

# Global Humanoid Robot Vision Sensor Module Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/GD03197DEE98EN.html>

Date: May 2026

Pages: 133

Price: US\$ 4,480.00 (Single User License)

ID: GD03197DEE98EN

## Abstracts

The global Humanoid Robot Vision Sensor Module market size is expected to reach \$ 5057 million by 2032, rising at a market growth of 27.0% CAGR during the forecast period (2026-2032).

In 2025, global Humanoid Robot Vision Sensor Module production reached approximately 2.19 million units, with an average global market price of around US\$420 per unit.

The gross profit margin of major companies in the industry is between 28% ? 46%.

In 2025, the global production capacity of Humanoid Robot Vision Sensor Module was approximately 2.92 million units.

Humanoid Robot Vision Sensor Module is a perception component integrating image sensing, depth acquisition, and signal processing functions for humanoid robotic systems. It supports object recognition, spatial positioning, motion tracking, and environment understanding, enabling more autonomous interaction and task execution. As humanoid robotics advances, vision modules are becoming key hardware for perception accuracy and adaptive decision support.

The industrial chain of Humanoid Robot Vision Sensor Module includes upstream image sensors, depth chips, lenses, processors, flexible boards, connectors, and housings. Midstream covers module design, optical calibration, embedded algorithm integration, assembly, and testing. Downstream applications mainly include humanoid robots, service robots, industrial collaborative robots, research platforms, and embodied intelligence systems.

This report studies the global Humanoid Robot Vision Sensor Module production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Humanoid Robot Vision Sensor Module and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Humanoid Robot Vision Sensor Module that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Humanoid Robot Vision Sensor Module total production and demand, 2021-2032, (K Units)

Global Humanoid Robot Vision Sensor Module total production value, 2021-2032, (USD Million)

Global Humanoid Robot Vision Sensor Module production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Humanoid Robot Vision Sensor Module consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Humanoid Robot Vision Sensor Module domestic production, consumption, key domestic manufacturers and share

Global Humanoid Robot Vision Sensor Module production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Humanoid Robot Vision Sensor Module production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Humanoid Robot Vision Sensor Module production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Humanoid Robot Vision Sensor Module market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Omron, Keyence, Intel RealSense, Cognex, Stereolabs, STMicroelectronics, Basler, Samsung Electro-Mechanics, LG Innotek, Orbbec, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Humanoid Robot Vision Sensor Module market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

### Global Humanoid Robot Vision Sensor Module Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

### Global Humanoid Robot Vision Sensor Module Market, Segmentation by Type:

RGB Vision Sensor Module

Depth Vision Sensor Module

Stereo Vision Sensor Module

## Global Humanoid Robot Vision Sensor Module Market, Segmentation by Mounting Position:

Head-mounted Vision Sensor Module

Chest-mounted Vision Sensor Module

End-effector Vision Sensor Module

## Global Humanoid Robot Vision Sensor Module Market, Segmentation by Perception Function:

Object Recognition Sensor Module

Environmental Mapping Sensor Module

Gesture and Human Tracking Sensor Module

## Global Humanoid Robot Vision Sensor Module Market, Segmentation by Application:

Industrial Service Robot

Commercial Service Robot

Home Companion Robot

Other

## Companies Profiled:

Omron

Keyence

Intel RealSense

Cognex

Stereolabs

STMicroelectronics

Basler

Samsung Electro-Mechanics

LG Innotek

Orbbec

Sunny Optical

Will Semi

RoboSense

Hesai Group

**Key Questions Answered:**

1. How big is the global Humanoid Robot Vision Sensor Module market?
2. What is the demand of the global Humanoid Robot Vision Sensor Module market?
3. What is the year over year growth of the global Humanoid Robot Vision Sensor Module market?
4. What is the production and production value of the global Humanoid Robot Vision Sensor Module market?
5. Who are the key producers in the global Humanoid Robot Vision Sensor Module market?
6. What are the growth factors driving the market demand?

## Contents

### 1 SUPPLY SUMMARY

- 1.1 Humanoid Robot Vision Sensor Module Introduction
- 1.2 World Humanoid Robot Vision Sensor Module Supply & Forecast
  - 1.2.1 World Humanoid Robot Vision Sensor Module Production Value (2021 & 2025 & 2032)
  - 1.2.2 World Humanoid Robot Vision Sensor Module Production (2021-2032)
  - 1.2.3 World Humanoid Robot Vision Sensor Module Pricing Trends (2021-2032)
- 1.3 World Humanoid Robot Vision Sensor Module Production by Region (Based on Production Site)
  - 1.3.1 World Humanoid Robot Vision Sensor Module Production Value by Region (2021-2032)
  - 1.3.2 World Humanoid Robot Vision Sensor Module Production by Region (2021-2032)
  - 1.3.3 World Humanoid Robot Vision Sensor Module Average Price by Region (2021-2032)
  - 1.3.4 North America Humanoid Robot Vision Sensor Module Production (2021-2032)
  - 1.3.5 Europe Humanoid Robot Vision Sensor Module Production (2021-2032)
  - 1.3.6 China Humanoid Robot Vision Sensor Module Production (2021-2032)
  - 1.3.7 Japan Humanoid Robot Vision Sensor Module Production (2021-2032)
  - 1.3.8 South Korea Humanoid Robot Vision Sensor Module Production (2021-2032)
  - 1.3.9 Southeast Asia Humanoid Robot Vision Sensor Module Production (2021-2032)
  - 1.3.10 China Taiwan Humanoid Robot Vision Sensor Module Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
  - 1.4.1 Humanoid Robot Vision Sensor Module Market Drivers
  - 1.4.2 Factors Affecting Demand
  - 1.4.3 Humanoid Robot Vision Sensor Module Major Market Trends

### 2 DEMAND SUMMARY

- 2.1 World Humanoid Robot Vision Sensor Module Demand (2021-2032)
- 2.2 World Humanoid Robot Vision Sensor Module Consumption by Region
  - 2.2.1 World Humanoid Robot Vision Sensor Module Consumption by Region (2021-2026)
  - 2.2.2 World Humanoid Robot Vision Sensor Module Consumption Forecast by Region (2027-2032)
- 2.3 United States Humanoid Robot Vision Sensor Module Consumption (2021-2032)

- 2.4 China Humanoid Robot Vision Sensor Module Consumption (2021-2032)
- 2.5 Europe Humanoid Robot Vision Sensor Module Consumption (2021-2032)
- 2.6 Japan Humanoid Robot Vision Sensor Module Consumption (2021-2032)
- 2.7 South Korea Humanoid Robot Vision Sensor Module Consumption (2021-2032)
- 2.8 ASEAN Humanoid Robot Vision Sensor Module Consumption (2021-2032)
- 2.9 India Humanoid Robot Vision Sensor Module Consumption (2021-2032)

### **3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS**

- 3.1 World Humanoid Robot Vision Sensor Module Production Value by Manufacturer (2021-2026)
- 3.2 World Humanoid Robot Vision Sensor Module Production by Manufacturer (2021-2026)
- 3.3 World Humanoid Robot Vision Sensor Module Average Price by Manufacturer (2021-2026)
- 3.4 Humanoid Robot Vision Sensor Module Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
  - 3.5.1 Global Humanoid Robot Vision Sensor Module Industry Rank of Major Manufacturers
  - 3.5.2 Global Concentration Ratios (CR4) for Humanoid Robot Vision Sensor Module in 2025
  - 3.5.3 Global Concentration Ratios (CR8) for Humanoid Robot Vision Sensor Module in 2025
- 3.6 Humanoid Robot Vision Sensor Module Market: Overall Company Footprint Analysis
  - 3.6.1 Humanoid Robot Vision Sensor Module Market: Region Footprint
  - 3.6.2 Humanoid Robot Vision Sensor Module Market: Company Product Type Footprint
  - 3.6.3 Humanoid Robot Vision Sensor Module Market: Company Product Application Footprint
- 3.7 Competitive Environment
  - 3.7.1 Historical Structure of the Industry
  - 3.7.2 Barriers of Market Entry
  - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

### **4 UNITED STATES VS CHINA VS REST OF THE WORLD**

#### 4.1 United States VS China: Humanoid Robot Vision Sensor Module Production Value Comparison

4.1.1 United States VS China: Humanoid Robot Vision Sensor Module Production Value Comparison (2021 & 2025 & 2032)

4.1.2 United States VS China: Humanoid Robot Vision Sensor Module Production Value Market Share Comparison (2021 & 2025 & 2032)

#### 4.2 United States VS China: Humanoid Robot Vision Sensor Module Production Comparison

4.2.1 United States VS China: Humanoid Robot Vision Sensor Module Production Comparison (2021 & 2025 & 2032)

4.2.2 United States VS China: Humanoid Robot Vision Sensor Module Production Market Share Comparison (2021 & 2025 & 2032)

#### 4.3 United States VS China: Humanoid Robot Vision Sensor Module Consumption Comparison

4.3.1 United States VS China: Humanoid Robot Vision Sensor Module Consumption Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: Humanoid Robot Vision Sensor Module Consumption Market Share Comparison (2021 & 2025 & 2032)

#### 4.4 United States Based Humanoid Robot Vision Sensor Module Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Humanoid Robot Vision Sensor Module Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Humanoid Robot Vision Sensor Module Production Value (2021-2026)

4.4.3 United States Based Manufacturers Humanoid Robot Vision Sensor Module Production (2021-2026)

#### 4.5 China Based Humanoid Robot Vision Sensor Module Manufacturers and Market Share

4.5.1 China Based Humanoid Robot Vision Sensor Module Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Humanoid Robot Vision Sensor Module Production Value (2021-2026)

4.5.3 China Based Manufacturers Humanoid Robot Vision Sensor Module Production (2021-2026)

#### 4.6 Rest of World Based Humanoid Robot Vision Sensor Module Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Humanoid Robot Vision Sensor Module Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Humanoid Robot Vision Sensor Module

Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Humanoid Robot Vision Sensor Module  
Production (2021-2026)

## **5 MARKET ANALYSIS BY TYPE**

5.1 World Humanoid Robot Vision Sensor Module Market Size Overview by Type: 2021  
VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 RGB Vision Sensor Module

5.2.2 Depth Vision Sensor Module

5.2.3 Stereo Vision Sensor Module

5.3 Market Segment by Type

5.3.1 World Humanoid Robot Vision Sensor Module Production by Type (2021-2032)

5.3.2 World Humanoid Robot Vision Sensor Module Production Value by Type  
(2021-2032)

5.3.3 World Humanoid Robot Vision Sensor Module Average Price by Type  
(2021-2032)

## **6 MARKET ANALYSIS BY MOUNTING POSITION**

6.1 World Humanoid Robot Vision Sensor Module Market Size Overview by Mounting  
Position: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Mounting Position

6.2.1 Head-mounted Vision Sensor Module

6.2.2 Chest-mounted Vision Sensor Module

6.2.3 End-effector Vision Sensor Module

6.3 Market Segment by Mounting Position

6.3.1 World Humanoid Robot Vision Sensor Module Production by Mounting Position  
(2021-2032)

6.3.2 World Humanoid Robot Vision Sensor Module Production Value by Mounting  
Position (2021-2032)

6.3.3 World Humanoid Robot Vision Sensor Module Average Price by Mounting  
Position (2021-2032)

## **7 MARKET ANALYSIS BY PERCEPTION FUNCTION**

7.1 World Humanoid Robot Vision Sensor Module Market Size Overview by Perception  
Function: 2021 VS 2025 VS 2032

## 7.2 Segment Introduction by Perception Function

- 7.2.1 Object Recognition Sensor Module
- 7.2.2 Environmental Mapping Sensor Module
- 7.2.3 Gesture and Human Tracking Sensor Module

## 7.3 Market Segment by Perception Function

- 7.3.1 World Humanoid Robot Vision Sensor Module Production by Perception Function (2021-2032)
- 7.3.2 World Humanoid Robot Vision Sensor Module Production Value by Perception Function (2021-2032)
- 7.3.3 World Humanoid Robot Vision Sensor Module Average Price by Perception Function (2021-2032)

## **8 MARKET ANALYSIS BY APPLICATION**

### 8.1 World Humanoid Robot Vision Sensor Module Market Size Overview by Application: 2021 VS 2025 VS 2032

### 8.2 Segment Introduction by Application

- 8.2.1 Industrial Service Robot
- 8.2.2 Commercial Service Robot
- 8.2.3 Home Companion Robot
- 8.2.4 Other

### 8.3 Market Segment by Application

- 8.3.1 World Humanoid Robot Vision Sensor Module Production by Application (2021-2032)
- 8.3.2 World Humanoid Robot Vision Sensor Module Production Value by Application (2021-2032)
- 8.3.3 World Humanoid Robot Vision Sensor Module Average Price by Application (2021-2032)

## **9 COMPANY PROFILES**

### 9.1 Omron

- 9.1.1 Omron Details
- 9.1.2 Omron Major Business
- 9.1.3 Omron Humanoid Robot Vision Sensor Module Product and Services
- 9.1.4 Omron Humanoid Robot Vision Sensor Module Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.1.5 Omron Recent Developments/Updates
- 9.1.6 Omron Competitive Strengths & Weaknesses

## 9.2 Keyence

### 9.2.1 Keyence Details

### 9.2.2 Keyence Major Business

### 9.2.3 Keyence Humanoid Robot Vision Sensor Module Product and Services

### 9.2.4 Keyence Humanoid Robot Vision Sensor Module Production, Price, Value, Gross Margin and Market Share (2021-2026)

### 9.2.5 Keyence Recent Developments/Updates

### 9.2.6 Keyence Competitive Strengths & Weaknesses

## 9.3 Intel RealSense

### 9.3.1 Intel RealSense Details

### 9.3.2 Intel RealSense Major Business

### 9.3.3 Intel RealSense Humanoid Robot Vision Sensor Module Product and Services

### 9.3.4 Intel RealSense Humanoid Robot Vision Sensor Module Production, Price, Value, Gross Margin and Market Share (2021-2026)

### 9.3.5 Intel RealSense Recent Developments/Updates

### 9.3.6 Intel RealSense Competitive Strengths & Weaknesses

## 9.4 Cognex

### 9.4.1 Cognex Details

### 9.4.2 Cognex Major Business

### 9.4.3 Cognex Humanoid Robot Vision Sensor Module Product and Services

### 9.4.4 Cognex Humanoid Robot Vision Sensor Module Production, Price, Value, Gross Margin and Market Share (2021-2026)

### 9.4.5 Cognex Recent Developments/Updates

### 9.4.6 Cognex Competitive Strengths & Weaknesses

## 9.5 Stereolabs

### 9.5.1 Stereolabs Details

### 9.5.2 Stereolabs Major Business

### 9.5.3 Stereolabs Humanoid Robot Vision Sensor Module Product and Services

### 9.5.4 Stereolabs Humanoid Robot Vision Sensor Module Production, Price, Value, Gross Margin and Market Share (2021-2026)

### 9.5.5 Stereolabs Recent Developments/Updates

### 9.5.6 Stereolabs Competitive Strengths & Weaknesses

## 9.6 STMicroelectronics

### 9.6.1 STMicroelectronics Details

### 9.6.2 STMicroelectronics Major Business

### 9.6.3 STMicroelectronics Humanoid Robot Vision Sensor Module Product and Services

### 9.6.4 STMicroelectronics Humanoid Robot Vision Sensor Module Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.6.5 STMicroelectronics Recent Developments/Updates

9.6.6 STMicroelectronics Competitive Strengths & Weaknesses

9.7 Basler

9.7.1 Basler Details

9.7.2 Basler Major Business

9.7.3 Basler Humanoid Robot Vision Sensor Module Product and Services

9.7.4 Basler Humanoid Robot Vision Sensor Module Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.7.5 Basler Recent Developments/Updates

9.7.6 Basler Competitive Strengths & Weaknesses

9.8 Samsung Electro-Mechanics

9.8.1 Samsung Electro-Mechanics Details

9.8.2 Samsung Electro-Mechanics Major Business

9.8.3 Samsung Electro-Mechanics Humanoid Robot Vision Sensor Module Product and Services

9.8.4 Samsung Electro-Mechanics Humanoid Robot Vision Sensor Module Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.8.5 Samsung Electro-Mechanics Recent Developments/Updates

9.8.6 Samsung Electro-Mechanics Competitive Strengths & Weaknesses

9.9 LG Innotek

9.9.1 LG Innotek Details

9.9.2 LG Innotek Major Business

9.9.3 LG Innotek Humanoid Robot Vision Sensor Module Product and Services

9.9.4 LG Innotek Humanoid Robot Vision Sensor Module Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.9.5 LG Innotek Recent Developments/Updates

9.9.6 LG Innotek Competitive Strengths & Weaknesses

9.10 Orbbec

9.10.1 Orbbec Details

9.10.2 Orbbec Major Business

9.10.3 Orbbec Humanoid Robot Vision Sensor Module Product and Services

9.10.4 Orbbec Humanoid Robot Vision Sensor Module Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.10.5 Orbbec Recent Developments/Updates

9.10.6 Orbbec Competitive Strengths & Weaknesses

9.11 Sunny Optical

9.11.1 Sunny Optical Details

9.11.2 Sunny Optical Major Business

9.11.3 Sunny Optical Humanoid Robot Vision Sensor Module Product and Services

9.11.4 Sunny Optical Humanoid Robot Vision Sensor Module Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.11.5 Sunny Optical Recent Developments/Updates

9.11.6 Sunny Optical Competitive Strengths & Weaknesses

9.12 Will Semi

9.12.1 Will Semi Details

9.12.2 Will Semi Major Business

9.12.3 Will Semi Humanoid Robot Vision Sensor Module Product and Services

9.12.4 Will Semi Humanoid Robot Vision Sensor Module Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.12.5 Will Semi Recent Developments/Updates

9.12.6 Will Semi Competitive Strengths & Weaknesses

9.13 RoboSense

9.13.1 RoboSense Details

9.13.2 RoboSense Major Business

9.13.3 RoboSense Humanoid Robot Vision Sensor Module Product and Services

9.13.4 RoboSense Humanoid Robot Vision Sensor Module Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.13.5 RoboSense Recent Developments/Updates

9.13.6 RoboSense Competitive Strengths & Weaknesses

9.14 Hesai Group

9.14.1 Hesai Group Details

9.14.2 Hesai Group Major Business

9.14.3 Hesai Group Humanoid Robot Vision Sensor Module Product and Services

9.14.4 Hesai Group Humanoid Robot Vision Sensor Module Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.14.5 Hesai Group Recent Developments/Updates

9.14.6 Hesai Group Competitive Strengths & Weaknesses

## **10 INDUSTRY CHAIN ANALYSIS**

10.1 Humanoid Robot Vision Sensor Module Industry Chain

10.2 Humanoid Robot Vision Sensor Module Upstream Analysis

10.2.1 Humanoid Robot Vision Sensor Module Core Raw Materials

10.2.2 Main Manufacturers of Humanoid Robot Vision Sensor Module Core Raw Materials

10.3 Midstream Analysis

10.4 Downstream Analysis

10.5 Humanoid Robot Vision Sensor Module Production Mode

10.6 Humanoid Robot Vision Sensor Module Procurement Model

10.7 Humanoid Robot Vision Sensor Module Industry Sales Model and Sales Channels

10.7.1 Humanoid Robot Vision Sensor Module Sales Model

10.7.2 Humanoid Robot Vision Sensor Module Typical Distributors

## **11 RESEARCH FINDINGS AND CONCLUSION**

## **12 APPENDIX**

12.1 Methodology

12.2 Research Process and Data Source

12.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. World Humanoid Robot Vision Sensor Module Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Humanoid Robot Vision Sensor Module Production Value by Region (2021-2026) & (USD Million)

Table 3. World Humanoid Robot Vision Sensor Module Production Value by Region (2027-2032) & (USD Million)

Table 4. World Humanoid Robot Vision Sensor Module Production Value Market Share by Region (2021-2026)

Table 5. World Humanoid Robot Vision Sensor Module Production Value Market Share by Region (2027-2032)

Table 6. World Humanoid Robot Vision Sensor Module Production by Region (2021-2026) & (K Units)

Table 7. World Humanoid Robot Vision Sensor Module Production by Region (2027-2032) & (K Units)

Table 8. World Humanoid Robot Vision Sensor Module Production Market Share by Region (2021-2026)

Table 9. World Humanoid Robot Vision Sensor Module Production Market Share by Region (2027-2032)

Table 10. World Humanoid Robot Vision Sensor Module Average Price by Region (2021-2026) & (US\$/Unit)

Table 11. World Humanoid Robot Vision Sensor Module Average Price by Region (2027-2032) & (US\$/Unit)

Table 12. Humanoid Robot Vision Sensor Module Major Market Trends

Table 13. World Humanoid Robot Vision Sensor Module Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (K Units)

Table 14. World Humanoid Robot Vision Sensor Module Consumption by Region (2021-2026) & (K Units)

Table 15. World Humanoid Robot Vision Sensor Module Consumption Forecast by Region (2027-2032) & (K Units)

Table 16. World Humanoid Robot Vision Sensor Module Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Humanoid Robot Vision Sensor Module Producers in 2025

Table 18. World Humanoid Robot Vision Sensor Module Production by Manufacturer (2021-2026) & (K Units)

Table 19. Production Market Share of Key Humanoid Robot Vision Sensor Module Producers in 2025

Table 20. World Humanoid Robot Vision Sensor Module Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 21. Global Humanoid Robot Vision Sensor Module Company Evaluation Quadrant

Table 22. World Humanoid Robot Vision Sensor Module Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Humanoid Robot Vision Sensor Module Production Site of Key Manufacturer

Table 24. Humanoid Robot Vision Sensor Module Market: Company Product Type Footprint

Table 25. Humanoid Robot Vision Sensor Module Market: Company Product Application Footprint

Table 26. Humanoid Robot Vision Sensor Module Competitive Factors

Table 27. Humanoid Robot Vision Sensor Module New Entrant and Capacity Expansion Plans

Table 28. Humanoid Robot Vision Sensor Module Mergers & Acquisitions Activity

Table 29. United States VS China Humanoid Robot Vision Sensor Module Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Humanoid Robot Vision Sensor Module Production Comparison, (2021 & 2025 & 2032) & (K Units)

Table 31. United States VS China Humanoid Robot Vision Sensor Module Consumption Comparison, (2021 & 2025 & 2032) & (K Units)

Table 32. United States Based Humanoid Robot Vision Sensor Module Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Humanoid Robot Vision Sensor Module Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Humanoid Robot Vision Sensor Module Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Humanoid Robot Vision Sensor Module Production (2021-2026) & (K Units)

Table 36. United States Based Manufacturers Humanoid Robot Vision Sensor Module Production Market Share (2021-2026)

Table 37. China Based Humanoid Robot Vision Sensor Module Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Humanoid Robot Vision Sensor Module Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Humanoid Robot Vision Sensor Module

Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Humanoid Robot Vision Sensor Module Production, (2021-2026) & (K Units)

Table 41. China Based Manufacturers Humanoid Robot Vision Sensor Module Production Market Share (2021-2026)

Table 42. Rest of World Based Humanoid Robot Vision Sensor Module Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Humanoid Robot Vision Sensor Module Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Humanoid Robot Vision Sensor Module Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Humanoid Robot Vision Sensor Module Production, (2021-2026) & (K Units)

Table 46. Rest of World Based Manufacturers Humanoid Robot Vision Sensor Module Production Market Share (2021-2026)

Table 47. World Humanoid Robot Vision Sensor Module Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Humanoid Robot Vision Sensor Module Production by Type (2021-2026) & (K Units)

Table 49. World Humanoid Robot Vision Sensor Module Production by Type (2027-2032) & (K Units)

Table 50. World Humanoid Robot Vision Sensor Module Production Value by Type (2021-2026) & (USD Million)

Table 51. World Humanoid Robot Vision Sensor Module Production Value by Type (2027-2032) & (USD Million)

Table 52. World Humanoid Robot Vision Sensor Module Average Price by Type (2021-2026) & (US\$/Unit)

Table 53. World Humanoid Robot Vision Sensor Module Average Price by Type (2027-2032) & (US\$/Unit)

Table 54. World Humanoid Robot Vision Sensor Module Production Value by Mounting Position, (USD Million), 2021 & 2025 & 2032

Table 55. World Humanoid Robot Vision Sensor Module Production by Mounting Position (2021-2026) & (K Units)

Table 56. World Humanoid Robot Vision Sensor Module Production by Mounting Position (2027-2032) & (K Units)

Table 57. World Humanoid Robot Vision Sensor Module Production Value by Mounting Position (2021-2026) & (USD Million)

Table 58. World Humanoid Robot Vision Sensor Module Production Value by Mounting Position (2027-2032) & (USD Million)

Table 59. World Humanoid Robot Vision Sensor Module Average Price by Mounting Position (2021-2026) & (US\$/Unit)

Table 60. World Humanoid Robot Vision Sensor Module Average Price by Mounting Position (2027-2032) & (US\$/Unit)

Table 61. World Humanoid Robot Vision Sensor Module Production Value by Perception Function, (USD Million), 2021 & 2025 & 2032

Table 62. World Humanoid Robot Vision Sensor Module Production by Perception Function (2021-2026) & (K Units)

Table 63. World Humanoid Robot Vision Sensor Module Production by Perception Function (2027-2032) & (K Units)

Table 64. World Humanoid Robot Vision Sensor Module Production Value by Perception Function (2021-2026) & (USD Million)

Table 65. World Humanoid Robot Vision Sensor Module Production Value by Perception Function (2027-2032) & (USD Million)

Table 66. World Humanoid Robot Vision Sensor Module Average Price by Perception Function (2021-2026) & (US\$/Unit)

Table 67. World Humanoid Robot Vision Sensor Module Average Price by Perception Function (2027-2032) & (US\$/Unit)

Table 68. World Humanoid Robot Vision Sensor Module Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World Humanoid Robot Vision Sensor Module Production by Application (2021-2026) & (K Units)

Table 70. World Humanoid Robot Vision Sensor Module Production by Application (2027-2032) & (K Units)

Table 71. World Humanoid Robot Vision Sensor Module Production Value by Application (2021-2026) & (USD Million)

Table 72. World Humanoid Robot Vision Sensor Module Production Value by Application (2027-2032) & (USD Million)

Table 73. World Humanoid Robot Vision Sensor Module Average Price by Application (2021-2026) & (US\$/Unit)

Table 74. World Humanoid Robot Vision Sensor Module Average Price by Application (2027-2032) & (US\$/Unit)

Table 75. Omron Basic Information, Manufacturing Base and Competitors

Table 76. Omron Major Business

Table 77. Omron Humanoid Robot Vision Sensor Module Product and Services

Table 78. Omron Humanoid Robot Vision Sensor Module Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. Omron Recent Developments/Updates

- Table 80. Omron Competitive Strengths & Weaknesses
- Table 81. Keyence Basic Information, Manufacturing Base and Competitors
- Table 82. Keyence Major Business
- Table 83. Keyence Humanoid Robot Vision Sensor Module Product and Services
- Table 84. Keyence Humanoid Robot Vision Sensor Module Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 85. Keyence Recent Developments/Updates
- Table 86. Keyence Competitive Strengths & Weaknesses
- Table 87. Intel RealSense Basic Information, Manufacturing Base and Competitors
- Table 88. Intel RealSense Major Business
- Table 89. Intel RealSense Humanoid Robot Vision Sensor Module Product and Services
- Table 90. Intel RealSense Humanoid Robot Vision Sensor Module Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 91. Intel RealSense Recent Developments/Updates
- Table 92. Intel RealSense Competitive Strengths & Weaknesses
- Table 93. Cognex Basic Information, Manufacturing Base and Competitors
- Table 94. Cognex Major Business
- Table 95. Cognex Humanoid Robot Vision Sensor Module Product and Services
- Table 96. Cognex Humanoid Robot Vision Sensor Module Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 97. Cognex Recent Developments/Updates
- Table 98. Cognex Competitive Strengths & Weaknesses
- Table 99. Stereolabs Basic Information, Manufacturing Base and Competitors
- Table 100. Stereolabs Major Business
- Table 101. Stereolabs Humanoid Robot Vision Sensor Module Product and Services
- Table 102. Stereolabs Humanoid Robot Vision Sensor Module Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 103. Stereolabs Recent Developments/Updates
- Table 104. Stereolabs Competitive Strengths & Weaknesses
- Table 105. STMicroelectronics Basic Information, Manufacturing Base and Competitors
- Table 106. STMicroelectronics Major Business
- Table 107. STMicroelectronics Humanoid Robot Vision Sensor Module Product and Services
- Table 108. STMicroelectronics Humanoid Robot Vision Sensor Module Production (K

Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 109. STMicroelectronics Recent Developments/Updates

Table 110. STMicroelectronics Competitive Strengths & Weaknesses

Table 111. Basler Basic Information, Manufacturing Base and Competitors

Table 112. Basler Major Business

Table 113. Basler Humanoid Robot Vision Sensor Module Product and Services

Table 114. Basler Humanoid Robot Vision Sensor Module Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 115. Basler Recent Developments/Updates

Table 116. Basler Competitive Strengths & Weaknesses

Table 117. Samsung Electro-Mechanics Basic Information, Manufacturing Base and Competitors

Table 118. Samsung Electro-Mechanics Major Business

Table 119. Samsung Electro-Mechanics Humanoid Robot Vision Sensor Module Product and Services

Table 120. Samsung Electro-Mechanics Humanoid Robot Vision Sensor Module Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 121. Samsung Electro-Mechanics Recent Developments/Updates

Table 122. Samsung Electro-Mechanics Competitive Strengths & Weaknesses

Table 123. LG Innotek Basic Information, Manufacturing Base and Competitors

Table 124. LG Innotek Major Business

Table 125. LG Innotek Humanoid Robot Vision Sensor Module Product and Services

Table 126. LG Innotek Humanoid Robot Vision Sensor Module Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 127. LG Innotek Recent Developments/Updates

Table 128. LG Innotek Competitive Strengths & Weaknesses

Table 129. Orbbec Basic Information, Manufacturing Base and Competitors

Table 130. Orbbec Major Business

Table 131. Orbbec Humanoid Robot Vision Sensor Module Product and Services

Table 132. Orbbec Humanoid Robot Vision Sensor Module Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 133. Orbbec Recent Developments/Updates

Table 134. Orbbec Competitive Strengths & Weaknesses

Table 135. Sunny Optical Basic Information, Manufacturing Base and Competitors

- Table 136. Sunny Optical Major Business
- Table 137. Sunny Optical Humanoid Robot Vision Sensor Module Product and Services
- Table 138. Sunny Optical Humanoid Robot Vision Sensor Module Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 139. Sunny Optical Recent Developments/Updates
- Table 140. Sunny Optical Competitive Strengths & Weaknesses
- Table 141. Will Semi Basic Information, Manufacturing Base and Competitors
- Table 142. Will Semi Major Business
- Table 143. Will Semi Humanoid Robot Vision Sensor Module Product and Services
- Table 144. Will Semi Humanoid Robot Vision Sensor Module Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 145. Will Semi Recent Developments/Updates
- Table 146. Will Semi Competitive Strengths & Weaknesses
- Table 147. RoboSense Basic Information, Manufacturing Base and Competitors
- Table 148. RoboSense Major Business
- Table 149. RoboSense Humanoid Robot Vision Sensor Module Product and Services
- Table 150. RoboSense Humanoid Robot Vision Sensor Module Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 151. RoboSense Recent Developments/Updates
- Table 152. RoboSense Competitive Strengths & Weaknesses
- Table 153. Hesai Group Basic Information, Manufacturing Base and Competitors
- Table 154. Hesai Group Major Business
- Table 155. Hesai Group Humanoid Robot Vision Sensor Module Product and Services
- Table 156. Hesai Group Humanoid Robot Vision Sensor Module Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 157. Hesai Group Recent Developments/Updates
- Table 158. Hesai Group Competitive Strengths & Weaknesses
- Table 159. Global Key Players of Humanoid Robot Vision Sensor Module Upstream (Raw Materials)
- Table 160. Global Humanoid Robot Vision Sensor Module Typical Customers
- Table 161. Humanoid Robot Vision Sensor Module Typical Distributors

## List Of Figures

### LIST OF FIGURES

Figure 1. Humanoid Robot Vision Sensor Module Picture

Figure 2. World Humanoid Robot Vision Sensor Module Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Humanoid Robot Vision Sensor Module Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Humanoid Robot Vision Sensor Module Production (2021-2032) & (K Units)

Figure 5. World Humanoid Robot Vision Sensor Module Average Price (2021-2032) & (US\$/Unit)

Figure 6. World Humanoid Robot Vision Sensor Module Production Value Market Share by Region (2021-2032)

Figure 7. World Humanoid Robot Vision Sensor Module Production Market Share by Region (2021-2032)

Figure 8. North America Humanoid Robot Vision Sensor Module Production (2021-2032) & (K Units)

Figure 9. Europe Humanoid Robot Vision Sensor Module Production (2021-2032) & (K Units)

Figure 10. China Humanoid Robot Vision Sensor Module Production (2021-2032) & (K Units)

Figure 11. Japan Humanoid Robot Vision Sensor Module Production (2021-2032) & (K Units)

Figure 12. South Korea Humanoid Robot Vision Sensor Module Production (2021-2032) & (K Units)

Figure 13. Southeast Asia Humanoid Robot Vision Sensor Module Production (2021-2032) & (K Units)

Figure 14. China Taiwan Humanoid Robot Vision Sensor Module Production (2021-2032) & (K Units)

Figure 15. Humanoid Robot Vision Sensor Module Market Drivers

Figure 16. Factors Affecting Demand

Figure 17. World Humanoid Robot Vision Sensor Module Consumption (2021-2032) & (K Units)

Figure 18. World Humanoid Robot Vision Sensor Module Consumption Market Share by Region (2021-2032)

Figure 19. United States Humanoid Robot Vision Sensor Module Consumption (2021-2032) & (K Units)

Figure 20. China Humanoid Robot Vision Sensor Module Consumption (2021-2032) & (K Units)

Figure 21. Europe Humanoid Robot Vision Sensor Module Consumption (2021-2032) & (K Units)

Figure 22. Japan Humanoid Robot Vision Sensor Module Consumption (2021-2032) & (K Units)

Figure 23. South Korea Humanoid Robot Vision Sensor Module Consumption (2021-2032) & (K Units)

Figure 24. ASEAN Humanoid Robot Vision Sensor Module Consumption (2021-2032) & (K Units)

Figure 25. India Humanoid Robot Vision Sensor Module Consumption (2021-2032) & (K Units)

Figure 26. Producer Shipments of Humanoid Robot Vision Sensor Module by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 27. Global Four-firm Concentration Ratios (CR4) for Humanoid Robot Vision Sensor Module Markets in 2025

Figure 28. Global Four-firm Concentration Ratios (CR8) for Humanoid Robot Vision Sensor Module Markets in 2025

Figure 29. United States VS China: Humanoid Robot Vision Sensor Module Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 30. United States VS China: Humanoid Robot Vision Sensor Module Production Market Share Comparison (2021 & 2025 & 2032)

Figure 31. United States VS China: Humanoid Robot Vision Sensor Module Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 32. United States Based Manufacturers Humanoid Robot Vision Sensor Module Production Market Share 2025

Figure 33. China Based Manufacturers Humanoid Robot Vision Sensor Module Production Market Share 2025

Figure 34. Rest of World Based Manufacturers Humanoid Robot Vision Sensor Module Production Market Share 2025

Figure 35. World Humanoid Robot Vision Sensor Module Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 36. World Humanoid Robot Vision Sensor Module Production Value Market Share by Type in 2025

Figure 37. RGB Vision Sensor Module

Figure 38. Depth Vision Sensor Module

Figure 39. Stereo Vision Sensor Module

Figure 40. World Humanoid Robot Vision Sensor Module Production Market Share by Type (2021-2032)

Figure 41. World Humanoid Robot Vision Sensor Module Production Value Market Share by Type (2021-2032)

Figure 42. World Humanoid Robot Vision Sensor Module Average Price by Type (2021-2032) & (US\$/Unit)

Figure 43. World Humanoid Robot Vision Sensor Module Production Value by Mounting Position, (USD Million), 2021 & 2025 & 2032

Figure 44. World Humanoid Robot Vision Sensor Module Production Value Market Share by Mounting Position in 2025

Figure 45. Head-mounted Vision Sensor Module

Figure 46. Chest-mounted Vision Sensor Module

Figure 47. End-effector Vision Sensor Module

Figure 48. World Humanoid Robot Vision Sensor Module Production Market Share by Mounting Position (2021-2032)

Figure 49. World Humanoid Robot Vision Sensor Module Production Value Market Share by Mounting Position (2021-2032)

Figure 50. World Humanoid Robot Vision Sensor Module Average Price by Mounting Position (2021-2032) & (US\$/Unit)

Figure 51. World Humanoid Robot Vision Sensor Module Production Value by Perception Function, (USD Million), 2021 & 2025 & 2032

Figure 52. World Humanoid Robot Vision Sensor Module Production Value Market Share by Perception Function in 2025

Figure 53. Object Recognition Sensor Module

Figure 54. Environmental Mapping Sensor Module

Figure 55. Gesture and Human Tracking Sensor Module

Figure 56. World Humanoid Robot Vision Sensor Module Production Market Share by Perception Function (2021-2032)

Figure 57. World Humanoid Robot Vision Sensor Module Production Value Market Share by Perception Function (2021-2032)

Figure 58. World Humanoid Robot Vision Sensor Module Average Price by Perception Function (2021-2032) & (US\$/Unit)

Figure 59. World Humanoid Robot Vision Sensor Module Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 60. World Humanoid Robot Vision Sensor Module Production Value Market Share by Application in 2025

Figure 61. Industrial Service Robot

Figure 62. Commercial Service Robot

Figure 63. Home Companion Robot

Figure 64. Other

Figure 65. World Humanoid Robot Vision Sensor Module Production Market Share by

Application (2021-2032)

Figure 66. World Humanoid Robot Vision Sensor Module Production Value Market Share by Application (2021-2032)

Figure 67. World Humanoid Robot Vision Sensor Module Average Price by Application (2021-2032) & (US\$/Unit)

Figure 68. Humanoid Robot Vision Sensor Module Industry Chain

Figure 69. Humanoid Robot Vision Sensor Module Procurement Model

Figure 70. Humanoid Robot Vision Sensor Module Sales Model

Figure 71. Humanoid Robot Vision Sensor Module Sales Channels, Direct Sales, and Distribution

Figure 72. Methodology

Figure 73. Research Process and Data Source

## I would like to order

Product name: Global Humanoid Robot Vision Sensor Module Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/GD03197DEE98EN.html>

Price: US\$ 4,480.00 (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/GD03197DEE98EN.html>