

Global GaAs-based VCSEL in AI Market Growth 2026-2032

<https://marketpublishers.com/r/GB6B24367FBEEN.html>

Date: June 2026

Pages: 96

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

ID: GB6B24367FBEEN

Abstracts

The global GaAs-based VCSEL in AI market size is predicted to grow from US\$ 115 million in 2025 to US\$ 330 million in 2032; it is expected to grow at a CAGR of 16.6% from 2026 to 2032.

A vertical-cavity surface-emitting laser (VCSEL) is a semiconductor-based laser diode that emits a highly efficient optical beam vertically from its top surface. VCSELs differ from other common semiconductor optical sources such as Edge Emitting Lasers (EEL) that emit light from the side. VCSEL has the characteristics of single longitudinal mode, circular output spot, low price and easy integration, but the luminous transmission distance is short, suitable for short distance transmission within 500m. The main application scenarios are: internal data center, consumer electronics.

This report studies GaAs-based VCSEL in AI market.

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

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

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

Global key GaAs-based VCSEL in AI players cover Lumentum, Coherent(II-VI), ams-OSRAM, TRUMPF, Broadcom, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

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

This Insight Report provides a comprehensive analysis of the global GaAs-based VCSEL in AI landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on GaAs-based VCSEL in AI portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global GaAs-based VCSEL in AI market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for GaAs-based VCSEL in AI and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global GaAs-based VCSEL in AI.

This report presents a comprehensive overview, market shares, and growth opportunities of GaAs-based VCSEL in AI market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Single-Mode VCSEL

Multi-Mode VCSEL

Segmentation by Application:

Smart Home

Automotive

AR/VR

Other

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Lumentum

Coherent(II-VI)

ams-OSRAM

TRUMPF

Broadcom

Mitsubishi Electric

Accelink Technologies

Vertilite

CS Microelectronics

Suzhou Everbright Photonics

Key Questions Addressed in this Report

What is the 10-year outlook for the global GaAs-based VCSEL in AI market?

What factors are driving GaAs-based VCSEL in AI market growth, globally and by region?

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

How do GaAs-based VCSEL in AI market opportunities vary by end market size?

How does GaAs-based VCSEL in AI break out by Type, by Application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global GaAs-based VCSEL in AI Annual Sales 2021-2032
 - 2.1.2 World Current & Future Analysis for GaAs-based VCSEL in AI by Geographic Region, 2021, 2025 & 2032
 - 2.1.3 World Current & Future Analysis for GaAs-based VCSEL in AI by Country/Region, 2021, 2025 & 2032
- 2.2 GaAs-based VCSEL in AI Segment by Type
 - 2.2.1 Single-Mode VCSEL
 - 2.2.2 Multi-Mode VCSEL
 - 2.2.3 GaAs-based VCSEL in AI Sales by Type
 - 2.2.3.1 Global GaAs-based VCSEL in AI Sales Market Share by Type (2021-2026)
 - 2.2.3.2 Global GaAs-based VCSEL in AI Revenue and Market Share by Type (2021-2026)
 - 2.2.3.3 Global GaAs-based VCSEL in AI Sale Price by Type (2021-2026)
- 2.3 GaAs-based VCSEL in AI Segment by Application
 - 2.3.1 Smart Home
 - 2.3.2 Automotive
 - 2.3.3 AR/VR
 - 2.3.4 Other
 - 2.3.5 GaAs-based VCSEL in AI Sales by Application
 - 2.3.5.1 Global GaAs-based VCSEL in AI Sale Market Share by Application (2021-2026)
 - 2.3.5.2 Global GaAs-based VCSEL in AI Revenue and Market Share by Application (2021-2026)

2.3.5.3 Global GaAs-based VCSEL in AI Sale Price by Application (2021-2026)

3 GLOBAL BY COMPANY

3.1 Global GaAs-based VCSEL in AI Breakdown Data by Company

3.1.1 Global GaAs-based VCSEL in AI Annual Sales by Company (2021-2026)

3.1.2 Global GaAs-based VCSEL in AI Sales Market Share by Company (2021-2026)

3.2 Global GaAs-based VCSEL in AI Annual Revenue by Company (2021-2026)

3.2.1 Global GaAs-based VCSEL in AI Revenue by Company (2021-2026)

3.2.2 Global GaAs-based VCSEL in AI Revenue Market Share by Company (2021-2026)

3.3 Global GaAs-based VCSEL in AI Sale Price by Company

3.4 Key Manufacturers GaAs-based VCSEL in AI Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers GaAs-based VCSEL in AI Product Location Distribution

3.4.2 Players GaAs-based VCSEL in AI Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

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

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR GAAS-BASED VCSEL IN AI BY GEOGRAPHIC REGION

4.1 World Historic GaAs-based VCSEL in AI Market Size by Geographic Region (2021-2026)

4.1.1 Global GaAs-based VCSEL in AI Annual Sales by Geographic Region (2021-2026)

4.1.2 Global GaAs-based VCSEL in AI Annual Revenue by Geographic Region (2021-2026)

4.2 World Historic GaAs-based VCSEL in AI Market Size by Country/Region (2021-2026)

4.2.1 Global GaAs-based VCSEL in AI Annual Sales by Country/Region (2021-2026)

4.2.2 Global GaAs-based VCSEL in AI Annual Revenue by Country/Region (2021-2026)

4.3 Americas GaAs-based VCSEL in AI Sales Growth

4.4 APAC GaAs-based VCSEL in AI Sales Growth

4.5 Europe GaAs-based VCSEL in AI Sales Growth

4.6 Middle East & Africa GaAs-based VCSEL in AI Sales Growth

5 AMERICAS

5.1 Americas GaAs-based VCSEL in AI Sales by Country

5.1.1 Americas GaAs-based VCSEL in AI Sales by Country (2021-2026)

5.1.2 Americas GaAs-based VCSEL in AI Revenue by Country (2021-2026)

5.2 Americas GaAs-based VCSEL in AI Sales by Type (2021-2026)

5.3 Americas GaAs-based VCSEL in AI Sales by Application (2021-2026)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC GaAs-based VCSEL in AI Sales by Region

6.1.1 APAC GaAs-based VCSEL in AI Sales by Region (2021-2026)

6.1.2 APAC GaAs-based VCSEL in AI Revenue by Region (2021-2026)

6.2 APAC GaAs-based VCSEL in AI Sales by Type (2021-2026)

6.3 APAC GaAs-based VCSEL in AI Sales by Application (2021-2026)

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe GaAs-based VCSEL in AI by Country

7.1.1 Europe GaAs-based VCSEL in AI Sales by Country (2021-2026)

7.1.2 Europe GaAs-based VCSEL in AI Revenue by Country (2021-2026)

7.2 Europe GaAs-based VCSEL in AI Sales by Type (2021-2026)

7.3 Europe GaAs-based VCSEL in AI Sales by Application (2021-2026)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa GaAs-based VCSEL in AI by Country

8.1.1 Middle East & Africa GaAs-based VCSEL in AI Sales by Country (2021-2026)

8.1.2 Middle East & Africa GaAs-based VCSEL in AI Revenue by Country (2021-2026)

8.2 Middle East & Africa GaAs-based VCSEL in AI Sales by Type (2021-2026)

8.3 Middle East & Africa GaAs-based VCSEL in AI Sales by Application (2021-2026)

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of GaAs-based VCSEL in AI

10.3 Manufacturing Process Analysis of GaAs-based VCSEL in AI

10.4 Industry Chain Structure of GaAs-based VCSEL in AI

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 GaAs-based VCSEL in AI Distributors

11.3 GaAs-based VCSEL in AI Customer

12 WORLD FORECAST REVIEW FOR GAAS-BASED VCSEL IN AI BY GEOGRAPHIC REGION

- 12.1 Global GaAs-based VCSEL in AI Market Size Forecast by Region
 - 12.1.1 Global GaAs-based VCSEL in AI Forecast by Region (2027-2032)
 - 12.1.2 Global GaAs-based VCSEL in AI Annual Revenue Forecast by Region (2027-2032)
- 12.2 Americas Forecast by Country (2027-2032)
- 12.3 APAC Forecast by Region (2027-2032)
- 12.4 Europe Forecast by Country (2027-2032)
- 12.5 Middle East & Africa Forecast by Country (2027-2032)
- 12.6 Global GaAs-based VCSEL in AI Forecast by Type (2027-2032)
- 12.7 Global GaAs-based VCSEL in AI Forecast by Application (2027-2032)

13 KEY PLAYERS ANALYSIS

- 13.1 Lumentum
 - 13.1.1 Lumentum Company Information
 - 13.1.2 Lumentum GaAs-based VCSEL in AI Product Portfolios and Specifications
 - 13.1.3 Lumentum GaAs-based VCSEL in AI Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.1.4 Lumentum Main Business Overview
 - 13.1.5 Lumentum Latest Developments
- 13.2 Coherent(II-VI)
 - 13.2.1 Coherent(II-VI) Company Information
 - 13.2.2 Coherent(II-VI) GaAs-based VCSEL in AI Product Portfolios and Specifications
 - 13.2.3 Coherent(II-VI) GaAs-based VCSEL in AI Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.2.4 Coherent(II-VI) Main Business Overview
 - 13.2.5 Coherent(II-VI) Latest Developments
- 13.3 ams-OSRAM
 - 13.3.1 ams-OSRAM Company Information
 - 13.3.2 ams-OSRAM GaAs-based VCSEL in AI Product Portfolios and Specifications
 - 13.3.3 ams-OSRAM GaAs-based VCSEL in AI Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.3.4 ams-OSRAM Main Business Overview
 - 13.3.5 ams-OSRAM Latest Developments
- 13.4 TRUMPF
 - 13.4.1 TRUMPF Company Information
 - 13.4.2 TRUMPF GaAs-based VCSEL in AI Product Portfolios and Specifications
 - 13.4.3 TRUMPF GaAs-based VCSEL in AI Sales, Revenue, Price and Gross Margin

(2021-2026)

13.4.4 TRUMPF Main Business Overview

13.4.5 TRUMPF Latest Developments

13.5 Broadcom

13.5.1 Broadcom Company Information

13.5.2 Broadcom GaAs-based VCSEL in AI Product Portfolios and Specifications

13.5.3 Broadcom GaAs-based VCSEL in AI Sales, Revenue, Price and Gross Margin

(2021-2026)

13.5.4 Broadcom Main Business Overview

13.5.5 Broadcom Latest Developments

13.6 Mitsubishi Electric

13.6.1 Mitsubishi Electric Company Information

13.6.2 Mitsubishi Electric GaAs-based VCSEL in AI Product Portfolios and Specifications

13.6.3 Mitsubishi Electric GaAs-based VCSEL in AI Sales, Revenue, Price and Gross Margin (2021-2026)

13.6.4 Mitsubishi Electric Main Business Overview

13.6.5 Mitsubishi Electric Latest Developments

13.7 Accelink Technologies

13.7.1 Accelink Technologies Company Information

13.7.2 Accelink Technologies GaAs-based VCSEL in AI Product Portfolios and Specifications

13.7.3 Accelink Technologies GaAs-based VCSEL in AI Sales, Revenue, Price and Gross Margin (2021-2026)

13.7.4 Accelink Technologies Main Business Overview

13.7.5 Accelink Technologies Latest Developments

13.8 Vertilite

13.8.1 Vertilite Company Information

13.8.2 Vertilite GaAs-based VCSEL in AI Product Portfolios and Specifications

13.8.3 Vertilite GaAs-based VCSEL in AI Sales, Revenue, Price and Gross Margin (2021-2026)

13.8.4 Vertilite Main Business Overview

13.8.5 Vertilite Latest Developments

13.9 CS Microelectronics

13.9.1 CS Microelectronics Company Information

13.9.2 CS Microelectronics GaAs-based VCSEL in AI Product Portfolios and Specifications

13.9.3 CS Microelectronics GaAs-based VCSEL in AI Sales, Revenue, Price and Gross Margin (2021-2026)

13.9.4 CS Microelectronics Main Business Overview

13.9.5 CS Microelectronics Latest Developments

13.10 Suzhou Everbright Photonics

13.10.1 Suzhou Everbright Photonics Company Information

13.10.2 Suzhou Everbright Photonics GaAs-based VCSEL in AI Product Portfolios and Specifications

13.10.3 Suzhou Everbright Photonics GaAs-based VCSEL in AI Sales, Revenue, Price and Gross Margin (2021-2026)

13.10.4 Suzhou Everbright Photonics Main Business Overview

13.10.5 Suzhou Everbright Photonics Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. GaAs-based VCSEL in AI Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Table 2. GaAs-based VCSEL in AI Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)

Table 3. Major Players of Single-Mode VCSEL

Table 4. Major Players of Multi-Mode VCSEL

Table 5. Global GaAs-based VCSEL in AI Sales by Type (2021-2026) & (K Units)

Table 6. Global GaAs-based VCSEL in AI Sales Market Share by Type (2021-2026)

Table 7. Global GaAs-based VCSEL in AI Revenue by Type (2021-2026) & (\$ million)

Table 8. Global GaAs-based VCSEL in AI Revenue Market Share by Type (2021-2026)

Table 9. Global GaAs-based VCSEL in AI Sale Price by Type (2021-2026) & (US\$/Unit)

Table 10. Global GaAs-based VCSEL in AI Sale by Application (2021-2026) & (K Units)

Table 11. Global GaAs-based VCSEL in AI Sale Market Share by Application (2021-2026)

Table 12. Global GaAs-based VCSEL in AI Revenue by Application (2021-2026) & (\$ million)

Table 13. Global GaAs-based VCSEL in AI Revenue Market Share by Application (2021-2026)

Table 14. Global GaAs-based VCSEL in AI Sale Price by Application (2021-2026) & (US\$/Unit)

Table 15. Global GaAs-based VCSEL in AI Sales by Company (2021-2026) & (K Units)

Table 16. Global GaAs-based VCSEL in AI Sales Market Share by Company (2021-2026)

Table 17. Global GaAs-based VCSEL in AI Revenue by Company (2021-2026) & (\$ millions)

Table 18. Global GaAs-based VCSEL in AI Revenue Market Share by Company (2021-2026)

Table 19. Global GaAs-based VCSEL in AI Sale Price by Company (2021-2026) & (US\$/Unit)

Table 20. Key Manufacturers GaAs-based VCSEL in AI Producing Area Distribution and Sales Area

Table 21. Players GaAs-based VCSEL in AI Products Offered

Table 22. GaAs-based VCSEL in AI Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

Table 23. New Products and Potential Entrants

Table 24. Market M&A Activity & Strategy

Table 25. Global GaAs-based VCSEL in AI Sales by Geographic Region (2021-2026) & (K Units)

Table 26. Global GaAs-based VCSEL in AI Sales Market Share Geographic Region (2021-2026)

Table 27. Global GaAs-based VCSEL in AI Revenue by Geographic Region (2021-2026) & (\$ millions)

Table 28. Global GaAs-based VCSEL in AI Revenue Market Share by Geographic Region (2021-2026)

Table 29. Global GaAs-based VCSEL in AI Sales by Country/Region (2021-2026) & (K Units)

Table 30. Global GaAs-based VCSEL in AI Sales Market Share by Country/Region (2021-2026)

Table 31. Global GaAs-based VCSEL in AI Revenue by Country/Region (2021-2026) & (\$ millions)

Table 32. Global GaAs-based VCSEL in AI Revenue Market Share by Country/Region (2021-2026)

Table 33. Americas GaAs-based VCSEL in AI Sales by Country (2021-2026) & (K Units)

Table 34. Americas GaAs-based VCSEL in AI Sales Market Share by Country (2021-2026)

Table 35. Americas GaAs-based VCSEL in AI Revenue by Country (2021-2026) & (\$ millions)

Table 36. Americas GaAs-based VCSEL in AI Sales by Type (2021-2026) & (K Units)

Table 37. Americas GaAs-based VCSEL in AI Sales by Application (2021-2026) & (K Units)

Table 38. APAC GaAs-based VCSEL in AI Sales by Region (2021-2026) & (K Units)

Table 39. APAC GaAs-based VCSEL in AI Sales Market Share by Region (2021-2026)

Table 40. APAC GaAs-based VCSEL in AI Revenue by Region (2021-2026) & (\$ millions)

Table 41. APAC GaAs-based VCSEL in AI Sales by Type (2021-2026) & (K Units)

Table 42. APAC GaAs-based VCSEL in AI Sales by Application (2021-2026) & (K Units)

Table 43. Europe GaAs-based VCSEL in AI Sales by Country (2021-2026) & (K Units)

Table 44. Europe GaAs-based VCSEL in AI Revenue by Country (2021-2026) & (\$ millions)

Table 45. Europe GaAs-based VCSEL in AI Sales by Type (2021-2026) & (K Units)

Table 46. Europe GaAs-based VCSEL in AI Sales by Application (2021-2026) & (K Units)

Table 47. Middle East & Africa GaAs-based VCSEL in AI Sales by Country (2021-2026)

& (K Units)

Table 48. Middle East & Africa GaAs-based VCSEL in AI Revenue Market Share by Country (2021-2026)

Table 49. Middle East & Africa GaAs-based VCSEL in AI Sales by Type (2021-2026) & (K Units)

Table 50. Middle East & Africa GaAs-based VCSEL in AI Sales by Application (2021-2026) & (K Units)

Table 51. Key Market Drivers & Growth Opportunities of GaAs-based VCSEL in AI

Table 52. Key Market Challenges & Risks of GaAs-based VCSEL in AI

Table 53. Key Industry Trends of GaAs-based VCSEL in AI

Table 54. GaAs-based VCSEL in AI Raw Material

Table 55. Key Suppliers of Raw Materials

Table 56. GaAs-based VCSEL in AI Distributors List

Table 57. GaAs-based VCSEL in AI Customer List

Table 58. Global GaAs-based VCSEL in AI Sales Forecast by Region (2027-2032) & (K Units)

Table 59. Global GaAs-based VCSEL in AI Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 60. Americas GaAs-based VCSEL in AI Sales Forecast by Country (2027-2032) & (K Units)

Table 61. Americas GaAs-based VCSEL in AI Annual Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 62. APAC GaAs-based VCSEL in AI Sales Forecast by Region (2027-2032) & (K Units)

Table 63. APAC GaAs-based VCSEL in AI Annual Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 64. Europe GaAs-based VCSEL in AI Sales Forecast by Country (2027-2032) & (K Units)

Table 65. Europe GaAs-based VCSEL in AI Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 66. Middle East & Africa GaAs-based VCSEL in AI Sales Forecast by Country (2027-2032) & (K Units)

Table 67. Middle East & Africa GaAs-based VCSEL in AI Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 68. Global GaAs-based VCSEL in AI Sales Forecast by Type (2027-2032) & (K Units)

Table 69. Global GaAs-based VCSEL in AI Revenue Forecast by Type (2027-2032) & (\$ millions)

Table 70. Global GaAs-based VCSEL in AI Sales Forecast by Application (2027-2032)

& (K Units)

Table 71. Global GaAs-based VCSEL in AI Revenue Forecast by Application
(2027-2032) & (\$ millions)

Table 72. Lumentum Basic Information, GaAs-based VCSEL in AI Manufacturing Base,
Sales Area and Its Competitors

Table 73. Lumentum GaAs-based VCSEL in AI Product Portfolios and Specifications

Table 74. Lumentum GaAs-based VCSEL in AI Sales (K Units), Revenue (\$ Million),
Price (US\$/Unit) and Gross Margin (2021-2026)

Table 75. Lumentum Main Business

Table 76. Lumentum Latest Developments

Table 77. Coherent(II-VI) Basic Information, GaAs-based VCSEL in AI Manufacturing
Base, Sales Area and Its Competitors

Table 78. Coherent(II-VI) GaAs-based VCSEL in AI Product Portfolios and
Specifications

Table 79. Coherent(II-VI) GaAs-based VCSEL in AI Sales (K Units), Revenue (\$
Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 80. Coherent(II-VI) Main Business

Table 81. Coherent(II-VI) Latest Developments

Table 82. ams-OSRAM Basic Information, GaAs-based VCSEL in AI Manufacturing
Base, Sales Area and Its Competitors

Table 83. ams-OSRAM GaAs-based VCSEL in AI Product Portfolios and Specifications

Table 84. ams-OSRAM GaAs-based VCSEL in AI Sales (K Units), Revenue (\$ Million),
Price (US\$/Unit) and Gross Margin (2021-2026)

Table 85. ams-OSRAM Main Business

Table 86. ams-OSRAM Latest Developments

Table 87. TRUMPF Basic Information, GaAs-based VCSEL in AI Manufacturing Base,
Sales Area and Its Competitors

Table 88. TRUMPF GaAs-based VCSEL in AI Product Portfolios and Specifications

Table 89. TRUMPF GaAs-based VCSEL in AI Sales (K Units), Revenue (\$ Million),
Price (US\$/Unit) and Gross Margin (2021-2026)

Table 90. TRUMPF Main Business

Table 91. TRUMPF Latest Developments

Table 92. Broadcom Basic Information, GaAs-based VCSEL in AI Manufacturing Base,
Sales Area and Its Competitors

Table 93. Broadcom GaAs-based VCSEL in AI Product Portfolios and Specifications

Table 94. Broadcom GaAs-based VCSEL in AI Sales (K Units), Revenue (\$ Million),
Price (US\$/Unit) and Gross Margin (2021-2026)

Table 95. Broadcom Main Business

Table 96. Broadcom Latest Developments

Table 97. Mitsubishi Electric Basic Information, GaAs-based VCSEL in AI Manufacturing Base, Sales Area and Its Competitors

Table 98. Mitsubishi Electric GaAs-based VCSEL in AI Product Portfolios and Specifications

Table 99. Mitsubishi Electric GaAs-based VCSEL in AI Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 100. Mitsubishi Electric Main Business

Table 101. Mitsubishi Electric Latest Developments

Table 102. Accelink Technologies Basic Information, GaAs-based VCSEL in AI Manufacturing Base, Sales Area and Its Competitors

Table 103. Accelink Technologies GaAs-based VCSEL in AI Product Portfolios and Specifications

Table 104. Accelink Technologies GaAs-based VCSEL in AI Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 105. Accelink Technologies Main Business

Table 106. Accelink Technologies Latest Developments

Table 107. Vertilite Basic Information, GaAs-based VCSEL in AI Manufacturing Base, Sales Area and Its Competitors

Table 108. Vertilite GaAs-based VCSEL in AI Product Portfolios and Specifications

Table 109. Vertilite GaAs-based VCSEL in AI Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 110. Vertilite Main Business

Table 111. Vertilite Latest Developments

Table 112. CS Microelectronics Basic Information, GaAs-based VCSEL in AI Manufacturing Base, Sales Area and Its Competitors

Table 113. CS Microelectronics GaAs-based VCSEL in AI Product Portfolios and Specifications

Table 114. CS Microelectronics GaAs-based VCSEL in AI Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 115. CS Microelectronics Main Business

Table 116. CS Microelectronics Latest Developments

Table 117. Suzhou Everbright Photonics Basic Information, GaAs-based VCSEL in AI Manufacturing Base, Sales Area and Its Competitors

Table 118. Suzhou Everbright Photonics GaAs-based VCSEL in AI Product Portfolios and Specifications

Table 119. Suzhou Everbright Photonics GaAs-based VCSEL in AI Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 120. Suzhou Everbright Photonics Main Business

Table 121. Suzhou Everbright Photonics Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of GaAs-based VCSEL in AI
- Figure 2. GaAs-based VCSEL in AI Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global GaAs-based VCSEL in AI Sales Growth Rate 2021-2032 (K Units)
- Figure 7. Global GaAs-based VCSEL in AI Revenue Growth Rate 2021-2032 (\$ millions)
- Figure 8. GaAs-based VCSEL in AI Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Figure 9. GaAs-based VCSEL in AI Sales Market Share by Country/Region (2025)
- Figure 10. GaAs-based VCSEL in AI Sales Market Share by Country/Region (2021, 2025 & 2032)
- Figure 11. Product Picture of Single-Mode VCSEL
- Figure 12. Product Picture of Multi-Mode VCSEL
- Figure 13. Global GaAs-based VCSEL in AI Sales Market Share by Type in 2026
- Figure 14. Global GaAs-based VCSEL in AI Revenue Market Share by Type (2021-2026)
- Figure 15. GaAs-based VCSEL in AI Consumed in Smart Home
- Figure 16. Global GaAs-based VCSEL in AI Market: Smart Home (2021-2026) & (K Units)
- Figure 17. GaAs-based VCSEL in AI Consumed in Automotive
- Figure 18. Global GaAs-based VCSEL in AI Market: Automotive (2021-2026) & (K Units)
- Figure 19. GaAs-based VCSEL in AI Consumed in AR/VR
- Figure 20. Global GaAs-based VCSEL in AI Market: AR/VR (2021-2026) & (K Units)
- Figure 21. GaAs-based VCSEL in AI Consumed in Other
- Figure 22. Global GaAs-based VCSEL in AI Market: Other (2021-2026) & (K Units)
- Figure 23. Global GaAs-based VCSEL in AI Sale Market Share by Application (2025)
- Figure 24. Global GaAs-based VCSEL in AI Revenue Market Share by Application in 2026
- Figure 25. GaAs-based VCSEL in AI Sales by Company in 2026 (K Units)
- Figure 26. Global GaAs-based VCSEL in AI Sales Market Share by Company in 2026
- Figure 27. GaAs-based VCSEL in AI Revenue by Company in 2026 (\$ millions)
- Figure 28. Global GaAs-based VCSEL in AI Revenue Market Share by Company in

2026

Figure 29. Global GaAs-based VCSEL in AI Sales Market Share by Geographic Region (2021-2026)

Figure 30. Global GaAs-based VCSEL in AI Revenue Market Share by Geographic Region in 2026

Figure 31. Americas GaAs-based VCSEL in AI Sales 2021-2026 (K Units)

Figure 32. Americas GaAs-based VCSEL in AI Revenue 2021-2026 (\$ millions)

Figure 33. APAC GaAs-based VCSEL in AI Sales 2021-2026 (K Units)

Figure 34. APAC GaAs-based VCSEL in AI Revenue 2021-2026 (\$ millions)

Figure 35. Europe GaAs-based VCSEL in AI Sales 2021-2026 (K Units)

Figure 36. Europe GaAs-based VCSEL in AI Revenue 2021-2026 (\$ millions)

Figure 37. Middle East & Africa GaAs-based VCSEL in AI Sales 2021-2026 (K Units)

Figure 38. Middle East & Africa GaAs-based VCSEL in AI Revenue 2021-2026 (\$ millions)

Figure 39. Americas GaAs-based VCSEL in AI Sales Market Share by Country in 2026

Figure 40. Americas GaAs-based VCSEL in AI Revenue Market Share by Country (2021-2026)

Figure 41. Americas GaAs-based VCSEL in AI Sales Market Share by Type (2021-2026)

Figure 42. Americas GaAs-based VCSEL in AI Sales Market Share by Application (2021-2026)

Figure 43. United States GaAs-based VCSEL in AI Revenue Growth 2021-2026 (\$ millions)

Figure 44. Canada GaAs-based VCSEL in AI Revenue Growth 2021-2026 (\$ millions)

Figure 45. Mexico GaAs-based VCSEL in AI Revenue Growth 2021-2026 (\$ millions)

Figure 46. Brazil GaAs-based VCSEL in AI Revenue Growth 2021-2026 (\$ millions)

Figure 47. APAC GaAs-based VCSEL in AI Sales Market Share by Region in 2026

Figure 48. APAC GaAs-based VCSEL in AI Revenue Market Share by Region (2021-2026)

Figure 49. APAC GaAs-based VCSEL in AI Sales Market Share by Type (2021-2026)

Figure 50. APAC GaAs-based VCSEL in AI Sales Market Share by Application (2021-2026)

Figure 51. China GaAs-based VCSEL in AI Revenue Growth 2021-2026 (\$ millions)

Figure 52. Japan GaAs-based VCSEL in AI Revenue Growth 2021-2026 (\$ millions)

Figure 53. South Korea GaAs-based VCSEL in AI Revenue Growth 2021-2026 (\$ millions)

Figure 54. Southeast Asia GaAs-based VCSEL in AI Revenue Growth 2021-2026 (\$ millions)

Figure 55. India GaAs-based VCSEL in AI Revenue Growth 2021-2026 (\$ millions)

Figure 56. Australia GaAs-based VCSEL in AI Revenue Growth 2021-2026 (\$ millions)

Figure 57. China Taiwan GaAs-based VCSEL in AI Revenue Growth 2021-2026 (\$ millions)

Figure 58. Europe GaAs-based VCSEL in AI Sales Market Share by Country in 2026

Figure 59. Europe GaAs-based VCSEL in AI Revenue Market Share by Country (2021-2026)

Figure 60. Europe GaAs-based VCSEL in AI Sales Market Share by Type (2021-2026)

Figure 61. Europe GaAs-based VCSEL in AI Sales Market Share by Application (2021-2026)

Figure 62. Germany GaAs-based VCSEL in AI Revenue Growth 2021-2026 (\$ millions)

Figure 63. France GaAs-based VCSEL in AI Revenue Growth 2021-2026 (\$ millions)

Figure 64. UK GaAs-based VCSEL in AI Revenue Growth 2021-2026 (\$ millions)

Figure 65. Italy GaAs-based VCSEL in AI Revenue Growth 2021-2026 (\$ millions)

Figure 66. Russia GaAs-based VCSEL in AI Revenue Growth 2021-2026 (\$ millions)

Figure 67. Middle East & Africa GaAs-based VCSEL in AI Sales Market Share by Country (2021-2026)

Figure 68. Middle East & Africa GaAs-based VCSEL in AI Sales Market Share by Type (2021-2026)

Figure 69. Middle East & Africa GaAs-based VCSEL in AI Sales Market Share by Application (2021-2026)

Figure 70. Egypt GaAs-based VCSEL in AI Revenue Growth 2021-2026 (\$ millions)

Figure 71. South Africa GaAs-based VCSEL in AI Revenue Growth 2021-2026 (\$ millions)

Figure 72. Israel GaAs-based VCSEL in AI Revenue Growth 2021-2026 (\$ millions)

Figure 73. Turkey GaAs-based VCSEL in AI Revenue Growth 2021-2026 (\$ millions)

Figure 74. GCC Countries GaAs-based VCSEL in AI Revenue Growth 2021-2026 (\$ millions)

Figure 75. Manufacturing Cost Structure Analysis of GaAs-based VCSEL in AI in 2026

Figure 76. Manufacturing Process Analysis of GaAs-based VCSEL in AI

Figure 77. Industry Chain Structure of GaAs-based VCSEL in AI

Figure 78. Channels of Distribution

Figure 79. Global GaAs-based VCSEL in AI Sales Market Forecast by Region (2027-2032)

Figure 80. Global GaAs-based VCSEL in AI Revenue Market Share Forecast by Region (2027-2032)

Figure 81. Global GaAs-based VCSEL in AI Sales Market Share Forecast by Type (2027-2032)

Figure 82. Global GaAs-based VCSEL in AI Revenue Market Share Forecast by Type (2027-2032)

Figure 83. Global GaAs-based VCSEL in AI Sales Market Share Forecast by Application (2027-2032)

Figure 84. Global GaAs-based VCSEL in AI Revenue Market Share Forecast by Application (2027-2032)

I would like to order

Product name: Global GaAs-based VCSEL in AI Market Growth 2026-2032

Product link: <https://marketpublishers.com/r/GB6B24367FBEEN.html>

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

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GB6B24367FBEEN.html>