

# Global HD AI Perception Camera Market Growth 2026-2032

<https://marketpublishers.com/r/GB1EC062BF11EN.html>

Date: July 2026

Pages: 145

Price: US\$ 3,660.00 (Single User License)

ID: GB1EC062BF11EN

## Abstracts

The global HD AI Perception Camera market size is predicted to grow from US\$ 775 million in 2025 to US\$ 1122 million in 2032; it is expected to grow at a CAGR of 5.4% from 2026 to 2032.

In 2025, the global production of high-definition AI sensing cameras reached 19.8038 million units, with an average selling price of \$40 per unit. The global annual production capacity of high-definition AI sensing cameras is approximately 25 million units, with a gross profit margin of approximately 23.6%. High-definition AI sensing cameras are intelligent monitoring devices that integrate high-definition imaging technology and artificial intelligence algorithms. Compared to traditional surveillance cameras, these cameras not only capture clearer and more detailed images but also perform in-depth image analysis through AI algorithms, achieving more intelligent and comprehensive monitoring functions. The upstream of high-definition AI sensing cameras includes image sensor chips, optical lenses, and communication modules. The midstream consists of high-definition AI sensing camera manufacturers, while downstream applications are mainly in industries such as transportation, security, and construction.

The high-definition AI sensing camera market is currently experiencing rapid growth, with technological integration and scenario expansion becoming the core driving forces. At the technological level, the improvement of AI chip computing power, the widespread adoption of edge computing, and the application of multimodal sensing technologies (such as infrared + visible light fusion) are propelling cameras from passive recording to proactive decision-making, enabling real-time and precise functions such as facial recognition, behavior analysis, and anomaly detection. In terms of market applications, demand is broad: in the public safety sector, smart city and ?Skynet? projects continue to drive the deployment of high-definition AI cameras in traffic management and

community security scenarios; in the commercial sector, retail and logistics industries utilize them for customer flow statistics and cargo monitoring; and in the home environment, consumer demand for home security and pet care has also promoted the widespread adoption of home-use high-definition AI cameras. Overall, the high-definition AI sensing camera market is in a stage of accelerated technological iteration and deepening application scenarios. In the future, with the further integration of AI with IoT, big data, and other technologies, the market is expected to continue to expand, but it also faces challenges such as data security and privacy protection.

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

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

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for HD AI Perception 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 HD AI Perception Camera.

This report presents a comprehensive overview, market shares, and growth opportunities of HD AI Perception Camera market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Cylinder Machine

Hemisphere

Segmentation by Sensor Types:

RGB Sensor

Infrared/Thermal Imaging Sensor

Depth Sensor

Segmentation Frame Rate:

Low Frame Rate (1-10fps)

Medium Frame Rate (10-30fps)

High Frame Rate (30fps and Above)

Segmentation by Application:

Transportation

Security

Construction

Industrial

Financial

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.

Axis Communications

Bosch Security Systems

Hanwha Techwin

Arlo Technologies

Cisco

Logitech

EZVIZ

Hikvision

MEGVII

GUANGZHOU BOSMA CORP

ALCIDAE

SmartSens Technology

KINGSUN

Reolink

HUNAN SHARING

Maxvision

Dahua Technology

CGU

### Key Questions Addressed in this Report

What is the 10-year outlook for the global HD AI Perception Camera market?

What factors are driving HD AI Perception Camera market growth, globally and by region?

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

How do HD AI Perception Camera market opportunities vary by end market size?

How does HD AI Perception 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 HD AI Perception Camera Annual Sales 2021-2032
  - 2.1.2 World Current & Future Analysis for HD AI Perception Camera by Geographic Region, 2021, 2025 & 2032
  - 2.1.3 World Current & Future Analysis for HD AI Perception Camera by Country/Region, 2021, 2025 & 2032
- 2.2 HD AI Perception Camera Segment by Type
  - 2.2.1 Cylinder Machine
  - 2.2.2 Hemisphere
  - 2.2.3 HD AI Perception Camera Sales by Type
    - 2.2.3.1 Global HD AI Perception Camera Sales Market Share by Type (2021-2026)
    - 2.2.3.2 Global HD AI Perception Camera Revenue and Market Share by Type (2021-2026)
    - 2.2.3.3 Global HD AI Perception Camera Sale Price by Type (2021-2026)
- 2.3 HD AI Perception Camera Segment by Sensor Types
  - 2.3.1 RGB Sensor
  - 2.3.2 Infrared/Thermal Imaging Sensor
  - 2.3.3 Depth Sensor
  - 2.3.4 HD AI Perception Camera Sales by Sensor Types
    - 2.3.4.1 Global HD AI Perception Camera Sales Market Share by Sensor Types (2021-2026)
    - 2.3.4.2 Global HD AI Perception Camera Revenue and Market Share by Sensor Types (2021-2026)
    - 2.3.4.3 Global HD AI Perception Camera Sale Price by Sensor Types (2021-2026)

## 2.4 HD AI Perception Camera Segment Frame Rate

### 2.4.1 Low Frame Rate (1-10fps)

### 2.4.2 Medium Frame Rate (10-30fps)

### 2.4.3 High Frame Rate (30fps and Above)

### 2.4.4 HD AI Perception Camera Sales Frame Rate

#### 2.4.4.1 Global HD AI Perception Camera Sales Market Share Frame Rate (2021-2026)

#### 2.4.4.2 Global HD AI Perception Camera Revenue and Market Share Frame Rate (2021-2026)

#### 2.4.4.3 Global HD AI Perception Camera Sale Price Frame Rate (2021-2026)

## 2.5 HD AI Perception Camera Segment by Application

### 2.5.1 Transportation

### 2.5.2 Security

### 2.5.3 Construction

### 2.5.4 Industrial

### 2.5.5 Financial

### 2.5.6 Others

### 2.5.7 HD AI Perception Camera Sales by Application

#### 2.5.7.1 Global HD AI Perception Camera Sale Market Share by Application (2021-2026)

#### 2.5.7.2 Global HD AI Perception Camera Revenue and Market Share by Application (2021-2026)

#### 2.5.7.3 Global HD AI Perception Camera Sale Price by Application (2021-2026)

## 3 GLOBAL BY COMPANY

### 3.1 Global HD AI Perception Camera Breakdown Data by Company

#### 3.1.1 Global HD AI Perception Camera Annual Sales by Company (2021-2026)

#### 3.1.2 Global HD AI Perception Camera Sales Market Share by Company (2021-2026)

### 3.2 Global HD AI Perception Camera Annual Revenue by Company (2021-2026)

#### 3.2.1 Global HD AI Perception Camera Revenue by Company (2021-2026)

#### 3.2.2 Global HD AI Perception Camera Revenue Market Share by Company (2021-2026)

### 3.3 Global HD AI Perception Camera Sale Price by Company

### 3.4 Key Manufacturers HD AI Perception Camera Producing Area Distribution, Sales Area, Product Type

#### 3.4.1 Key Manufacturers HD AI Perception Camera Product Location Distribution

#### 3.4.2 Players HD AI Perception 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 HD AI PERCEPTION CAMERA BY GEOGRAPHIC REGION**

- 4.1 World Historic HD AI Perception Camera Market Size by Geographic Region (2021-2026)
  - 4.1.1 Global HD AI Perception Camera Annual Sales by Geographic Region (2021-2026)
  - 4.1.2 Global HD AI Perception Camera Annual Revenue by Geographic Region (2021-2026)
- 4.2 World Historic HD AI Perception Camera Market Size by Country/Region (2021-2026)
  - 4.2.1 Global HD AI Perception Camera Annual Sales by Country/Region (2021-2026)
  - 4.2.2 Global HD AI Perception Camera Annual Revenue by Country/Region (2021-2026)
- 4.3 Americas HD AI Perception Camera Sales Growth
- 4.4 APAC HD AI Perception Camera Sales Growth
- 4.5 Europe HD AI Perception Camera Sales Growth
- 4.6 Middle East & Africa HD AI Perception Camera Sales Growth

## **5 AMERICAS**

- 5.1 Americas HD AI Perception Camera Sales by Country
  - 5.1.1 Americas HD AI Perception Camera Sales by Country (2021-2026)
  - 5.1.2 Americas HD AI Perception Camera Revenue by Country (2021-2026)
- 5.2 Americas HD AI Perception Camera Sales by Type (2021-2026)
- 5.3 Americas HD AI Perception Camera Sales by Application (2021-2026)
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Brazil

## **6 APAC**

- 6.1 APAC HD AI Perception Camera Sales by Region

- 6.1.1 APAC HD AI Perception Camera Sales by Region (2021-2026)
- 6.1.2 APAC HD AI Perception Camera Revenue by Region (2021-2026)
- 6.2 APAC HD AI Perception Camera Sales by Type (2021-2026)
- 6.3 APAC HD AI Perception 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 HD AI Perception Camera by Country
  - 7.1.1 Europe HD AI Perception Camera Sales by Country (2021-2026)
  - 7.1.2 Europe HD AI Perception Camera Revenue by Country (2021-2026)
- 7.2 Europe HD AI Perception Camera Sales by Type (2021-2026)
- 7.3 Europe HD AI Perception 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 HD AI Perception Camera by Country
  - 8.1.1 Middle East & Africa HD AI Perception Camera Sales by Country (2021-2026)
  - 8.1.2 Middle East & Africa HD AI Perception Camera Revenue by Country (2021-2026)
- 8.2 Middle East & Africa HD AI Perception Camera Sales by Type (2021-2026)
- 8.3 Middle East & Africa HD AI Perception 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 HD AI Perception Camera
- 10.3 Manufacturing Process Analysis of HD AI Perception Camera
- 10.4 Industry Chain Structure of HD AI Perception Camera

## **11 MARKETING, DISTRIBUTORS AND CUSTOMER**

- 11.1 Sales Channel
  - 11.1.1 Direct Channels
  - 11.1.2 Indirect Channels
- 11.2 HD AI Perception Camera Distributors
- 11.3 HD AI Perception Camera Customer

## **12 WORLD FORECAST REVIEW FOR HD AI PERCEPTION CAMERA BY GEOGRAPHIC REGION**

- 12.1 Global HD AI Perception Camera Market Size Forecast by Region
  - 12.1.1 Global HD AI Perception Camera Forecast by Region (2027-2032)
  - 12.1.2 Global HD AI Perception 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 HD AI Perception Camera Forecast by Type (2027-2032)
- 12.7 Global HD AI Perception Camera Forecast by Application (2027-2032)

## **13 KEY PLAYERS ANALYSIS**

- 13.1 Axis Communications
  - 13.1.1 Axis Communications Company Information

13.1.2 Axis Communications HD AI Perception Camera Product Portfolios and Specifications

13.1.3 Axis Communications HD AI Perception Camera Sales, Revenue, Price and Gross Margin (2021-2026)

13.1.4 Axis Communications Main Business Overview

13.1.5 Axis Communications Latest Developments

13.2 Bosch Security Systems

13.2.1 Bosch Security Systems Company Information

13.2.2 Bosch Security Systems HD AI Perception Camera Product Portfolios and Specifications

13.2.3 Bosch Security Systems HD AI Perception Camera Sales, Revenue, Price and Gross Margin (2021-2026)

13.2.4 Bosch Security Systems Main Business Overview

13.2.5 Bosch Security Systems Latest Developments

13.3 Hanwha Techwin

13.3.1 Hanwha Techwin Company Information

13.3.2 Hanwha Techwin HD AI Perception Camera Product Portfolios and Specifications

13.3.3 Hanwha Techwin HD AI Perception Camera Sales, Revenue, Price and Gross Margin (2021-2026)

13.3.4 Hanwha Techwin Main Business Overview

13.3.5 Hanwha Techwin Latest Developments

13.4 Arlo Technologies

13.4.1 Arlo Technologies Company Information

13.4.2 Arlo Technologies HD AI Perception Camera Product Portfolios and Specifications

13.4.3 Arlo Technologies HD AI Perception Camera Sales, Revenue, Price and Gross Margin (2021-2026)

13.4.4 Arlo Technologies Main Business Overview

13.4.5 Arlo Technologies Latest Developments

13.5 Cisco

13.5.1 Cisco Company Information

13.5.2 Cisco HD AI Perception Camera Product Portfolios and Specifications

13.5.3 Cisco HD AI Perception Camera Sales, Revenue, Price and Gross Margin (2021-2026)

13.5.4 Cisco Main Business Overview

13.5.5 Cisco Latest Developments

13.6 Logitech

13.6.1 Logitech Company Information

- 13.6.2 Logitech HD AI Perception Camera Product Portfolios and Specifications
- 13.6.3 Logitech HD AI Perception Camera Sales, Revenue, Price and Gross Margin (2021-2026)
- 13.6.4 Logitech Main Business Overview
- 13.6.5 Logitech Latest Developments
- 13.7 EZVIZ
  - 13.7.1 EZVIZ Company Information
  - 13.7.2 EZVIZ HD AI Perception Camera Product Portfolios and Specifications
  - 13.7.3 EZVIZ HD AI Perception Camera Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.7.4 EZVIZ Main Business Overview
  - 13.7.5 EZVIZ Latest Developments
- 13.8 Hikvision
  - 13.8.1 Hikvision Company Information
  - 13.8.2 Hikvision HD AI Perception Camera Product Portfolios and Specifications
  - 13.8.3 Hikvision HD AI Perception Camera Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.8.4 Hikvision Main Business Overview
  - 13.8.5 Hikvision Latest Developments
- 13.9 MEGVII
  - 13.9.1 MEGVII Company Information
  - 13.9.2 MEGVII HD AI Perception Camera Product Portfolios and Specifications
  - 13.9.3 MEGVII HD AI Perception Camera Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.9.4 MEGVII Main Business Overview
  - 13.9.5 MEGVII Latest Developments
- 13.10 GUANGZHOU BOSMA CORP
  - 13.10.1 GUANGZHOU BOSMA CORP Company Information
  - 13.10.2 GUANGZHOU BOSMA CORP HD AI Perception Camera Product Portfolios and Specifications
  - 13.10.3 GUANGZHOU BOSMA CORP HD AI Perception Camera Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.10.4 GUANGZHOU BOSMA CORP Main Business Overview
  - 13.10.5 GUANGZHOU BOSMA CORP Latest Developments
- 13.11 ALCIDAE
  - 13.11.1 ALCIDAE Company Information
  - 13.11.2 ALCIDAE HD AI Perception Camera Product Portfolios and Specifications
  - 13.11.3 ALCIDAE HD AI Perception Camera Sales, Revenue, Price and Gross Margin (2021-2026)

- 13.11.4 ALCIDAE Main Business Overview
- 13.11.5 ALCIDAE Latest Developments
- 13.12 SmartSens Technology
  - 13.12.1 SmartSens Technology Company Information
  - 13.12.2 SmartSens Technology HD AI Perception Camera Product Portfolios and Specifications
  - 13.12.3 SmartSens Technology HD AI Perception Camera Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.12.4 SmartSens Technology Main Business Overview
  - 13.12.5 SmartSens Technology Latest Developments
- 13.13 KINGSUN
  - 13.13.1 KINGSUN Company Information
  - 13.13.2 KINGSUN HD AI Perception Camera Product Portfolios and Specifications
  - 13.13.3 KINGSUN HD AI Perception Camera Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.13.4 KINGSUN Main Business Overview
  - 13.13.5 KINGSUN Latest Developments
- 13.14 Reolink
  - 13.14.1 Reolink Company Information
  - 13.14.2 Reolink HD AI Perception Camera Product Portfolios and Specifications
  - 13.14.3 Reolink HD AI Perception Camera Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.14.4 Reolink Main Business Overview
  - 13.14.5 Reolink Latest Developments
- 13.15 HUNAN SHARING
  - 13.15.1 HUNAN SHARING Company Information
  - 13.15.2 HUNAN SHARING HD AI Perception Camera Product Portfolios and Specifications
  - 13.15.3 HUNAN SHARING HD AI Perception Camera Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.15.4 HUNAN SHARING Main Business Overview
  - 13.15.5 HUNAN SHARING Latest Developments
- 13.16 Maxvision
  - 13.16.1 Maxvision Company Information
  - 13.16.2 Maxvision HD AI Perception Camera Product Portfolios and Specifications
  - 13.16.3 Maxvision HD AI Perception Camera Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.16.4 Maxvision Main Business Overview
  - 13.16.5 Maxvision Latest Developments

### 13.17 Dahua Technology

#### 13.17.1 Dahua Technology Company Information

#### 13.17.2 Dahua Technology HD AI Perception Camera Product Portfolios and Specifications

#### 13.17.3 Dahua Technology HD AI Perception Camera Sales, Revenue, Price and Gross Margin (2021-2026)

#### 13.17.4 Dahua Technology Main Business Overview

#### 13.17.5 Dahua Technology Latest Developments

### 13.18 CGU

#### 13.18.1 CGU Company Information

#### 13.18.2 CGU HD AI Perception Camera Product Portfolios and Specifications

#### 13.18.3 CGU HD AI Perception Camera Sales, Revenue, Price and Gross Margin (2021-2026)

#### 13.18.4 CGU Main Business Overview

#### 13.18.5 CGU Latest Developments

## 14 RESEARCH FINDINGS AND CONCLUSION

## List Of Tables

### LIST OF TABLES

- Table 1. HD AI Perception Camera Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Table 2. HD AI Perception Camera Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)
- Table 3. Major Players of Cylinder Machine
- Table 4. Major Players of Hemisphere
- Table 5. Global HD AI Perception Camera Sales by Type (2021-2026) & (K Units)
- Table 6. Global HD AI Perception Camera Sales Market Share by Type (2021-2026)
- Table 7. Global HD AI Perception Camera Revenue by Type (2021-2026) & (\$ million)
- Table 8. Global HD AI Perception Camera Revenue Market Share by Type (2021-2026)
- Table 9. Global HD AI Perception Camera Sale Price by Type (2021-2026) & (US\$/Unit)
- Table 10. Major Players of RGB Sensor
- Table 11. Major Players of Infrared/Thermal Imaging Sensor
- Table 12. Major Players of Depth Sensor
- Table 13. Global HD AI Perception Camera Sales by Sensor Types (2021-2026) & (K Units)
- Table 14. Global HD AI Perception Camera Sales Market Share by Sensor Types (2021-2026)
- Table 15. Global HD AI Perception Camera Revenue by Sensor Types (2021-2026) & (\$ million)
- Table 16. Global HD AI Perception Camera Revenue Market Share by Sensor Types (2021-2026)
- Table 17. Global HD AI Perception Camera Sale Price by Sensor Types (2021-2026) & (US\$/Unit)
- Table 18. Major Players of Low Frame Rate (1-10fps)
- Table 19. Major Players of Medium Frame Rate (10-30fps)
- Table 20. Major Players of High Frame Rate (30fps and Above)
- Table 21. Global HD AI Perception Camera Sales Frame Rate (2021-2026) & (K Units)
- Table 22. Global HD AI Perception Camera Sales Market Share Frame Rate (2021-2026)
- Table 23. Global HD AI Perception Camera Revenue Frame Rate (2021-2026) & (\$ million)
- Table 24. Global HD AI Perception Camera Revenue Market Share Frame Rate (2021-2026)
- Table 25. Global HD AI Perception Camera Sale Price Frame Rate (2021-2026) &

(US\$/Unit)

Table 26. Global HD AI Perception Camera Sale by Application (2021-2026) & (K Units)

Table 27. Global HD AI Perception Camera Sale Market Share by Application (2021-2026)

Table 28. Global HD AI Perception Camera Revenue by Application (2021-2026) & (\$ million)

Table 29. Global HD AI Perception Camera Revenue Market Share by Application (2021-2026)

Table 30. Global HD AI Perception Camera Sale Price by Application (2021-2026) & (US\$/Unit)

Table 31. Global HD AI Perception Camera Sales by Company (2021-2026) & (K Units)

Table 32. Global HD AI Perception Camera Sales Market Share by Company (2021-2026)

Table 33. Global HD AI Perception Camera Revenue by Company (2021-2026) & (\$ millions)

Table 34. Global HD AI Perception Camera Revenue Market Share by Company (2021-2026)

Table 35. Global HD AI Perception Camera Sale Price by Company (2021-2026) & (US\$/Unit)

Table 36. Key Manufacturers HD AI Perception Camera Producing Area Distribution and Sales Area

Table 37. Players HD AI Perception Camera Products Offered

Table 38. HD AI Perception Camera Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

Table 39. New Products and Potential Entrants

Table 40. Market M&A Activity & Strategy

Table 41. Global HD AI Perception Camera Sales by Geographic Region (2021-2026) & (K Units)

Table 42. Global HD AI Perception Camera Sales Market Share Geographic Region (2021-2026)

Table 43. Global HD AI Perception Camera Revenue by Geographic Region (2021-2026) & (\$ millions)

Table 44. Global HD AI Perception Camera Revenue Market Share by Geographic Region (2021-2026)

Table 45. Global HD AI Perception Camera Sales by Country/Region (2021-2026) & (K Units)

Table 46. Global HD AI Perception Camera Sales Market Share by Country/Region (2021-2026)

Table 47. Global HD AI Perception Camera Revenue by Country/Region (2021-2026) &

(\$ millions)

Table 48. Global HD AI Perception Camera Revenue Market Share by Country/Region (2021-2026)

Table 49. Americas HD AI Perception Camera Sales by Country (2021-2026) & (K Units)

Table 50. Americas HD AI Perception Camera Sales Market Share by Country (2021-2026)

Table 51. Americas HD AI Perception Camera Revenue by Country (2021-2026) & (\$ millions)

Table 52. Americas HD AI Perception Camera Sales by Type (2021-2026) & (K Units)

Table 53. Americas HD AI Perception Camera Sales by Application (2021-2026) & (K Units)

Table 54. APAC HD AI Perception Camera Sales by Region (2021-2026) & (K Units)

Table 55. APAC HD AI Perception Camera Sales Market Share by Region (2021-2026)

Table 56. APAC HD AI Perception Camera Revenue by Region (2021-2026) & (\$ millions)

Table 57. APAC HD AI Perception Camera Sales by Type (2021-2026) & (K Units)

Table 58. APAC HD AI Perception Camera Sales by Application (2021-2026) & (K Units)

Table 59. Europe HD AI Perception Camera Sales by Country (2021-2026) & (K Units)

Table 60. Europe HD AI Perception Camera Revenue by Country (2021-2026) & (\$ millions)

Table 61. Europe HD AI Perception Camera Sales by Type (2021-2026) & (K Units)

Table 62. Europe HD AI Perception Camera Sales by Application (2021-2026) & (K Units)

Table 63. Middle East & Africa HD AI Perception Camera Sales by Country (2021-2026) & (K Units)

Table 64. Middle East & Africa HD AI Perception Camera Revenue Market Share by Country (2021-2026)

Table 65. Middle East & Africa HD AI Perception Camera Sales by Type (2021-2026) & (K Units)

Table 66. Middle East & Africa HD AI Perception Camera Sales by Application (2021-2026) & (K Units)

Table 67. Key Market Drivers & Growth Opportunities of HD AI Perception Camera

Table 68. Key Market Challenges & Risks of HD AI Perception Camera

Table 69. Key Industry Trends of HD AI Perception Camera

Table 70. HD AI Perception Camera Raw Material

Table 71. Key Suppliers of Raw Materials

Table 72. HD AI Perception Camera Distributors List

Table 73. HD AI Perception Camera Customer List

Table 74. Global HD AI Perception Camera Sales Forecast by Region (2027-2032) & (K Units)

Table 75. Global HD AI Perception Camera Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 76. Americas HD AI Perception Camera Sales Forecast by Country (2027-2032) & (K Units)

Table 77. Americas HD AI Perception Camera Annual Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 78. APAC HD AI Perception Camera Sales Forecast by Region (2027-2032) & (K Units)

Table 79. APAC HD AI Perception Camera Annual Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 80. Europe HD AI Perception Camera Sales Forecast by Country (2027-2032) & (K Units)

Table 81. Europe HD AI Perception Camera Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 82. Middle East & Africa HD AI Perception Camera Sales Forecast by Country (2027-2032) & (K Units)

Table 83. Middle East & Africa HD AI Perception Camera Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 84. Global HD AI Perception Camera Sales Forecast by Type (2027-2032) & (K Units)

Table 85. Global HD AI Perception Camera Revenue Forecast by Type (2027-2032) & (\$ millions)

Table 86. Global HD AI Perception Camera Sales Forecast by Application (2027-2032) & (K Units)

Table 87. Global HD AI Perception Camera Revenue Forecast by Application (2027-2032) & (\$ millions)

Table 88. Axis Communications Basic Information, HD AI Perception Camera Manufacturing Base, Sales Area and Its Competitors

Table 89. Axis Communications HD AI Perception Camera Product Portfolios and Specifications

Table 90. Axis Communications HD AI Perception Camera Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 91. Axis Communications Main Business

Table 92. Axis Communications Latest Developments

Table 93. Bosch Security Systems Basic Information, HD AI Perception Camera Manufacturing Base, Sales Area and Its Competitors

Table 94. Bosch Security Systems HD AI Perception Camera Product Portfolios and Specifications

Table 95. Bosch Security Systems HD AI Perception Camera Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 96. Bosch Security Systems Main Business

Table 97. Bosch Security Systems Latest Developments

Table 98. Hanwha Techwin Basic Information, HD AI Perception Camera Manufacturing Base, Sales Area and Its Competitors

Table 99. Hanwha Techwin HD AI Perception Camera Product Portfolios and Specifications

Table 100. Hanwha Techwin HD AI Perception Camera Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 101. Hanwha Techwin Main Business

Table 102. Hanwha Techwin Latest Developments

Table 103. Arlo Technologies Basic Information, HD AI Perception Camera Manufacturing Base, Sales Area and Its Competitors

Table 104. Arlo Technologies HD AI Perception Camera Product Portfolios and Specifications

Table 105. Arlo Technologies HD AI Perception Camera Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 106. Arlo Technologies Main Business

Table 107. Arlo Technologies Latest Developments

Table 108. Cisco Basic Information, HD AI Perception Camera Manufacturing Base, Sales Area and Its Competitors

Table 109. Cisco HD AI Perception Camera Product Portfolios and Specifications

Table 110. Cisco HD AI Perception Camera Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 111. Cisco Main Business

Table 112. Cisco Latest Developments

Table 113. Logitech Basic Information, HD AI Perception Camera Manufacturing Base, Sales Area and Its Competitors

Table 114. Logitech HD AI Perception Camera Product Portfolios and Specifications

Table 115. Logitech HD AI Perception Camera Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 116. Logitech Main Business

Table 117. Logitech Latest Developments

Table 118. EZVIZ Basic Information, HD AI Perception Camera Manufacturing Base, Sales Area and Its Competitors

Table 119. EZVIZ HD AI Perception Camera Product Portfolios and Specifications

Table 120. EZVIZ HD AI Perception Camera Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 121. EZVIZ Main Business

Table 122. EZVIZ Latest Developments

Table 123. Hikvision Basic Information, HD AI Perception Camera Manufacturing Base, Sales Area and Its Competitors

Table 124. Hikvision HD AI Perception Camera Product Portfolios and Specifications

Table 125. Hikvision HD AI Perception Camera Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 126. Hikvision Main Business

Table 127. Hikvision Latest Developments

Table 128. MEGVII Basic Information, HD AI Perception Camera Manufacturing Base, Sales Area and Its Competitors

Table 129. MEGVII HD AI Perception Camera Product Portfolios and Specifications

Table 130. MEGVII HD AI Perception Camera Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 131. MEGVII Main Business

Table 132. MEGVII Latest Developments

Table 133. GUANGZHOU BOSMA CORP Basic Information, HD AI Perception Camera Manufacturing Base, Sales Area and Its Competitors

Table 134. GUANGZHOU BOSMA CORP HD AI Perception Camera Product Portfolios and Specifications

Table 135. GUANGZHOU BOSMA CORP HD AI Perception Camera Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 136. GUANGZHOU BOSMA CORP Main Business

Table 137. GUANGZHOU BOSMA CORP Latest Developments

Table 138. ALCIDAE Basic Information, HD AI Perception Camera Manufacturing Base, Sales Area and Its Competitors

Table 139. ALCIDAE HD AI Perception Camera Product Portfolios and Specifications

Table 140. ALCIDAE HD AI Perception Camera Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 141. ALCIDAE Main Business

Table 142. ALCIDAE Latest Developments

Table 143. SmartSens Technology Basic Information, HD AI Perception Camera Manufacturing Base, Sales Area and Its Competitors

Table 144. SmartSens Technology HD AI Perception Camera Product Portfolios and Specifications

Table 145. SmartSens Technology HD AI Perception Camera Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 146. SmartSens Technology Main Business

Table 147. SmartSens Technology Latest Developments

Table 148. KINGSUN Basic Information, HD AI Perception Camera Manufacturing Base, Sales Area and Its Competitors

Table 149. KINGSUN HD AI Perception Camera Product Portfolios and Specifications

Table 150. KINGSUN HD AI Perception Camera Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 151. KINGSUN Main Business

Table 152. KINGSUN Latest Developments

Table 153. Reolink Basic Information, HD AI Perception Camera Manufacturing Base, Sales Area and Its Competitors

Table 154. Reolink HD AI Perception Camera Product Portfolios and Specifications

Table 155. Reolink HD AI Perception Camera Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 156. Reolink Main Business

Table 157. Reolink Latest Developments

Table 158. HUNAN SHARING Basic Information, HD AI Perception Camera Manufacturing Base, Sales Area and Its Competitors

Table 159. HUNAN SHARING HD AI Perception Camera Product Portfolios and Specifications

Table 160. HUNAN SHARING HD AI Perception Camera Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 161. HUNAN SHARING Main Business

Table 162. HUNAN SHARING Latest Developments

Table 163. Maxvision Basic Information, HD AI Perception Camera Manufacturing Base, Sales Area and Its Competitors

Table 164. Maxvision HD AI Perception Camera Product Portfolios and Specifications

Table 165. Maxvision HD AI Perception Camera Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 166. Maxvision Main Business

Table 167. Maxvision Latest Developments

Table 168. Dahua Technology Basic Information, HD AI Perception Camera Manufacturing Base, Sales Area and Its Competitors

Table 169. Dahua Technology HD AI Perception Camera Product Portfolios and Specifications

Table 170. Dahua Technology HD AI Perception Camera Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 171. Dahua Technology Main Business

Table 172. Dahua Technology Latest Developments

Table 173. CGU Basic Information, HD AI Perception Camera Manufacturing Base, Sales Area and Its Competitors

Table 174. CGU HD AI Perception Camera Product Portfolios and Specifications

Table 175. CGU HD AI Perception Camera Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 176. CGU Main Business

Table 177. CGU Latest Developments

## List Of Figures

### LIST OF FIGURES

- Figure 1. Picture of HD AI Perception Camera
- Figure 2. HD AI Perception Camera Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global HD AI Perception Camera Sales Growth Rate 2021-2032 (K Units)
- Figure 7. Global HD AI Perception Camera Revenue Growth Rate 2021-2032 (\$ millions)
- Figure 8. HD AI Perception Camera Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Figure 9. HD AI Perception Camera Sales Market Share by Country/Region (2025)
- Figure 10. HD AI Perception Camera Sales Market Share by Country/Region (2021, 2025 & 2032)
- Figure 11. Product Picture of Cylinder Machine
- Figure 12. Product Picture of Hemisphere
- Figure 13. Global HD AI Perception Camera Sales Market Share by Type in 2026
- Figure 14. Global HD AI Perception Camera Revenue Market Share by Type (2021-2026)
- Figure 15. Product Picture of RGB Sensor
- Figure 16. Product Picture of Infrared/Thermal Imaging Sensor
- Figure 17. Product Picture of Depth Sensor
- Figure 18. Global HD AI Perception Camera Sales Market Share by Sensor Types in 2026
- Figure 19. Global HD AI Perception Camera Revenue Market Share by Sensor Types (2021-2026)
- Figure 20. Product Picture of Low Frame Rate (1-10fps)
- Figure 21. Product Picture of Medium Frame Rate (10-30fps)
- Figure 22. Product Picture of High Frame Rate (30fps and Above)
- Figure 23. Global HD AI Perception Camera Sales Market Share Frame Rate in 2026
- Figure 24. Global HD AI Perception Camera Revenue Market Share Frame Rate (2021-2026)
- Figure 25. HD AI Perception Camera Consumed in Transportation
- Figure 26. Global HD AI Perception Camera Market: Transportation (2021-2026) & (K Units)
- Figure 27. HD AI Perception Camera Consumed in Security

Figure 28. Global HD AI Perception Camera Market: Security (2021-2026) & (K Units)

Figure 29. HD AI Perception Camera Consumed in Construction

Figure 30. Global HD AI Perception Camera Market: Construction (2021-2026) & (K Units)

Figure 31. HD AI Perception Camera Consumed in Industrial

Figure 32. Global HD AI Perception Camera Market: Industrial (2021-2026) & (K Units)

Figure 33. HD AI Perception Camera Consumed in Financial

Figure 34. Global HD AI Perception Camera Market: Financial (2021-2026) & (K Units)

Figure 35. HD AI Perception Camera Consumed in Others

Figure 36. Global HD AI Perception Camera Market: Others (2021-2026) & (K Units)

Figure 37. Global HD AI Perception Camera Sale Market Share by Application (2025)

Figure 38. Global HD AI Perception Camera Revenue Market Share by Application in 2025

Figure 39. HD AI Perception Camera Sales by Company in 2025 (K Units)

Figure 40. Global HD AI Perception Camera Sales Market Share by Company in 2025

Figure 41. HD AI Perception Camera Revenue by Company in 2025 (\$ millions)

Figure 42. Global HD AI Perception Camera Revenue Market Share by Company in 2025

Figure 43. Global HD AI Perception Camera Sales Market Share by Geographic Region (2021-2026)

Figure 44. Global HD AI Perception Camera Revenue Market Share by Geographic Region in 2025

Figure 45. Americas HD AI Perception Camera Sales 2021-2026 (K Units)

Figure 46. Americas HD AI Perception Camera Revenue 2021-2026 (\$ millions)

Figure 47. APAC HD AI Perception Camera Sales 2021-2026 (K Units)

Figure 48. APAC HD AI Perception Camera Revenue 2021-2026 (\$ millions)

Figure 49. Europe HD AI Perception Camera Sales 2021-2026 (K Units)

Figure 50. Europe HD AI Perception Camera Revenue 2021-2026 (\$ millions)

Figure 51. Middle East & Africa HD AI Perception Camera Sales 2021-2026 (K Units)

Figure 52. Middle East & Africa HD AI Perception Camera Revenue 2021-2026 (\$ millions)

Figure 53. Americas HD AI Perception Camera Sales Market Share by Country in 2025

Figure 54. Americas HD AI Perception Camera Revenue Market Share by Country (2021-2026)

Figure 55. Americas HD AI Perception Camera Sales Market Share by Type (2021-2026)

Figure 56. Americas HD AI Perception Camera Sales Market Share by Application (2021-2026)

Figure 57. United States HD AI Perception Camera Revenue Growth 2021-2026 (\$

millions)

Figure 58. Canada HD AI Perception Camera Revenue Growth 2021-2026 (\$ millions)

Figure 59. Mexico HD AI Perception Camera Revenue Growth 2021-2026 (\$ millions)

Figure 60. Brazil HD AI Perception Camera Revenue Growth 2021-2026 (\$ millions)

Figure 61. APAC HD AI Perception Camera Sales Market Share by Region in 2025

Figure 62. APAC HD AI Perception Camera Revenue Market Share by Region  
(2021-2026)

Figure 63. APAC HD AI Perception Camera Sales Market Share by Type (2021-2026)

Figure 64. APAC HD AI Perception Camera Sales Market Share by Application  
(2021-2026)

Figure 65. China HD AI Perception Camera Revenue Growth 2021-2026 (\$ millions)

Figure 66. Japan HD AI Perception Camera Revenue Growth 2021-2026 (\$ millions)

Figure 67. South Korea HD AI Perception Camera Revenue Growth 2021-2026 (\$  
millions)

Figure 68. Southeast Asia HD AI Perception Camera Revenue Growth 2021-2026 (\$  
millions)

Figure 69. India HD AI Perception Camera Revenue Growth 2021-2026 (\$ millions)

Figure 70. Australia HD AI Perception Camera Revenue Growth 2021-2026 (\$ millions)

Figure 71. China Taiwan HD AI Perception Camera Revenue Growth 2021-2026 (\$  
millions)

Figure 72. Europe HD AI Perception Camera Sales Market Share by Country in 2025

Figure 73. Europe HD AI Perception Camera Revenue Market Share by Country  
(2021-2026)

Figure 74. Europe HD AI Perception Camera Sales Market Share by Type (2021-2026)

Figure 75. Europe HD AI Perception Camera Sales Market Share by Application  
(2021-2026)

Figure 76. Germany HD AI Perception Camera Revenue Growth 2021-2026 (\$ millions)

Figure 77. France HD AI Perception Camera Revenue Growth 2021-2026 (\$ millions)

Figure 78. UK HD AI Perception Camera Revenue Growth 2021-2026 (\$ millions)

Figure 79. Italy HD AI Perception Camera Revenue Growth 2021-2026 (\$ millions)

Figure 80. Russia HD AI Perception Camera Revenue Growth 2021-2026 (\$ millions)

Figure 81. Middle East & Africa HD AI Perception Camera Sales Market Share by  
Country (2021-2026)

Figure 82. Middle East & Africa HD AI Perception Camera Sales Market Share by Type  
(2021-2026)

Figure 83. Middle East & Africa HD AI Perception Camera Sales Market Share by  
Application (2021-2026)

Figure 84. Egypt HD AI Perception Camera Revenue Growth 2021-2026 (\$ millions)

Figure 85. South Africa HD AI Perception Camera Revenue Growth 2021-2026 (\$

millions)

Figure 86. Israel HD AI Perception Camera Revenue Growth 2021-2026 (\$ millions)

Figure 87. Turkey HD AI Perception Camera Revenue Growth 2021-2026 (\$ millions)

Figure 88. GCC Countries HD AI Perception Camera Revenue Growth 2021-2026 (\$ millions)

Figure 89. Manufacturing Cost Structure Analysis of HD AI Perception Camera in 2026

Figure 90. Manufacturing Process Analysis of HD AI Perception Camera

Figure 91. Industry Chain Structure of HD AI Perception Camera

Figure 92. Channels of Distribution

Figure 93. Global HD AI Perception Camera Sales Market Forecast by Region (2027-2032)

Figure 94. Global HD AI Perception Camera Revenue Market Share Forecast by Region (2027-2032)

Figure 95. Global HD AI Perception Camera Sales Market Share Forecast by Type (2027-2032)

Figure 96. Global HD AI Perception Camera Revenue Market Share Forecast by Type (2027-2032)

Figure 97. Global HD AI Perception Camera Sales Market Share Forecast by Application (2027-2032)

Figure 98. Global HD AI Perception Camera Revenue Market Share Forecast by Application (2027-2032)

## I would like to order

Product name: Global HD AI Perception Camera Market Growth 2026-2032

Product link: <https://marketpublishers.com/r/GB1EC062BF11EN.html>

Price: US\$ 3,660.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GB1EC062BF11EN.html>