

Global Backside Illuminated(BSI) CMOS Image Sensor Market Research Report 2025(Status and Outlook)

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Abstracts

Report Overview

A Backside Illuminated (BSI) CMOS Image Sensor is a type of image sensor technology used in digital cameras and imaging devices. It is designed to enhance the light sensitivity and image quality by placing the photodiodes on the backside of the sensor, allowing more light to reach them. This configuration results in improved low-light performance, reduced noise, and higher dynamic range compared to traditional front-illuminated sensors. BSI CMOS sensors are commonly used in smartphones, DSLR cameras, and other imaging applications where high-quality images are essential. The technology involves advanced fabrication processes to create a thinner and more efficient sensor, which contributes to better image capture and faster readout speeds.

This report provides a deep insight into the global Backside Illuminated(BSI) CMOS Image Sensor market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and strategies for the competitive environment to enhance the potential profit. Furthermore, it provides a simple framework for evaluating and accessing the position of the business organization. The report structure also focuses on the competitive landscape of the Global Backside Illuminated(BSI) CMOS Image Sensor Market, this report introduces in detail the market share, market performance, product situation, operation situation, etc. of the main players, which helps the readers in the industry to identify the main competitors and deeply understand the competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the Backside Illuminated(BSI) CMOS Image Sensor market in any manner.

Global Backside Illuminated(BSI) CMOS Image Sensor Market: Market Segmentation Analysis

The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

Key Company

Sony
SK Hynix
SmartSens
Willsemi
Samsung
Aptina
Toshiba

Market Segmentation (by Type)

Less than 5 Megapixels
5-10 Megapixels
More than 10 Megapixels

Market Segmentation (by Application)

Consumer Electronics
Automotive
Industrial
Medical
Security
Other

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)
Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)
South America (Brazil, Argentina, Columbia, Rest of South America)
The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study
Neutral perspective on the market performance
Recent industry trends and developments
Competitive landscape & strategies of key players
Potential & niche segments and regions exhibiting promising growth covered
Historical, current, and projected market size, in terms of value
In-depth analysis of the Backside Illuminated(BSI) CMOS Image Sensor Market
Overview of the regional outlook of the Backside Illuminated(BSI) CMOS Image Sensor Market:

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the Backside Illuminated(BSI) CMOS Image Sensor Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and

restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 shares the main producing countries of Backside Illuminated(BSI) CMOS Image Sensor, their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 11 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment in the next five years.

Chapter 13 is the main points and conclusions of the report.

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

Customization of the Report

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Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

- 1.1 Market Definition and Statistical Scope of Backside Illuminated(BSI) CMOS Image Sensor
- 1.2 Key Market Segments
 - 1.2.1 Backside Illuminated(BSI) CMOS Image Sensor Segment by Type
 - 1.2.2 Backside Illuminated(BSI) CMOS Image Sensor Segment by Application
- 1.3 Methodology & Sources of Information
 - 1.3.1 Research Methodology
 - 1.3.2 Research Process
 - 1.3.3 Market Breakdown and Data Triangulation
 - 1.3.4 Base Year
 - 1.3.5 Report Assumptions & Caveats

2 BACKSIDE ILLUMINATED(BSI) CMOS IMAGE SENSOR MARKET OVERVIEW

- 2.1 Global Market Overview
 - 2.1.1 Global Backside Illuminated(BSI) CMOS Image Sensor Market Size (M USD) Estimates and Forecasts (2020-2033)
 - 2.1.2 Global Backside Illuminated(BSI) CMOS Image Sensor Sales Estimates and Forecasts (2020-2033)
- 2.2 Market Segment Executive Summary
- 2.3 Global Market Size by Region

3 BACKSIDE ILLUMINATED(BSI) CMOS IMAGE SENSOR MARKET COMPETITIVE LANDSCAPE

- 3.1 Company Assessment Quadrant
- 3.2 Global Backside Illuminated(BSI) CMOS Image Sensor Product Life Cycle
- 3.3 Global Backside Illuminated(BSI) CMOS Image Sensor Sales by Manufacturers (2020-2025)
- 3.4 Global Backside Illuminated(BSI) CMOS Image Sensor Revenue Market Share by Manufacturers (2020-2025)
- 3.5 Backside Illuminated(BSI) CMOS Image Sensor Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.6 Global Backside Illuminated(BSI) CMOS Image Sensor Average Price by Manufacturers (2020-2025)

- 3.7 Manufacturers? Manufacturing Sites, Areas Served, and Product Types
- 3.8 Backside Illuminated(BSI) CMOS Image Sensor Market Competitive Situation and Trends
 - 3.8.1 Backside Illuminated(BSI) CMOS Image Sensor Market Concentration Rate
 - 3.8.2 Global 5 and 10 Largest Backside Illuminated(BSI) CMOS Image Sensor Players Market Share by Revenue
 - 3.8.3 Mergers & Acquisitions, Expansion

4 BACKSIDE ILLUMINATED(BSI) CMOS IMAGE SENSOR INDUSTRY CHAIN ANALYSIS

- 4.1 Backside Illuminated(BSI) CMOS Image Sensor Industry Chain Analysis
- 4.2 Market Overview of Key Raw Materials
- 4.3 Midstream Market Analysis
- 4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF BACKSIDE ILLUMINATED(BSI) CMOS IMAGE SENSOR MARKET

- 5.1 Key Development Trends
- 5.2 Driving Factors
- 5.3 Market Challenges
- 5.4 Industry News
 - 5.4.1 New Product Developments
 - 5.4.2 Mergers & Acquisitions
 - 5.4.3 Expansions
 - 5.4.4 Collaboration/Supply Contracts
- 5.5 PEST Analysis
 - 5.5.1 Industry Policies Analysis
 - 5.5.2 Economic Environment Analysis
 - 5.5.3 Social Environment Analysis
 - 5.5.4 Technological Environment Analysis
- 5.6 Global Backside Illuminated(BSI) CMOS Image Sensor Market Porter's Five Forces Analysis
 - 5.6.1 Global Trade Frictions
 - 5.6.2 U.S. Tariff Policy ? April 2025
 - 5.6.3 Global Trade Frictions and Their Impacts to Backside Illuminated(BSI) CMOS Image Sensor Market
- 5.7 ESG Ratings of Leading Companies

6 BACKSIDE ILLUMINATED(BSI) CMOS IMAGE SENSOR MARKET SEGMENTATION BY TYPE

- 6.1 Evaluation Matrix of Segment Market Development Potential (Type)
- 6.2 Global Backside Illuminated(BSI) CMOS Image Sensor Sales Market Share by Type (2020-2025)
- 6.3 Global Backside Illuminated(BSI) CMOS Image Sensor Market Size Market Share by Type (2020-2025)
- 6.4 Global Backside Illuminated(BSI) CMOS Image Sensor Price by Type (2020-2025)

7 BACKSIDE ILLUMINATED(BSI) CMOS IMAGE SENSOR MARKET SEGMENTATION BY APPLICATION

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
- 7.2 Global Backside Illuminated(BSI) CMOS Image Sensor Market Sales by Application (2020-2025)
- 7.3 Global Backside Illuminated(BSI) CMOS Image Sensor Market Size (M USD) by Application (2020-2025)
- 7.4 Global Backside Illuminated(BSI) CMOS Image Sensor Sales Growth Rate by Application (2020-2025)

8 BACKSIDE ILLUMINATED(BSI) CMOS IMAGE SENSOR MARKET SALES BY REGION

- 8.1 Global Backside Illuminated(BSI) CMOS Image Sensor Sales by Region
 - 8.1.1 Global Backside Illuminated(BSI) CMOS Image Sensor Sales by Region
 - 8.1.2 Global Backside Illuminated(BSI) CMOS Image Sensor Sales Market Share by Region
- 8.2 Global Backside Illuminated(BSI) CMOS Image Sensor Market Size by Region
 - 8.2.1 Global Backside Illuminated(BSI) CMOS Image Sensor Market Size by Region
 - 8.2.2 Global Backside Illuminated(BSI) CMOS Image Sensor Market Size Market Share by Region
- 8.3 North America
 - 8.3.1 North America Backside Illuminated(BSI) CMOS Image Sensor Sales by Country
 - 8.3.2 North America Backside Illuminated(BSI) CMOS Image Sensor Market Size by Country
 - 8.3.3 U.S. Market Overview
 - 8.3.4 Canada Market Overview

8.3.5 Mexico Market Overview

8.4 Europe

8.4.1 Europe Backside Illuminated(BSI) CMOS Image Sensor Sales by Country

8.4.2 Europe Backside Illuminated(BSI) CMOS Image Sensor Market Size by Country

8.4.3 Germany Market Overview

8.4.4 France Market Overview

8.4.5 U.K. Market Overview

8.4.6 Italy Market Overview

8.4.7 Spain Market Overview

8.5 Asia Pacific

8.5.1 Asia Pacific Backside Illuminated(BSI) CMOS Image Sensor Sales by Region

8.5.2 Asia Pacific Backside Illuminated(BSI) CMOS Image Sensor Market Size by

Region

8.5.3 China Market Overview

8.5.4 Japan Market Overview

8.5.5 South Korea Market Overview

8.5.6 India Market Overview

8.5.7 Southeast Asia Market Overview

8.6 South America

8.6.1 South America Backside Illuminated(BSI) CMOS Image Sensor Sales by Country

8.6.2 South America Backside Illuminated(BSI) CMOS Image Sensor Market Size by Country

8.6.3 Brazil Market Overview

8.6.4 Argentina Market Overview

8.6.5 Columbia Market Overview

8.7 Middle East and Africa

8.7.1 Middle East and Africa Backside Illuminated(BSI) CMOS Image Sensor Sales by Region

8.7.2 Middle East and Africa Backside Illuminated(BSI) CMOS Image Sensor Market Size by Region

8.7.3 Saudi Arabia Market Overview

8.7.4 UAE Market Overview

8.7.5 Egypt Market Overview

8.7.6 Nigeria Market Overview

8.7.7 South Africa Market Overview

9 BACKSIDE ILLUMINATED(BSI) CMOS IMAGE SENSOR MARKET PRODUCTION BY REGION

- 9.1 Global Production of Backside Illuminated(BSI) CMOS Image Sensor by Region(2020-2025)
- 9.2 Global Backside Illuminated(BSI) CMOS Image Sensor Revenue Market Share by Region (2020-2025)
- 9.3 Global Backside Illuminated(BSI) CMOS Image Sensor Production, Revenue, Price and Gross Margin (2020-2025)
- 9.4 North America Backside Illuminated(BSI) CMOS Image Sensor Production
 - 9.4.1 North America Backside Illuminated(BSI) CMOS Image Sensor Production Growth Rate (2020-2025)
 - 9.4.2 North America Backside Illuminated(BSI) CMOS Image Sensor Production, Revenue, Price and Gross Margin (2020-2025)
- 9.5 Europe Backside Illuminated(BSI) CMOS Image Sensor Production
 - 9.5.1 Europe Backside Illuminated(BSI) CMOS Image Sensor Production Growth Rate (2020-2025)
 - 9.5.2 Europe Backside Illuminated(BSI) CMOS Image Sensor Production, Revenue, Price and Gross Margin (2020-2025)
- 9.6 Japan Backside Illuminated(BSI) CMOS Image Sensor Production (2020-2025)
 - 9.6.1 Japan Backside Illuminated(BSI) CMOS Image Sensor Production Growth Rate (2020-2025)
 - 9.6.2 Japan Backside Illuminated(BSI) CMOS Image Sensor Production, Revenue, Price and Gross Margin (2020-2025)
- 9.7 China Backside Illuminated(BSI) CMOS Image Sensor Production (2020-2025)
 - 9.7.1 China Backside Illuminated(BSI) CMOS Image Sensor Production Growth Rate (2020-2025)
 - 9.7.2 China Backside Illuminated(BSI) CMOS Image Sensor Production, Revenue, Price and Gross Margin (2020-2025)

10 KEY COMPANIES PROFILE

- 10.1 Sony
 - 10.1.1 Sony Basic Information
 - 10.1.2 Sony Backside Illuminated(BSI) CMOS Image Sensor Product Overview
 - 10.1.3 Sony Backside Illuminated(BSI) CMOS Image Sensor Product Market Performance
 - 10.1.4 Sony Business Overview
 - 10.1.5 Sony SWOT Analysis
 - 10.1.6 Sony Recent Developments
- 10.2 SK Hynix

- 10.2.1 SK Hynix Basic Information
- 10.2.2 SK Hynix Backside Illuminated(BSI) CMOS Image Sensor Product Overview
- 10.2.3 SK Hynix Backside Illuminated(BSI) CMOS Image Sensor Product Market Performance
- 10.2.4 SK Hynix Business Overview
- 10.2.5 SK Hynix SWOT Analysis
- 10.2.6 SK Hynix Recent Developments
- 10.3 SmartSens
 - 10.3.1 SmartSens Basic Information
 - 10.3.2 SmartSens Backside Illuminated(BSI) CMOS Image Sensor Product Overview
 - 10.3.3 SmartSens Backside Illuminated(BSI) CMOS Image Sensor Product Market Performance
 - 10.3.4 SmartSens Business Overview
 - 10.3.5 SmartSens SWOT Analysis
 - 10.3.6 SmartSens Recent Developments
- 10.4 Willsemi
 - 10.4.1 Willsemi Basic Information
 - 10.4.2 Willsemi Backside Illuminated(BSI) CMOS Image Sensor Product Overview
 - 10.4.3 Willsemi Backside Illuminated(BSI) CMOS Image Sensor Product Market Performance
 - 10.4.4 Willsemi Business Overview
 - 10.4.5 Willsemi Recent Developments
- 10.5 Samsung
 - 10.5.1 Samsung Basic Information
 - 10.5.2 Samsung Backside Illuminated(BSI) CMOS Image Sensor Product Overview
 - 10.5.3 Samsung Backside Illuminated(BSI) CMOS Image Sensor Product Market Performance
 - 10.5.4 Samsung Business Overview
 - 10.5.5 Samsung Recent Developments
- 10.6 Aptina
 - 10.6.1 Aptina Basic Information
 - 10.6.2 Aptina Backside Illuminated(BSI) CMOS Image Sensor Product Overview
 - 10.6.3 Aptina Backside Illuminated(BSI) CMOS Image Sensor Product Market Performance
 - 10.6.4 Aptina Business Overview
 - 10.6.5 Aptina Recent Developments
- 10.7 Toshiba
 - 10.7.1 Toshiba Basic Information
 - 10.7.2 Toshiba Backside Illuminated(BSI) CMOS Image Sensor Product Overview

10.7.3 Toshiba Backside Illuminated(BSI) CMOS Image Sensor Product Market Performance

10.7.4 Toshiba Business Overview

10.7.5 Toshiba Recent Developments

11 BACKSIDE ILLUMINATED(BSI) CMOS IMAGE SENSOR MARKET FORECAST BY REGION

11.1 Global Backside Illuminated(BSI) CMOS Image Sensor Market Size Forecast

11.2 Global Backside Illuminated(BSI) CMOS Image Sensor Market Forecast by Region

11.2.1 North America Market Size Forecast by Country

11.2.2 Europe Backside Illuminated(BSI) CMOS Image Sensor Market Size Forecast by Country

11.2.3 Asia Pacific Backside Illuminated(BSI) CMOS Image Sensor Market Size Forecast by Region

11.2.4 South America Backside Illuminated(BSI) CMOS Image Sensor Market Size Forecast by Country

11.2.5 Middle East and Africa Forecasted Sales of Backside Illuminated(BSI) CMOS Image Sensor by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2026-2033)

12.1 Global Backside Illuminated(BSI) CMOS Image Sensor Market Forecast by Type (2026-2033)

12.1.1 Global Forecasted Sales of Backside Illuminated(BSI) CMOS Image Sensor by Type (2026-2033)

12.1.2 Global Backside Illuminated(BSI) CMOS Image Sensor Market Size Forecast by Type (2026-2033)

12.1.3 Global Forecasted Price of Backside Illuminated(BSI) CMOS Image Sensor by Type (2026-2033)

12.2 Global Backside Illuminated(BSI) CMOS Image Sensor Market Forecast by Application (2026-2033)

12.2.1 Global Backside Illuminated(BSI) CMOS Image Sensor Sales (K Units) Forecast by Application

12.2.2 Global Backside Illuminated(BSI) CMOS Image Sensor Market Size (M USD) Forecast by Application (2026-2033)

13 CONCLUSION AND KEY FINDINGS

List Of Tables

LIST OF TABLES

Table 1. Introduction of the Type

Table 2. Introduction of the Application

Table 3. Market Size (M USD) Segment Executive Summary

Table 4. Backside Illuminated(BSI) CMOS Image Sensor Market Size Comparison by Region (M USD)

Table 5. Global Backside Illuminated(BSI) CMOS Image Sensor Sales (K Units) by Manufacturers (2020-2025)

Table 6. Global Backside Illuminated(BSI) CMOS Image Sensor Sales Market Share by Manufacturers (2020-2025)

Table 7. Global Backside Illuminated(BSI) CMOS Image Sensor Revenue (M USD) by Manufacturers (2020-2025)

Table 8. Global Backside Illuminated(BSI) CMOS Image Sensor Revenue Share by Manufacturers (2020-2025)

Table 9. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Backside Illuminated(BSI) CMOS Image Sensor as of 2024)

Table 10. Global Market Backside Illuminated(BSI) CMOS Image Sensor Average Price (USD/Unit) of Key Manufacturers (2020-2025)

Table 11. Manufacturers? Manufacturing Sites, Areas Served

Table 12. Manufacturers? Product Type

Table 13. Global Backside Illuminated(BSI) CMOS Image Sensor Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 14. Mergers & Acquisitions, Expansion Plans

Table 15. Market Overview of Key Raw Materials

Table 16. Midstream Market Analysis

Table 17. Downstream Customer Analysis

Table 18. Key Development Trends

Table 19. Driving Factors

Table 20. Backside Illuminated(BSI) CMOS Image Sensor Market Challenges

Table 21. Goldman Sachs' forecast real GDP growth rate for 2024-2026

Table 22. S&P Global ' Forecast Real GDP Growth Rate For 2024-2027

Table 23. World Bank ' Forecast Real GDP Growth Rate For 2024-2026

Table 24. The Tariff Rates Imposed by the United States on Major Commodity Trading Countries

Table 25. Global Backside Illuminated(BSI) CMOS Image Sensor Sales by Type (K Units)

- Table 26. Global Backside Illuminated(BSI) CMOS Image Sensor Market Size by Type (M USD)
- Table 27. Global Backside Illuminated(BSI) CMOS Image Sensor Sales (K Units) by Type (2020-2025)
- Table 28. Global Backside Illuminated(BSI) CMOS Image Sensor Sales Market Share by Type (2020-2025)
- Table 29. Global Backside Illuminated(BSI) CMOS Image Sensor Market Size (M USD) by Type (2020-2025)
- Table 30. Global Backside Illuminated(BSI) CMOS Image Sensor Market Size Share by Type (2020-2025)
- Table 31. Global Backside Illuminated(BSI) CMOS Image Sensor Price (USD/Unit) by Type (2020-2025)
- Table 32. Global Backside Illuminated(BSI) CMOS Image Sensor Sales (K Units) by Application
- Table 33. Global Backside Illuminated(BSI) CMOS Image Sensor Market Size by Application
- Table 34. Global Backside Illuminated(BSI) CMOS Image Sensor Sales by Application (2020-2025) & (K Units)
- Table 35. Global Backside Illuminated(BSI) CMOS Image Sensor Sales Market Share by Application (2020-2025)
- Table 36. Global Backside Illuminated(BSI) CMOS Image Sensor Market Size by Application (2020-2025) & (M USD)
- Table 37. Global Backside Illuminated(BSI) CMOS Image Sensor Market Share by Application (2020-2025)
- Table 38. Global Backside Illuminated(BSI) CMOS Image Sensor Sales Growth Rate by Application (2020-2025)
- Table 39. Global Backside Illuminated(BSI) CMOS Image Sensor Sales by Region (2020-2025) & (K Units)
- Table 40. Global Backside Illuminated(BSI) CMOS Image Sensor Sales Market Share by Region (2020-2025)
- Table 41. Global Backside Illuminated(BSI) CMOS Image Sensor Market Size by Region (2020-2025) & (M USD)
- Table 42. Global Backside Illuminated(BSI) CMOS Image Sensor Market Size Market Share by Region (2020-2025)
- Table 43. North America Backside Illuminated(BSI) CMOS Image Sensor Sales by Country (2020-2025) & (K Units)
- Table 44. North America Backside Illuminated(BSI) CMOS Image Sensor Market Size by Country (2020-2025) & (M USD)
- Table 45. Europe Backside Illuminated(BSI) CMOS Image Sensor Sales by Country

(2020-2025) & (K Units)

Table 46. Europe Backside Illuminated(BSI) CMOS Image Sensor Market Size by Country (2020-2025) & (M USD)

Table 47. Asia Pacific Backside Illuminated(BSI) CMOS Image Sensor Sales by Region (2020-2025) & (K Units)

Table 48. Asia Pacific Backside Illuminated(BSI) CMOS Image Sensor Market Size by Region (2020-2025) & (M USD)

Table 49. South America Backside Illuminated(BSI) CMOS Image Sensor Sales by Country (2020-2025) & (K Units)

Table 50. South America Backside Illuminated(BSI) CMOS Image Sensor Market Size by Country (2020-2025) & (M USD)

Table 51. Middle East and Africa Backside Illuminated(BSI) CMOS Image Sensor Sales by Region (2020-2025) & (K Units)

Table 52. Middle East and Africa Backside Illuminated(BSI) CMOS Image Sensor Market Size by Region (2020-2025) & (M USD)

Table 53. Global Backside Illuminated(BSI) CMOS Image Sensor Production (K Units) by Region(2020-2025)

Table 54. Global Backside Illuminated(BSI) CMOS Image Sensor Revenue (US\$ Million) by Region (2020-2025)

Table 55. Global Backside Illuminated(BSI) CMOS Image Sensor Revenue Market Share by Region (2020-2025)

Table 56. Global Backside Illuminated(BSI) CMOS Image Sensor Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 57. North America Backside Illuminated(BSI) CMOS Image Sensor Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 58. Europe Backside Illuminated(BSI) CMOS Image Sensor Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 59. Japan Backside Illuminated(BSI) CMOS Image Sensor Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 60. China Backside Illuminated(BSI) CMOS Image Sensor Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 61. Sony Basic Information

Table 62. Sony Backside Illuminated(BSI) CMOS Image Sensor Product Overview

Table 63. Sony Backside Illuminated(BSI) CMOS Image Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 64. Sony Business Overview

Table 65. Sony SWOT Analysis

Table 66. Sony Recent Developments

Table 67. SK Hynix Basic Information

Table 68. SK Hynix Backside Illuminated(BSI) CMOS Image Sensor Product Overview

Table 69. SK Hynix Backside Illuminated(BSI) CMOS Image Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 70. SK Hynix Business Overview

Table 71. SK Hynix SWOT Analysis

Table 72. SK Hynix Recent Developments

Table 73. SmartSens Basic Information

Table 74. SmartSens Backside Illuminated(BSI) CMOS Image Sensor Product Overview

Table 75. SmartSens Backside Illuminated(BSI) CMOS Image Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 76. SmartSens Business Overview

Table 77. SmartSens SWOT Analysis

Table 78. SmartSens Recent Developments

Table 79. Willsemi Basic Information

Table 80. Willsemi Backside Illuminated(BSI) CMOS Image Sensor Product Overview

Table 81. Willsemi Backside Illuminated(BSI) CMOS Image Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 82. Willsemi Business Overview

Table 83. Willsemi Recent Developments

Table 84. Samsung Basic Information

Table 85. Samsung Backside Illuminated(BSI) CMOS Image Sensor Product Overview

Table 86. Samsung Backside Illuminated(BSI) CMOS Image Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 87. Samsung Business Overview

Table 88. Samsung Recent Developments

Table 89. Aptina Basic Information

Table 90. Aptina Backside Illuminated(BSI) CMOS Image Sensor Product Overview

Table 91. Aptina Backside Illuminated(BSI) CMOS Image Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 92. Aptina Business Overview

Table 93. Aptina Recent Developments

Table 94. Toshiba Basic Information

Table 95. Toshiba Backside Illuminated(BSI) CMOS Image Sensor Product Overview

Table 96. Toshiba Backside Illuminated(BSI) CMOS Image Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 97. Toshiba Business Overview

Table 98. Toshiba Recent Developments

Table 99. Global Backside Illuminated(BSI) CMOS Image Sensor Sales Forecast by

Region (2026-2033) & (K Units)

Table 100. Global Backside Illuminated(BSI) CMOS Image Sensor Market Size Forecast by Region (2026-2033) & (M USD)

Table 101. North America Backside Illuminated(BSI) CMOS Image Sensor Sales Forecast by Country (2026-2033) & (K Units)

Table 102. North America Backside Illuminated(BSI) CMOS Image Sensor Market Size Forecast by Country (2026-2033) & (M USD)

Table 103. Europe Backside Illuminated(BSI) CMOS Image Sensor Sales Forecast by Country (2026-2033) & (K Units)

Table 104. Europe Backside Illuminated(BSI) CMOS Image Sensor Market Size Forecast by Country (2026-2033) & (M USD)

Table 105. Asia Pacific Backside Illuminated(BSI) CMOS Image Sensor Sales Forecast by Region (2026-2033) & (K Units)

Table 106. Asia Pacific Backside Illuminated(BSI) CMOS Image Sensor Market Size Forecast by Region (2026-2033) & (M USD)

Table 107. South America Backside Illuminated(BSI) CMOS Image Sensor Sales Forecast by Country (2026-2033) & (K Units)

Table 108. South America Backside Illuminated(BSI) CMOS Image Sensor Market Size Forecast by Country (2026-2033) & (M USD)

Table 109. Middle East and Africa Backside Illuminated(BSI) CMOS Image Sensor Sales Forecast by Country (2026-2033) & (Units)

Table 110. Middle East and Africa Backside Illuminated(BSI) CMOS Image Sensor Market Size Forecast by Country (2026-2033) & (M USD)

Table 111. Global Backside Illuminated(BSI) CMOS Image Sensor Sales Forecast by Type (2026-2033) & (K Units)

Table 112. Global Backside Illuminated(BSI) CMOS Image Sensor Market Size Forecast by Type (2026-2033) & (M USD)

Table 113. Global Backside Illuminated(BSI) CMOS Image Sensor Price Forecast by Type (2026-2033) & (USD/Unit)

Table 114. Global Backside Illuminated(BSI) CMOS Image Sensor Sales (K Units) Forecast by Application (2026-2033)

Table 115. Global Backside Illuminated(BSI) CMOS Image Sensor Market Size Forecast by Application (2026-2033) & (M USD)

List Of Figures

LIST OF FIGURES

- Figure 1. Product Picture of Backside Illuminated(BSI) CMOS Image Sensor
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global Backside Illuminated(BSI) CMOS Image Sensor Market Size (M USD), 2024-2033
- Figure 5. Global Backside Illuminated(BSI) CMOS Image Sensor Market Size (M USD) (2020-2033)
- Figure 6. Global Backside Illuminated(BSI) CMOS Image Sensor Sales (K Units) & (2020-2033)
- Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 9. Evaluation Matrix of Regional Market Development Potential
- Figure 10. Backside Illuminated(BSI) CMOS Image Sensor Market Size by Country (M USD)
- Figure 11. Company Assessment Quadrant
- Figure 12. Global Backside Illuminated(BSI) CMOS Image Sensor Product Life Cycle
- Figure 13. Backside Illuminated(BSI) CMOS Image Sensor Sales Share by Manufacturers in 2024
- Figure 14. Global Backside Illuminated(BSI) CMOS Image Sensor Revenue Share by Manufacturers in 2024
- Figure 15. Backside Illuminated(BSI) CMOS Image Sensor Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2024
- Figure 16. Global Market Backside Illuminated(BSI) CMOS Image Sensor Average Price (USD/Unit) of Key Manufacturers in 2024
- Figure 17. The Global 5 and 10 Largest Players: Market Share by Backside Illuminated(BSI) CMOS Image Sensor Revenue in 2024
- Figure 18. Industry Chain Map of Backside Illuminated(BSI) CMOS Image Sensor
- Figure 19. Global Backside Illuminated(BSI) CMOS Image Sensor Market PEST Analysis
- Figure 20. Global Backside Illuminated(BSI) CMOS Image Sensor Market Porter's Five Forces Analysis
- Figure 21. Global Merchandise Trade as a Percentage Of GDP
- Figure 22. US - Imports of Goods by Country
- Figure 23. China Exports by Country
- Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers

Figure 25. Evaluation Matrix of Segment Market Development Potential (Type)

Figure 26. Global Backside Illuminated(BSI) CMOS Image Sensor Market Share by Type

Figure 27. Sales Market Share of Backside Illuminated(BSI) CMOS Image Sensor by Type (2020-2025)

Figure 28. Sales Market Share of Backside Illuminated(BSI) CMOS Image Sensor by Type in 2024

Figure 29. Market Size Share of Backside Illuminated(BSI) CMOS Image Sensor by Type (2020-2025)

Figure 30. Market Size Share of Backside Illuminated(BSI) CMOS Image Sensor by Type in 2024

Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 32. Global Backside Illuminated(BSI) CMOS Image Sensor Market Share by Application

Figure 33. Global Backside Illuminated(BSI) CMOS Image Sensor Sales Market Share by Application (2020-2025)

Figure 34. Global Backside Illuminated(BSI) CMOS Image Sensor Sales Market Share by Application in 2024

Figure 35. Global Backside Illuminated(BSI) CMOS Image Sensor Market Share by Application (2020-2025)

Figure 36. Global Backside Illuminated(BSI) CMOS Image Sensor Market Share by Application in 2024

Figure 37. Global Backside Illuminated(BSI) CMOS Image Sensor Sales Growth Rate by Application (2020-2025)

Figure 38. Global Backside Illuminated(BSI) CMOS Image Sensor Sales Market Share by Region (2020-2025)

Figure 39. Global Backside Illuminated(BSI) CMOS Image Sensor Market Size Market Share by Region (2020-2025)

Figure 40. North America Backside Illuminated(BSI) CMOS Image Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 41. North America Backside Illuminated(BSI) CMOS Image Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 42. North America Backside Illuminated(BSI) CMOS Image Sensor Sales Market Share by Country in 2024

Figure 43. North America Backside Illuminated(BSI) CMOS Image Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 44. North America Backside Illuminated(BSI) CMOS Image Sensor Market Size Market Share by Country in 2024

Figure 45. U.S. Backside Illuminated(BSI) CMOS Image Sensor Sales and Growth Rate

(2020-2025) & (K Units)

Figure 46. U.S. Backside Illuminated(BSI) CMOS Image Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 47. Canada Backside Illuminated(BSI) CMOS Image Sensor Sales (K Units) and Growth Rate (2020-2025)

Figure 48. Canada Backside Illuminated(BSI) CMOS Image Sensor Market Size (M USD) and Growth Rate (2020-2025)

Figure 49. Mexico Backside Illuminated(BSI) CMOS Image Sensor Sales (Units) and Growth Rate (2020-2025)

Figure 50. Mexico Backside Illuminated(BSI) CMOS Image Sensor Market Size (Units) and Growth Rate (2020-2025)

Figure 51. Europe Backside Illuminated(BSI) CMOS Image Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 52. Europe Backside Illuminated(BSI) CMOS Image Sensor Sales Market Share by Country in 2024

Figure 53. Europe Backside Illuminated(BSI) CMOS Image Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 54. Europe Backside Illuminated(BSI) CMOS Image Sensor Market Size Market Share by Country in 2024

Figure 55. Germany Backside Illuminated(BSI) CMOS Image Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 56. Germany Backside Illuminated(BSI) CMOS Image Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 57. France Backside Illuminated(BSI) CMOS Image Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 58. France Backside Illuminated(BSI) CMOS Image Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 59. U.K. Backside Illuminated(BSI) CMOS Image Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 60. U.K. Backside Illuminated(BSI) CMOS Image Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 61. Italy Backside Illuminated(BSI) CMOS Image Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 62. Italy Backside Illuminated(BSI) CMOS Image Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 63. Spain Backside Illuminated(BSI) CMOS Image Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 64. Spain Backside Illuminated(BSI) CMOS Image Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 65. Asia Pacific Backside Illuminated(BSI) CMOS Image Sensor Sales and Growth Rate (K Units)

Figure 66. Asia Pacific Backside Illuminated(BSI) CMOS Image Sensor Sales Market Share by Region in 2024

Figure 67. Asia Pacific Backside Illuminated(BSI) CMOS Image Sensor Market Size Market Share by Region in 2024

Figure 68. China Backside Illuminated(BSI) CMOS Image Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 69. China Backside Illuminated(BSI) CMOS Image Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 70. Japan Backside Illuminated(BSI) CMOS Image Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 71. Japan Backside Illuminated(BSI) CMOS Image Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 72. South Korea Backside Illuminated(BSI) CMOS Image Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 73. South Korea Backside Illuminated(BSI) CMOS Image Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 74. India Backside Illuminated(BSI) CMOS Image Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 75. India Backside Illuminated(BSI) CMOS Image Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 76. Southeast Asia Backside Illuminated(BSI) CMOS Image Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 77. Southeast Asia Backside Illuminated(BSI) CMOS Image Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 78. South America Backside Illuminated(BSI) CMOS Image Sensor Sales and Growth Rate (K Units)

Figure 79. South America Backside Illuminated(BSI) CMOS Image Sensor Sales Market Share by Country in 2024

Figure 80. South America Backside Illuminated(BSI) CMOS Image Sensor Market Size and Growth Rate (M USD)

Figure 81. South America Backside Illuminated(BSI) CMOS Image Sensor Market Size Market Share by Country in 2024

Figure 82. Brazil Backside Illuminated(BSI) CMOS Image Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 83. Brazil Backside Illuminated(BSI) CMOS Image Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 84. Argentina Backside Illuminated(BSI) CMOS Image Sensor Sales and Growth

Rate (2020-2025) & (K Units)

Figure 85. Argentina Backside Illuminated(BSI) CMOS Image Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 86. Columbia Backside Illuminated(BSI) CMOS Image Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 87. Columbia Backside Illuminated(BSI) CMOS Image Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 88. Middle East and Africa Backside Illuminated(BSI) CMOS Image Sensor Sales and Growth Rate (K Units)

Figure 89. Middle East and Africa Backside Illuminated(BSI) CMOS Image Sensor Sales Market Share by Region in 2024

Figure 90. Middle East and Africa Backside Illuminated(BSI) CMOS Image Sensor Market Size and Growth Rate (M USD)

Figure 91. Middle East and Africa Backside Illuminated(BSI) CMOS Image Sensor Market Size Market Share by Region in 2024

Figure 92. Saudi Arabia Backside Illuminated(BSI) CMOS Image Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 93. Saudi Arabia Backside Illuminated(BSI) CMOS Image Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 94. UAE Backside Illuminated(BSI) CMOS Image Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 95. UAE Backside Illuminated(BSI) CMOS Image Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 96. Egypt Backside Illuminated(BSI) CMOS Image Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 97. Egypt Backside Illuminated(BSI) CMOS Image Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 98. Nigeria Backside Illuminated(BSI) CMOS Image Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 99. Nigeria Backside Illuminated(BSI) CMOS Image Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 100. South Africa Backside Illuminated(BSI) CMOS Image Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 101. South Africa Backside Illuminated(BSI) CMOS Image Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 102. Global Backside Illuminated(BSI) CMOS Image Sensor Production Market Share by Region (2020-2025)

Figure 103. North America Backside Illuminated(BSI) CMOS Image Sensor Production (K Units) Growth Rate (2020-2025)

Figure 104. Europe Backside Illuminated(BSI) CMOS Image Sensor Production (K Units) Growth Rate (2020-2025)

Figure 105. Japan Backside Illuminated(BSI) CMOS Image Sensor Production (K Units) Growth Rate (2020-2025)

Figure 106. China Backside Illuminated(BSI) CMOS Image Sensor Production (K Units) Growth Rate (2020-2025)

Figure 107. Global Backside Illuminated(BSI) CMOS Image Sensor Sales Forecast by Volume (2020-2033) & (K Units)

Figure 108. Global Backside Illuminated(BSI) CMOS Image Sensor Market Size Forecast by Value (2020-2033) & (M USD)

Figure 109. Global Backside Illuminated(BSI) CMOS Image Sensor Sales Market Share Forecast by Type (2026-2033)

Figure 110. Global Backside Illuminated(BSI) CMOS Image Sensor Market Share Forecast by Type (2026-2033)

Figure 111. Global Backside Illuminated(BSI) CMOS Image Sensor Sales Forecast by Application (2026-2033)

Figure 112. Global Backside Illuminated(BSI) CMOS Image Sensor Market Share Forecast by Application (2026-2033)

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