$ millions)

Figure 54. Japan CMOS-based Industrial Camera Revenue Growth 2021-2026 (\$ millions)

Figure 55. South Korea CMOS-based Industrial Camera Revenue Growth 2021-2026 (\$ millions)

Figure 56. Southeast Asia CMOS-based Industrial Camera Revenue Growth 2021-2026 (\$ millions)

Figure 57. India CMOS-based Industrial Camera Revenue Growth 2021-2026 (\$ millions)

Figure 58. Australia CMOS-based Industrial Camera Revenue Growth 2021-2026 (\$ millions)

Figure 59. China Taiwan CMOS-based Industrial Camera Revenue Growth 2021-2026 (\$ millions)

Figure 60. Europe CMOS-based Industrial Camera Sales Market Share by Country in 2026

Figure 61. Europe CMOS-based Industrial Camera Revenue Market Share by Country (2021-2026)

Figure 62. Europe CMOS-based Industrial Camera Sales Market Share by Type (2021-2026)

Figure 63. Europe CMOS-based Industrial Camera Sales Market Share by Application (2021-2026)

Figure 64. Germany CMOS-based Industrial Camera Revenue Growth 2021-2026 (\$ millions)

Figure 65. France CMOS-based Industrial Camera Revenue Growth 2021-2026 (\$ millions)

Figure 66. UK CMOS-based Industrial Camera Revenue Growth 2021-2026 (\$ millions)

Figure 67. Italy CMOS-based Industrial Camera Revenue Growth 2021-2026 (\$ millions)

Figure 68. Russia CMOS-based Industrial Camera Revenue Growth 2021-2026 (\$ millions)

Figure 69. Middle East & Africa CMOS-based Industrial Camera Sales Market Share by Country (2021-2026)

Figure 70. Middle East & Africa CMOS-based Industrial Camera Sales Market Share by Type (2021-2026)

Figure 71. Middle East & Africa CMOS-based Industrial Camera Sales Market Share by Application (2021-2026)

Figure 72. Egypt CMOS-based Industrial Camera Revenue Growth 2021-2026 (\$ millions)

Figure 73. South Africa CMOS-based Industrial Camera Revenue Growth 2021-2026 (\$ millions)

Figure 74. Israel CMOS-based Industrial Camera Revenue Growth 2021-2026 (\$ millions)

Figure 75. Turkey CMOS-based Industrial Camera Revenue Growth 2021-2026 (\$ millions)

Figure 76. GCC Countries CMOS-based Industrial Camera Revenue Growth 2021-2026 (\$ millions)

Figure 77. Manufacturing Cost Structure Analysis of CMOS-based Industrial Camera in 2026

Figure 78. Manufacturing Process Analysis of CMOS-based Industrial Camera

Figure 79. Industry Chain Structure of CMOS-based Industrial Camera

Figure 80. Channels of Distribution

Figure 81. Global CMOS-based Industrial Camera Sales Market Forecast by Region (2027-2032)

Figure 82. Global CMOS-based Industrial Camera Revenue Market Share Forecast by Region (2027-2032)

Figure 83. Global CMOS-based Industrial Camera Sales Market Share Forecast by Type (2027-2032)

Figure 84. Global CMOS-based Industrial Camera Revenue Market Share Forecast by Type (2027-2032)

Figure 85. Global CMOS-based Industrial Camera Sales Market Share Forecast by Application (2027-2032)

Figure 86. Global CMOS-based Industrial Camera Revenue Market Share Forecast by Application (2027-2032)

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