

Global Edge Intelligence Vision Chips Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

<https://marketpublishers.com/r/G018F5E9B922EN.html>

Date: April 2025

Pages: 93

Price: US\$ 3,480.00 (Single User License)

ID: G018F5E9B922EN

Abstracts

According to our (Global Info Research) latest study, the global Edge Intelligence Vision Chips market size was valued at US\$ 729 million in 2024 and is forecast to a readjusted size of USD 1574 million by 2031 with a CAGR of 13.2% during review period.

Edge intelligent vision chips are highly integrated application-specific integrated circuits designed for efficient image and video analysis on the device side and are widely used in smart cameras, self-driving cars, robots, smart homes and other fields. This type of chip integrates functional modules such as image signal processors, neural network accelerators and central processing units, and can process complex visual tasks locally in real time, reducing dependence on cloud computing. Through the built-in dedicated neural network accelerator, it can quickly execute algorithms such as convolutional neural networks to achieve functions such as target detection, face recognition, and behavior analysis.

This report is a detailed and comprehensive analysis for global Edge Intelligence Vision Chips market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Edge Intelligence Vision Chips market size and forecasts, in consumption value

(\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Edge Intelligence Vision Chips market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Edge Intelligence Vision Chips market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Edge Intelligence Vision Chips market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Edge Intelligence Vision Chips

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Edge Intelligence Vision Chips market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Ambarella, Nextchip, Huawei HiSilicon, Shanghai TaskOrientedAI, Zhejiang ZenTech, Goke Microelectronics, Zhuhai Eeasy Tech, Zhuhai Allwinner Technology, Shenzhen Intellifusion Technology, SynSense, etc.

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

Market Segmentation

Edge Intelligence Vision Chips market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts

for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Below 10TOPs

10TOPs-20TOPs

Above 20TOPs

Market segment by Application

Smart Network Camera

Security Surveillance

Vehicle Vision Products

Others

Major players covered

Ambarella

Nextchip

Huawei HiSilicon

Shanghai TaskOrientedAI

Zhejiang ZenTech

Goke Microelectronics

Zhuhai Eeasy Tech

Zhuhai Allwinner Technology

Shenzhen Intellifusion Technology

SynSense

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Edge Intelligence Vision Chips product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Edge Intelligence Vision Chips, with price, sales quantity, revenue, and global market share of Edge Intelligence Vision Chips from 2020 to 2025.

Chapter 3, the Edge Intelligence Vision Chips competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Edge Intelligence Vision Chips breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Edge Intelligence Vision Chips market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Edge Intelligence Vision Chips.

Chapter 14 and 15, to describe Edge Intelligence Vision Chips sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

- 1.1 Product Overview and Scope
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
 - 1.3.1 Overview: Global Edge Intelligence Vision Chips Consumption Value by Type: 2020 Versus 2024 Versus 2031
 - 1.3.2 Below 10TOPs
 - 1.3.3 10TOPs-20TOPs
 - 1.3.4 Above 20TOPs
- 1.4 Market Analysis by Application
 - 1.4.1 Overview: Global Edge Intelligence Vision Chips Consumption Value by Application: 2020 Versus 2024 Versus 2031
 - 1.4.2 Smart Network Camera
 - 1.4.3 Security Surveillance
 - 1.4.4 Vehicle Vision Products
 - 1.4.5 Others
- 1.5 Global Edge Intelligence Vision Chips Market Size & Forecast
 - 1.5.1 Global Edge Intelligence Vision Chips Consumption Value (2020 & 2024 & 2031)
 - 1.5.2 Global Edge Intelligence Vision Chips Sales Quantity (2020-2031)
 - 1.5.3 Global Edge Intelligence Vision Chips Average Price (2020-2031)

2 MANUFACTURERS PROFILES

- 2.1 Ambarella
 - 2.1.1 Ambarella Details
 - 2.1.2 Ambarella Major Business
 - 2.1.3 Ambarella Edge Intelligence Vision Chips Product and Services
 - 2.1.4 Ambarella Edge Intelligence Vision Chips Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.1.5 Ambarella Recent Developments/Updates
- 2.2 Nextchip
 - 2.2.1 Nextchip Details
 - 2.2.2 Nextchip Major Business
 - 2.2.3 Nextchip Edge Intelligence Vision Chips Product and Services
 - 2.2.4 Nextchip Edge Intelligence Vision Chips Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

- 2.2.5 Nextchip Recent Developments/Updates
- 2.3 Huawei HiSilicon
 - 2.3.1 Huawei HiSilicon Details
 - 2.3.2 Huawei HiSilicon Major Business
 - 2.3.3 Huawei HiSilicon Edge Intelligence Vision Chips Product and Services
 - 2.3.4 Huawei HiSilicon Edge Intelligence Vision Chips Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.3.5 Huawei HiSilicon Recent Developments/Updates
- 2.4 Shanghai TaskOrientedAI
 - 2.4.1 Shanghai TaskOrientedAI Details
 - 2.4.2 Shanghai TaskOrientedAI Major Business
 - 2.4.3 Shanghai TaskOrientedAI Edge Intelligence Vision Chips Product and Services
 - 2.4.4 Shanghai TaskOrientedAI Edge Intelligence Vision Chips Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.4.5 Shanghai TaskOrientedAI Recent Developments/Updates
- 2.5 Zhejiang ZenTech
 - 2.5.1 Zhejiang ZenTech Details
 - 2.5.2 Zhejiang ZenTech Major Business
 - 2.5.3 Zhejiang ZenTech Edge Intelligence Vision Chips Product and Services
 - 2.5.4 Zhejiang ZenTech Edge Intelligence Vision Chips Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.5.5 Zhejiang ZenTech Recent Developments/Updates
- 2.6 Goke Microelectronics
 - 2.6.1 Goke Microelectronics Details
 - 2.6.2 Goke Microelectronics Major Business
 - 2.6.3 Goke Microelectronics Edge Intelligence Vision Chips Product and Services
 - 2.6.4 Goke Microelectronics Edge Intelligence Vision Chips Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.6.5 Goke Microelectronics Recent Developments/Updates
- 2.7 Zhuhai Eeasy Tech
 - 2.7.1 Zhuhai Eeasy Tech Details
 - 2.7.2 Zhuhai Eeasy Tech Major Business
 - 2.7.3 Zhuhai Eeasy Tech Edge Intelligence Vision Chips Product and Services
 - 2.7.4 Zhuhai Eeasy Tech Edge Intelligence Vision Chips Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.7.5 Zhuhai Eeasy Tech Recent Developments/Updates
- 2.8 Zhuhai Allwinner Technology
 - 2.8.1 Zhuhai Allwinner Technology Details
 - 2.8.2 Zhuhai Allwinner Technology Major Business

2.8.3 Zhuhai Allwinner Technology Edge Intelligence Vision Chips Product and Services

2.8.4 Zhuhai Allwinner Technology Edge Intelligence Vision Chips Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.8.5 Zhuhai Allwinner Technology Recent Developments/Updates

2.9 Shenzhen Intellifusion Technology

2.9.1 Shenzhen Intellifusion Technology Details

2.9.2 Shenzhen Intellifusion Technology Major Business

2.9.3 Shenzhen Intellifusion Technology Edge Intelligence Vision Chips Product and Services

2.9.4 Shenzhen Intellifusion Technology Edge Intelligence Vision Chips Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.9.5 Shenzhen Intellifusion Technology Recent Developments/Updates

2.10 SynSense

2.10.1 SynSense Details

2.10.2 SynSense Major Business

2.10.3 SynSense Edge Intelligence Vision Chips Product and Services

2.10.4 SynSense Edge Intelligence Vision Chips Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.10.5 SynSense Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: EDGE INTELLIGENCE VISION CHIPS BY MANUFACTURER

3.1 Global Edge Intelligence Vision Chips Sales Quantity by Manufacturer (2020-2025)

3.2 Global Edge Intelligence Vision Chips Revenue by Manufacturer (2020-2025)

3.3 Global Edge Intelligence Vision Chips Average Price by Manufacturer (2020-2025)

3.4 Market Share Analysis (2024)

3.4.1 Producer Shipments of Edge Intelligence Vision Chips by Manufacturer Revenue (\$MM) and Market Share (%): 2024

3.4.2 Top 3 Edge Intelligence Vision Chips Manufacturer Market Share in 2024

3.4.3 Top 6 Edge Intelligence Vision Chips Manufacturer Market Share in 2024

3.5 Edge Intelligence Vision Chips Market: Overall Company Footprint Analysis

3.5.1 Edge Intelligence Vision Chips Market: Region Footprint

3.5.2 Edge Intelligence Vision Chips Market: Company Product Type Footprint

3.5.3 Edge Intelligence Vision Chips Market: Company Product Application Footprint

3.6 New Market Entrants and Barriers to Market Entry

3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

4.1 Global Edge Intelligence Vision Chips Market Size by Region

4.1.1 Global Edge Intelligence Vision Chips Sales Quantity by Region (2020-2031)

4.1.2 Global Edge Intelligence Vision Chips Consumption Value by Region (2020-2031)

4.1.3 Global Edge Intelligence Vision Chips Average Price by Region (2020-2031)

4.2 North America Edge Intelligence Vision Chips Consumption Value (2020-2031)

4.3 Europe Edge Intelligence Vision Chips Consumption Value (2020-2031)

4.4 Asia-Pacific Edge Intelligence Vision Chips Consumption Value (2020-2031)

4.5 South America Edge Intelligence Vision Chips Consumption Value (2020-2031)

4.6 Middle East & Africa Edge Intelligence Vision Chips Consumption Value (2020-2031)

5 MARKET SEGMENT BY TYPE

5.1 Global Edge Intelligence Vision Chips Sales Quantity by Type (2020-2031)

5.2 Global Edge Intelligence Vision Chips Consumption Value by Type (2020-2031)

5.3 Global Edge Intelligence Vision Chips Average Price by Type (2020-2031)

6 MARKET SEGMENT BY APPLICATION

6.1 Global Edge Intelligence Vision Chips Sales Quantity by Application (2020-2031)

6.2 Global Edge Intelligence Vision Chips Consumption Value by Application (2020-2031)

6.3 Global Edge Intelligence Vision Chips Average Price by Application (2020-2031)

7 NORTH AMERICA

7.1 North America Edge Intelligence Vision Chips Sales Quantity by Type (2020-2031)

7.2 North America Edge Intelligence Vision Chips Sales Quantity by Application (2020-2031)

7.3 North America Edge Intelligence Vision Chips Market Size by Country

7.3.1 North America Edge Intelligence Vision Chips Sales Quantity by Country (2020-2031)

7.3.2 North America Edge Intelligence Vision Chips Consumption Value by Country (2020-2031)

7.3.3 United States Market Size and Forecast (2020-2031)

7.3.4 Canada Market Size and Forecast (2020-2031)

7.3.5 Mexico Market Size and Forecast (2020-2031)

8 EUROPE

8.1 Europe Edge Intelligence Vision Chips Sales Quantity by Type (2020-2031)

8.2 Europe Edge Intelligence Vision Chips Sales Quantity by Application (2020-2031)

8.3 Europe Edge Intelligence Vision Chips Market Size by Country

8.3.1 Europe Edge Intelligence Vision Chips Sales Quantity by Country (2020-2031)

8.3.2 Europe Edge Intelligence Vision Chips Consumption Value by Country (2020-2031)

8.3.3 Germany Market Size and Forecast (2020-2031)

8.3.4 France Market Size and Forecast (2020-2031)

8.3.5 United Kingdom Market Size and Forecast (2020-2031)

8.3.6 Russia Market Size and Forecast (2020-2031)

8.3.7 Italy Market Size and Forecast (2020-2031)

9 ASIA-PACIFIC

9.1 Asia-Pacific Edge Intelligence Vision Chips Sales Quantity by Type (2020-2031)

9.2 Asia-Pacific Edge Intelligence Vision Chips Sales Quantity by Application (2020-2031)

9.3 Asia-Pacific Edge Intelligence Vision Chips Market Size by Region

9.3.1 Asia-Pacific Edge Intelligence Vision Chips Sales Quantity by Region (2020-2031)

9.3.2 Asia-Pacific Edge Intelligence Vision Chips Consumption Value by Region (2020-2031)

9.3.3 China Market Size and Forecast (2020-2031)

9.3.4 Japan Market Size and Forecast (2020-2031)

9.3.5 South Korea Market Size and Forecast (2020-2031)

9.3.6 India Market Size and Forecast (2020-2031)

9.3.7 Southeast Asia Market Size and Forecast (2020-2031)

9.3.8 Australia Market Size and Forecast (2020-2031)

10 SOUTH AMERICA

10.1 South America Edge Intelligence Vision Chips Sales Quantity by Type (2020-2031)

10.2 South America Edge Intelligence Vision Chips Sales Quantity by Application (2020-2031)

10.3 South America Edge Intelligence Vision Chips Market Size by Country

10.3.1 South America Edge Intelligence Vision Chips Sales Quantity by Country (2020-2031)

10.3.2 South America Edge Intelligence Vision Chips Consumption Value by Country (2020-2031)

10.3.3 Brazil Market Size and Forecast (2020-2031)

10.3.4 Argentina Market Size and Forecast (2020-2031)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Edge Intelligence Vision Chips Sales Quantity by Type (2020-2031)

11.2 Middle East & Africa Edge Intelligence Vision Chips Sales Quantity by Application (2020-2031)

11.3 Middle East & Africa Edge Intelligence Vision Chips Market Size by Country

11.3.1 Middle East & Africa Edge Intelligence Vision Chips Sales Quantity by Country (2020-2031)

11.3.2 Middle East & Africa Edge Intelligence Vision Chips Consumption Value by Country (2020-2031)

11.3.3 Turkey Market Size and Forecast (2020-2031)

11.3.4 Egypt Market Size and Forecast (2020-2031)

11.3.5 Saudi Arabia Market Size and Forecast (2020-2031)

11.3.6 South Africa Market Size and Forecast (2020-2031)

12 MARKET DYNAMICS

12.1 Edge Intelligence Vision Chips Market Drivers

12.2 Edge Intelligence Vision Chips Market Restraints

12.3 Edge Intelligence Vision Chips Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Edge Intelligence Vision Chips and Key Manufacturers

13.2 Manufacturing Costs Percentage of Edge Intelligence Vision Chips

13.3 Edge Intelligence Vision Chips Production Process

13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Edge Intelligence Vision Chips Typical Distributors

14.3 Edge Intelligence Vision Chips Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Edge Intelligence Vision Chips Consumption Value by Type, (USD Million), 2020 & 2024 & 2031

Table 2. Global Edge Intelligence Vision Chips Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Table 3. Ambarella Basic Information, Manufacturing Base and Competitors

Table 4. Ambarella Major Business

Table 5. Ambarella Edge Intelligence Vision Chips Product and Services

Table 6. Ambarella Edge Intelligence Vision Chips Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 7. Ambarella Recent Developments/Updates

Table 8. Nextchip Basic Information, Manufacturing Base and Competitors

Table 9. Nextchip Major Business

Table 10. Nextchip Edge Intelligence Vision Chips Product and Services

Table 11. Nextchip Edge Intelligence Vision Chips Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 12. Nextchip Recent Developments/Updates

Table 13. Huawei HiSilicon Basic Information, Manufacturing Base and Competitors

Table 14. Huawei HiSilicon Major Business

Table 15. Huawei HiSilicon Edge Intelligence Vision Chips Product and Services

Table 16. Huawei HiSilicon Edge Intelligence Vision Chips Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 17. Huawei HiSilicon Recent Developments/Updates

Table 18. ShanghaiTaskOrientedAI Basic Information, Manufacturing Base and Competitors

Table 19. ShanghaiTaskOrientedAI Major Business

Table 20. ShanghaiTaskOrientedAI Edge Intelligence Vision Chips Product and Services

Table 21. ShanghaiTaskOrientedAI Edge Intelligence Vision Chips Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 22. ShanghaiTaskOrientedAI Recent Developments/Updates

Table 23. Zhejiang ZenTech Basic Information, Manufacturing Base and Competitors

Table 24. Zhejiang ZenTech Major Business

Table 25. Zhejiang ZenTech Edge Intelligence Vision Chips Product and Services

Table 26. Zhejiang ZenTech Edge Intelligence Vision Chips Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 27. Zhejiang ZenTech Recent Developments/Updates

Table 28. Goke Microelectronics Basic Information, Manufacturing Base and Competitors

Table 29. Goke Microelectronics Major Business

Table 30. Goke Microelectronics Edge Intelligence Vision Chips Product and Services

Table 31. Goke Microelectronics Edge Intelligence Vision Chips Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 32. Goke Microelectronics Recent Developments/Updates

Table 33. Zhuhai Eeasy Tech Basic Information, Manufacturing Base and Competitors

Table 34. Zhuhai Eeasy Tech Major Business

Table 35. Zhuhai Eeasy Tech Edge Intelligence Vision Chips Product and Services

Table 36. Zhuhai Eeasy Tech Edge Intelligence Vision Chips Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 37. Zhuhai Eeasy Tech Recent Developments/Updates

Table 38. Zhuhai Allwinner Technology Basic Information, Manufacturing Base and Competitors

Table 39. Zhuhai Allwinner Technology Major Business

Table 40. Zhuhai Allwinner Technology Edge Intelligence Vision Chips Product and Services

Table 41. Zhuhai Allwinner Technology Edge Intelligence Vision Chips Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 42. Zhuhai Allwinner Technology Recent Developments/Updates

Table 43. Shenzhen Intellifusion Technology Basic Information, Manufacturing Base and Competitors

Table 44. Shenzhen Intellifusion Technology Major Business

Table 45. Shenzhen Intellifusion Technology Edge Intelligence Vision Chips Product and Services

Table 46. Shenzhen Intellifusion Technology Edge Intelligence Vision Chips Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 47. Shenzhen Intellifusion Technology Recent Developments/Updates

Table 48. SynSense Basic Information, Manufacturing Base and Competitors

Table 49. SynSense Major Business

Table 50. SynSense Edge Intelligence Vision Chips Product and Services

Table 51. SynSense Edge Intelligence Vision Chips Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 52. SynSense Recent Developments/Updates

Table 53. Global Edge Intelligence Vision Chips Sales Quantity by Manufacturer (2020-2025) & (K Units)

Table 54. Global Edge Intelligence Vision Chips Revenue by Manufacturer (2020-2025) & (USD Million)

Table 55. Global Edge Intelligence Vision Chips Average Price by Manufacturer (2020-2025) & (US\$/Unit)

Table 56. Market Position of Manufacturers in Edge Intelligence Vision Chips, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2024

Table 57. Head Office and Edge Intelligence Vision Chips Production Site of Key Manufacturer

Table 58. Edge Intelligence Vision Chips Market: Company Product Type Footprint

Table 59. Edge Intelligence Vision Chips Market: Company Product Application Footprint

Table 60. Edge Intelligence Vision Chips New Market Entrants and Barriers to Market Entry

Table 61. Edge Intelligence Vision Chips Mergers, Acquisition, Agreements, and Collaborations

Table 62. Global Edge Intelligence Vision Chips Consumption Value by Region (2020-2024-2031) & (USD Million) & CAGR

Table 63. Global Edge Intelligence Vision Chips Sales Quantity by Region (2020-2025) & (K Units)

Table 64. Global Edge Intelligence Vision Chips Sales Quantity by Region (2026-2031) & (K Units)

Table 65. Global Edge Intelligence Vision Chips Consumption Value by Region (2020-2025) & (USD Million)

Table 66. Global Edge Intelligence Vision Chips Consumption Value by Region (2026-2031) & (USD Million)

Table 67. Global Edge Intelligence Vision Chips Average Price by Region (2020-2025) & (US\$/Unit)

Table 68. Global Edge Intelligence Vision Chips Average Price by Region (2026-2031) & (US\$/Unit)

Table 69. Global Edge Intelligence Vision Chips Sales Quantity by Type (2020-2025) & (K Units)

Table 70. Global Edge Intelligence Vision Chips Sales Quantity by Type (2026-2031) & (K Units)

Table 71. Global Edge Intelligence Vision Chips Consumption Value by Type (2020-2025) & (USD Million)

Table 72. Global Edge Intelligence Vision Chips Consumption Value by Type (2026-2031) & (USD Million)

Table 73. Global Edge Intelligence Vision Chips Average Price by Type (2020-2025) & (US\$/Unit)

Table 74. Global Edge Intelligence Vision Chips Average Price by Type (2026-2031) & (US\$/Unit)

Table 75. Global Edge Intelligence Vision Chips Sales Quantity by Application (2020-2025) & (K Units)

Table 76. Global Edge Intelligence Vision Chips Sales Quantity by Application (2026-2031) & (K Units)

Table 77. Global Edge Intelligence Vision Chips Consumption Value by Application (2020-2025) & (USD Million)

Table 78. Global Edge Intelligence Vision Chips Consumption Value by Application (2026-2031) & (USD Million)

Table 79. Global Edge Intelligence Vision Chips Average Price by Application (2020-2025) & (US\$/Unit)

Table 80. Global Edge Intelligence Vision Chips Average Price by Application (2026-2031) & (US\$/Unit)

Table 81. North America Edge Intelligence Vision Chips Sales Quantity by Type (2020-2025) & (K Units)

Table 82. North America Edge Intelligence Vision Chips Sales Quantity by Type (2026-2031) & (K Units)

Table 83. North America Edge Intelligence Vision Chips Sales Quantity by Application (2020-2025) & (K Units)

Table 84. North America Edge Intelligence Vision Chips Sales Quantity by Application (2026-2031) & (K Units)

Table 85. North America Edge Intelligence Vision Chips Sales Quantity by Country (2020-2025) & (K Units)

Table 86. North America Edge Intelligence Vision Chips Sales Quantity by Country (2026-2031) & (K Units)

Table 87. North America Edge Intelligence Vision Chips Consumption Value by Country (2020-2025) & (USD Million)

Table 88. North America Edge Intelligence Vision Chips Consumption Value by Country (2026-2031) & (USD Million)

Table 89. Europe Edge Intelligence Vision Chips Sales Quantity by Type (2020-2025) & (K Units)

Table 90. Europe Edge Intelligence Vision Chips Sales Quantity by Type (2026-2031) &

(K Units)

Table 91. Europe Edge Intelligence Vision Chips Sales Quantity by Application (2020-2025) & (K Units)

Table 92. Europe Edge Intelligence Vision Chips Sales Quantity by Application (2026-2031) & (K Units)

Table 93. Europe Edge Intelligence Vision Chips Sales Quantity by Country (2020-2025) & (K Units)

Table 94. Europe Edge Intelligence Vision Chips Sales Quantity by Country (2026-2031) & (K Units)

Table 95. Europe Edge Intelligence Vision Chips Consumption Value by Country (2020-2025) & (USD Million)

Table 96. Europe Edge Intelligence Vision Chips Consumption Value by Country (2026-2031) & (USD Million)

Table 97. Asia-Pacific Edge Intelligence Vision Chips Sales Quantity by Type (2020-2025) & (K Units)

Table 98. Asia-Pacific Edge Intelligence Vision Chips Sales Quantity by Type (2026-2031) & (K Units)

Table 99. Asia-Pacific Edge Intelligence Vision Chips Sales Quantity by Application (2020-2025) & (K Units)

Table 100. Asia-Pacific Edge Intelligence Vision Chips Sales Quantity by Application (2026-2031) & (K Units)

Table 101. Asia-Pacific Edge Intelligence Vision Chips Sales Quantity by Region (2020-2025) & (K Units)

Table 102. Asia-Pacific Edge Intelligence Vision Chips Sales Quantity by Region (2026-2031) & (K Units)

Table 103. Asia-Pacific Edge Intelligence Vision Chips Consumption Value by Region (2020-2025) & (USD Million)

Table 104. Asia-Pacific Edge Intelligence Vision Chips Consumption Value by Region (2026-2031) & (USD Million)

Table 105. South America Edge Intelligence Vision Chips Sales Quantity by Type (2020-2025) & (K Units)

Table 106. South America Edge Intelligence Vision Chips Sales Quantity by Type (2026-2031) & (K Units)

Table 107. South America Edge Intelligence Vision Chips Sales Quantity by Application (2020-2025) & (K Units)

Table 108. South America Edge Intelligence Vision Chips Sales Quantity by Application (2026-2031) & (K Units)

Table 109. South America Edge Intelligence Vision Chips Sales Quantity by Country (2020-2025) & (K Units)

Table 110. South America Edge Intelligence Vision Chips Sales Quantity by Country (2026-2031) & (K Units)

Table 111. South America Edge Intelligence Vision Chips Consumption Value by Country (2020-2025) & (USD Million)

Table 112. South America Edge Intelligence Vision Chips Consumption Value by Country (2026-2031) & (USD Million)

Table 113. Middle East & Africa Edge Intelligence Vision Chips Sales Quantity by Type (2020-2025) & (K Units)

Table 114. Middle East & Africa Edge Intelligence Vision Chips Sales Quantity by Type (2026-2031) & (K Units)

Table 115. Middle East & Africa Edge Intelligence Vision Chips Sales Quantity by Application (2020-2025) & (K Units)

Table 116. Middle East & Africa Edge Intelligence Vision Chips Sales Quantity by Application (2026-2031) & (K Units)

Table 117. Middle East & Africa Edge Intelligence Vision Chips Sales Quantity by Country (2020-2025) & (K Units)

Table 118. Middle East & Africa Edge Intelligence Vision Chips Sales Quantity by Country (2026-2031) & (K Units)

Table 119. Middle East & Africa Edge Intelligence Vision Chips Consumption Value by Country (2020-2025) & (USD Million)

Table 120. Middle East & Africa Edge Intelligence Vision Chips Consumption Value by Country (2026-2031) & (USD Million)

Table 121. Edge Intelligence Vision Chips Raw Material

Table 122. Key Manufacturers of Edge Intelligence Vision Chips Raw Materials

Table 123. Edge Intelligence Vision Chips Typical Distributors

Table 124. Edge Intelligence Vision Chips Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Edge Intelligence Vision Chips Picture

Figure 2. Global Edge Intelligence Vision Chips Revenue by Type, (USD Million), 2020 & 2024 & 2031

Figure 3. Global Edge Intelligence Vision Chips Revenue Market Share by Type in 2024

Figure 4. Below 10TOPs Examples

Figure 5. 10TOPs-20TOPs Examples

Figure 6. Above 20TOPs Examples

Figure 7. Global Edge Intelligence Vision Chips Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Figure 8. Global Edge Intelligence Vision Chips Revenue Market Share by Application in 2024

Figure 9. Smart Network Camera Examples

Figure 10. Security Surveillance Examples

Figure 11. Vehicle Vision Products Examples

Figure 12. Others Examples

Figure 13. Global Edge Intelligence Vision Chips Consumption Value, (USD Million): 2020 & 2024 & 2031

Figure 14. Global Edge Intelligence Vision Chips Consumption Value and Forecast (2020-2031) & (USD Million)

Figure 15. Global Edge Intelligence Vision Chips Sales Quantity (2020-2031) & (K Units)

Figure 16. Global Edge Intelligence Vision Chips Price (2020-2031) & (US\$/Unit)

Figure 17. Global Edge Intelligence Vision Chips Sales Quantity Market Share by Manufacturer in 2024

Figure 18. Global Edge Intelligence Vision Chips Revenue Market Share by Manufacturer in 2024

Figure 19. Producer Shipments of Edge Intelligence Vision Chips by Manufacturer Sales (\$MM) and Market Share (%): 2024

Figure 20. Top 3 Edge Intelligence Vision Chips Manufacturer (Revenue) Market Share in 2024

Figure 21. Top 6 Edge Intelligence Vision Chips Manufacturer (Revenue) Market Share in 2024

Figure 22. Global Edge Intelligence Vision Chips Sales Quantity Market Share by Region (2020-2031)

Figure 23. Global Edge Intelligence Vision Chips Consumption Value Market Share by

Region (2020-2031)

Figure 24. North America Edge Intelligence Vision Chips Consumption Value (2020-2031) & (USD Million)

Figure 25. Europe Edge Intelligence Vision Chips Consumption Value (2020-2031) & (USD Million)

Figure 26. Asia-Pacific Edge Intelligence Vision Chips Consumption Value (2020-2031) & (USD Million)

Figure 27. South America Edge Intelligence Vision Chips Consumption Value (2020-2031) & (USD Million)

Figure 28. Middle East & Africa Edge Intelligence Vision Chips Consumption Value (2020-2031) & (USD Million)

Figure 29. Global Edge Intelligence Vision Chips Sales Quantity Market Share by Type (2020-2031)

Figure 30. Global Edge Intelligence Vision Chips Consumption Value Market Share by Type (2020-2031)

Figure 31. Global Edge Intelligence Vision Chips Average Price by Type (2020-2031) & (US\$/Unit)

Figure 32. Global Edge Intelligence Vision Chips Sales Quantity Market Share by Application (2020-2031)

Figure 33. Global Edge Intelligence Vision Chips Revenue Market Share by Application (2020-2031)

Figure 34. Global Edge Intelligence Vision Chips Average Price by Application (2020-2031) & (US\$/Unit)

Figure 35. North America Edge Intelligence Vision Chips Sales Quantity Market Share by Type (2020-2031)

Figure 36. North America Edge Intelligence Vision Chips Sales Quantity Market Share by Application (2020-2031)

Figure 37. North America Edge Intelligence Vision Chips Sales Quantity Market Share by Country (2020-2031)

Figure 38. North America Edge Intelligence Vision Chips Consumption Value Market Share by Country (2020-2031)

Figure 39. United States Edge Intelligence Vision Chips Consumption Value (2020-2031) & (USD Million)

Figure 40. Canada Edge Intelligence Vision Chips Consumption Value (2020-2031) & (USD Million)

Figure 41. Mexico Edge Intelligence Vision Chips Consumption Value (2020-2031) & (USD Million)

Figure 42. Europe Edge Intelligence Vision Chips Sales Quantity Market Share by Type (2020-2031)

Figure 43. Europe Edge Intelligence Vision Chips Sales Quantity Market Share by Application (2020-2031)

Figure 44. Europe Edge Intelligence Vision Chips Sales Quantity Market Share by Country (2020-2031)

Figure 45. Europe Edge Intelligence Vision Chips Consumption Value Market Share by Country (2020-2031)

Figure 46. Germany Edge Intelligence Vision Chips Consumption Value (2020-2031) & (USD Million)

Figure 47. France Edge Intelligence Vision Chips Consumption Value (2020-2031) & (USD Million)

Figure 48. United Kingdom Edge Intelligence Vision Chips Consumption Value (2020-2031) & (USD Million)

Figure 49. Russia Edge Intelligence Vision Chips Consumption Value (2020-2031) & (USD Million)

Figure 50. Italy Edge Intelligence Vision Chips Consumption Value (2020-2031) & (USD Million)

Figure 51. Asia-Pacific Edge Intelligence Vision Chips Sales Quantity Market Share by Type (2020-2031)

Figure 52. Asia-Pacific Edge Intelligence Vision Chips Sales Quantity Market Share by Application (2020-2031)

Figure 53. Asia-Pacific Edge Intelligence Vision Chips Sales Quantity Market Share by Region (2020-2031)

Figure 54. Asia-Pacific Edge Intelligence Vision Chips Consumption Value Market Share by Region (2020-2031)

Figure 55. China Edge Intelligence Vision Chips Consumption Value (2020-2031) & (USD Million)

Figure 56. Japan Edge Intelligence Vision Chips Consumption Value (2020-2031) & (USD Million)

Figure 57. South Korea Edge Intelligence Vision Chips Consumption Value (2020-2031) & (USD Million)

Figure 58. India Edge Intelligence Vision Chips Consumption Value (2020-2031) & (USD Million)

Figure 59. Southeast Asia Edge Intelligence Vision Chips Consumption Value (2020-2031) & (USD Million)

Figure 60. Australia Edge Intelligence Vision Chips Consumption Value (2020-2031) & (USD Million)

Figure 61. South America Edge Intelligence Vision Chips Sales Quantity Market Share by Type (2020-2031)

Figure 62. South America Edge Intelligence Vision Chips Sales Quantity Market Share

by Application (2020-2031)

Figure 63. South America Edge Intelligence Vision Chips Sales Quantity Market Share by Country (2020-2031)

Figure 64. South America Edge Intelligence Vision Chips Consumption Value Market Share by Country (2020-2031)

Figure 65. Brazil Edge Intelligence Vision Chips Consumption Value (2020-2031) & (USD Million)

Figure 66. Argentina Edge Intelligence Vision Chips Consumption Value (2020-2031) & (USD Million)

Figure 67. Middle East & Africa Edge Intelligence Vision Chips Sales Quantity Market Share by Type (2020-2031)

Figure 68. Middle East & Africa Edge Intelligence Vision Chips Sales Quantity Market Share by Application (2020-2031)

Figure 69. Middle East & Africa Edge Intelligence Vision Chips Sales Quantity Market Share by Country (2020-2031)

Figure 70. Middle East & Africa Edge Intelligence Vision Chips Consumption Value Market Share by Country (2020-2031)

Figure 71. Turkey Edge Intelligence Vision Chips Consumption Value (2020-2031) & (USD Million)

Figure 72. Egypt Edge Intelligence Vision Chips Consumption Value (2020-2031) & (USD Million)

Figure 73. Saudi Arabia Edge Intelligence Vision Chips Consumption Value (2020-2031) & (USD Million)

Figure 74. South Africa Edge Intelligence Vision Chips Consumption Value (2020-2031) & (USD Million)

Figure 75. Edge Intelligence Vision Chips Market Drivers

Figure 76. Edge Intelligence Vision Chips Market Restraints

Figure 77. Edge Intelligence Vision Chips Market Trends

Figure 78. PortersFive Forces Analysis

Figure 79. Manufacturing Cost Structure Analysis of Edge Intelligence Vision Chips in 2024

Figure 80. Manufacturing Process Analysis of Edge Intelligence Vision Chips

Figure 81. Edge Intelligence Vision Chips Industrial Chain

Figure 82. Sales Channel: Direct to End-User vs Distributors

Figure 83. Direct Channel Pros & Cons

Figure 84. Indirect Channel Pros & Cons

Figure 85. Methodology

Figure 86. Research Process and Data Source

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