

Global Silicon Photonic FMCW Lidar Supply, Demand and Key Producers, 2023-2029

<https://marketpublishers.com/r/GE3399EDA9A0EN.html>

Date: November 2023

Pages: 173

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

ID: GE3399EDA9A0EN

Abstracts

The global Silicon Photonic FMCW Lidar market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

The silicon photonic FMCW lidar is a lidar based on silicon photonics technology and FMCW technology. It has the advantages of high integration, high precision and high point cloud density, and is suitable for various applications that require high-performance environmental sensing and ranging.

The silicon photonic FMCW lidar is a frequency modulated continuous wave lidar based on silicon photonics technology. It uses silicon photonic chips as light emitting and receiving components, combines frequency modulated continuous wave (FMCW) technology, and integrates lasers, modulators and other optoelectronic devices on the chip to achieve compact and efficient laser emission.

This report studies the global Silicon Photonic FMCW Lidar production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Silicon Photonic FMCW Lidar, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Silicon Photonic FMCW Lidar that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Silicon Photonic FMCW Lidar total production and demand, 2018-2029, (Units)

Global Silicon Photonic FMCW Lidar total production value, 2018-2029, (USD Million)

Global Silicon Photonic FMCW Lidar production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Units)

Global Silicon Photonic FMCW Lidar consumption by region & country, CAGR, 2018-2029 & (Units)

U.S. VS China: Silicon Photonic FMCW Lidar domestic production, consumption, key domestic manufacturers and share

Global Silicon Photonic FMCW Lidar production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Units)

Global Silicon Photonic FMCW Lidar production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Units)

Global Silicon Photonic FMCW Lidar production by Application production, value, CAGR, 2018-2029, (USD Million) & (Units).

This reports profiles key players in the global Silicon Photonic FMCW Lidar market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Aeva, LightIC, Insight LiDAR, Voyant Photonics, Bridger Photonics, StereoVision Imaging (SVI), SiLC, Pointcloud and Aurora, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Silicon Photonic FMCW Lidar market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by

year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Silicon Photonic FMCW Lidar Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Silicon Photonic FMCW Lidar Market, Segmentation by Type

Vehicle Mounted

Aircraft Mounted

Global Silicon Photonic FMCW Lidar Market, Segmentation by Application

Industrial

Automotive

Aerospace

Others

Companies Profiled:

Aeva

LightIC

Insight LiDAR

Voyant Photonics

Bridger Photonics

StereoVision Imaging (SVI)

SiLC

Pointcloud

Aurora

Analog Photonics

INFOWORKS

Scantinel Photonics

Mobileye

Baraja

Beijing Guangshao Technology (AODTBJ)

Huawei

LuminWave

Photonx

Hangzhou Ailaida Technology

Zhejiang Guangpo Intelligent Technology

Hesai Technology

Key Questions Answered

1. How big is the global Silicon Photonic FMCW Lidar market?
2. What is the demand of the global Silicon Photonic FMCW Lidar market?
3. What is the year over year growth of the global Silicon Photonic FMCW Lidar market?
4. What is the production and production value of the global Silicon Photonic FMCW Lidar market?
5. Who are the key producers in the global Silicon Photonic FMCW Lidar market?

Contents

1 SUPPLY SUMMARY

- 1.1 Silicon Photonic FMCW Lidar Introduction
- 1.2 World Silicon Photonic FMCW Lidar Supply & Forecast
 - 1.2.1 World Silicon Photonic FMCW Lidar Production Value (2018 & 2022 & 2029)
 - 1.2.2 World Silicon Photonic FMCW Lidar Production (2018-2029)
 - 1.2.3 World Silicon Photonic FMCW Lidar Pricing Trends (2018-2029)
- 1.3 World Silicon Photonic FMCW Lidar Production by Region (Based on Production Site)
 - 1.3.1 World Silicon Photonic FMCW Lidar Production Value by Region (2018-2029)
 - 1.3.2 World Silicon Photonic FMCW Lidar Production by Region (2018-2029)
 - 1.3.3 World Silicon Photonic FMCW Lidar Average Price by Region (2018-2029)
 - 1.3.4 North America Silicon Photonic FMCW Lidar Production (2018-2029)
 - 1.3.5 Europe Silicon Photonic FMCW Lidar Production (2018-2029)
 - 1.3.6 China Silicon Photonic FMCW Lidar Production (2018-2029)
 - 1.3.7 Japan Silicon Photonic FMCW Lidar Production (2018-2029)
 - 1.3.8 South Korea Silicon Photonic FMCW Lidar Production (2018-2029)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Silicon Photonic FMCW Lidar Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Silicon Photonic FMCW Lidar Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Silicon Photonic FMCW Lidar Demand (2018-2029)
- 2.2 World Silicon Photonic FMCW Lidar Consumption by Region
 - 2.2.1 World Silicon Photonic FMCW Lidar Consumption by Region (2018-2023)
 - 2.2.2 World Silicon Photonic FMCW Lidar Consumption Forecast by Region (2024-2029)
- 2.3 United States Silicon Photonic FMCW Lidar Consumption (2018-2029)
- 2.4 China Silicon Photonic FMCW Lidar Consumption (2018-2029)
- 2.5 Europe Silicon Photonic FMCW Lidar Consumption (2018-2029)
- 2.6 Japan Silicon Photonic FMCW Lidar Consumption (2018-2029)
- 2.7 South Korea Silicon Photonic FMCW Lidar Consumption (2018-2029)
- 2.8 ASEAN Silicon Photonic FMCW Lidar Consumption (2018-2029)
- 2.9 India Silicon Photonic FMCW Lidar Consumption (2018-2029)

3 WORLD SILICON PHOTONIC FMCW LIDAR MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Silicon Photonic FMCW Lidar Production Value by Manufacturer (2018-2023)
- 3.2 World Silicon Photonic FMCW Lidar Production by Manufacturer (2018-2023)
- 3.3 World Silicon Photonic FMCW Lidar Average Price by Manufacturer (2018-2023)
- 3.4 Silicon Photonic FMCW Lidar Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global Silicon Photonic FMCW Lidar Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for Silicon Photonic FMCW Lidar in 2022
 - 3.5.3 Global Concentration Ratios (CR8) for Silicon Photonic FMCW Lidar in 2022
- 3.6 Silicon Photonic FMCW Lidar Market: Overall Company Footprint Analysis
 - 3.6.1 Silicon Photonic FMCW Lidar Market: Region Footprint
 - 3.6.2 Silicon Photonic FMCW Lidar Market: Company Product Type Footprint
 - 3.6.3 Silicon Photonic FMCW Lidar Market: Company Product Application Footprint
- 3.7 Competitive Environment
 - 3.7.1 Historical Structure of the Industry
 - 3.7.2 Barriers of Market Entry
 - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: Silicon Photonic FMCW Lidar Production Value Comparison
 - 4.1.1 United States VS China: Silicon Photonic FMCW Lidar Production Value Comparison (2018 & 2022 & 2029)
 - 4.1.2 United States VS China: Silicon Photonic FMCW Lidar Production Value Market Share Comparison (2018 & 2022 & 2029)
- 4.2 United States VS China: Silicon Photonic FMCW Lidar Production Comparison
 - 4.2.1 United States VS China: Silicon Photonic FMCW Lidar Production Comparison (2018 & 2022 & 2029)
 - 4.2.2 United States VS China: Silicon Photonic FMCW Lidar Production Market Share Comparison (2018 & 2022 & 2029)
- 4.3 United States VS China: Silicon Photonic FMCW Lidar Consumption Comparison
 - 4.3.1 United States VS China: Silicon Photonic FMCW Lidar Consumption Comparison (2018 & 2022 & 2029)
 - 4.3.2 United States VS China: Silicon Photonic FMCW Lidar Consumption Market

Share Comparison (2018 & 2022 & 2029)

4.4 United States Based Silicon Photonic FMCW Lidar Manufacturers and Market Share, 2018-2023

4.4.1 United States Based Silicon Photonic FMCW Lidar Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Silicon Photonic FMCW Lidar Production Value (2018-2023)

4.4.3 United States Based Manufacturers Silicon Photonic FMCW Lidar Production (2018-2023)

4.5 China Based Silicon Photonic FMCW Lidar Manufacturers and Market Share

4.5.1 China Based Silicon Photonic FMCW Lidar Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Silicon Photonic FMCW Lidar Production Value (2018-2023)

4.5.3 China Based Manufacturers Silicon Photonic FMCW Lidar Production (2018-2023)

4.6 Rest of World Based Silicon Photonic FMCW Lidar Manufacturers and Market Share, 2018-2023

4.6.1 Rest of World Based Silicon Photonic FMCW Lidar Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Silicon Photonic FMCW Lidar Production Value (2018-2023)

4.6.3 Rest of World Based Manufacturers Silicon Photonic FMCW Lidar Production (2018-2023)

5 MARKET ANALYSIS BY TYPE

5.1 World Silicon Photonic FMCW Lidar Market Size Overview by Type: 2018 VS 2022 VS 2029

5.2 Segment Introduction by Type

5.2.1 Vehicle Mounted

5.2.2 Aircraft Mounted

5.3 Market Segment by Type

5.3.1 World Silicon Photonic FMCW Lidar Production by Type (2018-2029)

5.3.2 World Silicon Photonic FMCW Lidar Production Value by Type (2018-2029)

5.3.3 World Silicon Photonic FMCW Lidar Average Price by Type (2018-2029)

6 MARKET ANALYSIS BY APPLICATION

6.1 World Silicon Photonic FMCW Lidar Market Size Overview by Application: 2018 VS 2022 VS 2029

6.2 Segment Introduction by Application

6.2.1 Industrial

6.2.2 Automotive

6.2.3 Aerospace

6.2.4 Others

6.3 Market Segment by Application

6.3.1 World Silicon Photonic FMCW Lidar Production by Application (2018-2029)

6.3.2 World Silicon Photonic FMCW Lidar Production Value by Application (2018-2029)

6.3.3 World Silicon Photonic FMCW Lidar Average Price by Application (2018-2029)

7 COMPANY PROFILES

7.1 Aeva

7.1.1 Aeva Details

7.1.2 Aeva Major Business

7.1.3 Aeva Silicon Photonic FMCW Lidar Product and Services

7.1.4 Aeva Silicon Photonic FMCW Lidar Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.1.5 Aeva Recent Developments/Updates

7.1.6 Aeva Competitive Strengths & Weaknesses

7.2 LightIC

7.2.1 LightIC Details

7.2.2 LightIC Major Business

7.2.3 LightIC Silicon Photonic FMCW Lidar Product and Services

7.2.4 LightIC Silicon Photonic FMCW Lidar Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.2.5 LightIC Recent Developments/Updates

7.2.6 LightIC Competitive Strengths & Weaknesses

7.3 Insight LiDAR

7.3.1 Insight LiDAR Details

7.3.2 Insight LiDAR Major Business

7.3.3 Insight LiDAR Silicon Photonic FMCW Lidar Product and Services

7.3.4 Insight LiDAR Silicon Photonic FMCW Lidar Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.3.5 Insight LiDAR Recent Developments/Updates

7.3.6 Insight LiDAR Competitive Strengths & Weaknesses

7.4 Voyant Photonics

7.4.1 Voyant Photonics Details

7.4.2 Voyant Photonics Major Business

7.4.3 Voyant Photonics Silicon Photonic FMCW Lidar Product and Services

7.4.4 Voyant Photonics Silicon Photonic FMCW Lidar Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.4.5 Voyant Photonics Recent Developments/Updates

7.4.6 Voyant Photonics Competitive Strengths & Weaknesses

7.5 Bridger Photonics

7.5.1 Bridger Photonics Details

7.5.2 Bridger Photonics Major Business

7.5.3 Bridger Photonics Silicon Photonic FMCW Lidar Product and Services

7.5.4 Bridger Photonics Silicon Photonic FMCW Lidar Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.5.5 Bridger Photonics Recent Developments/Updates

7.5.6 Bridger Photonics Competitive Strengths & Weaknesses

7.6 StereoVision Imaging (SVI)

7.6.1 StereoVision Imaging (SVI) Details

7.6.2 StereoVision Imaging (SVI) Major Business

7.6.3 StereoVision Imaging (SVI) Silicon Photonic FMCW Lidar Product and Services

7.6.4 StereoVision Imaging (SVI) Silicon Photonic FMCW Lidar Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.6.5 StereoVision Imaging (SVI) Recent Developments/Updates

7.6.6 StereoVision Imaging (SVI) Competitive Strengths & Weaknesses

7.7 SiLC

7.7.1 SiLC Details

7.7.2 SiLC Major Business

7.7.3 SiLC Silicon Photonic FMCW Lidar Product and Services

7.7.4 SiLC Silicon Photonic FMCW Lidar Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.7.5 SiLC Recent Developments/Updates

7.7.6 SiLC Competitive Strengths & Weaknesses

7.8 Pointcloud

7.8.1 Pointcloud Details

7.8.2 Pointcloud Major Business

7.8.3 Pointcloud Silicon Photonic FMCW Lidar Product and Services

7.8.4 Pointcloud Silicon Photonic FMCW Lidar Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.8.5 Pointcloud Recent Developments/Updates

- 7.8.6 Pointcloud Competitive Strengths & Weaknesses
- 7.9 Aurora
 - 7.9.1 Aurora Details
 - 7.9.2 Aurora Major Business
 - 7.9.3 Aurora Silicon Photonic FMCW Lidar Product and Services
 - 7.9.4 Aurora Silicon Photonic FMCW Lidar Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.9.5 Aurora Recent Developments/Updates
 - 7.9.6 Aurora Competitive Strengths & Weaknesses
- 7.10 Analog Photonics
 - 7.10.1 Analog Photonics Details
 - 7.10.2 Analog Photonics Major Business
 - 7.10.3 Analog Photonics Silicon Photonic FMCW Lidar Product and Services
 - 7.10.4 Analog Photonics Silicon Photonic FMCW Lidar Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.10.5 Analog Photonics Recent Developments/Updates
 - 7.10.6 Analog Photonics Competitive Strengths & Weaknesses
- 7.11 INFOWORKS
 - 7.11.1 INFOWORKS Details
 - 7.11.2 INFOWORKS Major Business
 - 7.11.3 INFOWORKS Silicon Photonic FMCW Lidar Product and Services
 - 7.11.4 INFOWORKS Silicon Photonic FMCW Lidar Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.11.5 INFOWORKS Recent Developments/Updates
 - 7.11.6 INFOWORKS Competitive Strengths & Weaknesses
- 7.12 Scantinel Photonics
 - 7.12.1 Scantinel Photonics Details
 - 7.12.2 Scantinel Photonics Major Business
 - 7.12.3 Scantinel Photonics Silicon Photonic FMCW Lidar Product and Services
 - 7.12.4 Scantinel Photonics Silicon Photonic FMCW Lidar Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.12.5 Scantinel Photonics Recent Developments/Updates
 - 7.12.6 Scantinel Photonics Competitive Strengths & Weaknesses
- 7.13 Mobileye
 - 7.13.1 Mobileye Details
 - 7.13.2 Mobileye Major Business
 - 7.13.3 Mobileye Silicon Photonic FMCW Lidar Product and Services
 - 7.13.4 Mobileye Silicon Photonic FMCW Lidar Production, Price, Value, Gross Margin and Market Share (2018-2023)

- 7.13.5 Mobileye Recent Developments/Updates
- 7.13.6 Mobileye Competitive Strengths & Weaknesses
- 7.14 Baraja
 - 7.14.1 Baraja Details
 - 7.14.2 Baraja Major Business
 - 7.14.3 Baraja Silicon Photonic FMCW Lidar Product and Services
 - 7.14.4 Baraja Silicon Photonic FMCW Lidar Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.14.5 Baraja Recent Developments/Updates
 - 7.14.6 Baraja Competitive Strengths & Weaknesses
- 7.15 Beijing Guangshao Technology (AODTBJ)
 - 7.15.1 Beijing Guangshao Technology (AODTBJ) Details
 - 7.15.2 Beijing Guangshao Technology (AODTBJ) Major Business
 - 7.15.3 Beijing Guangshao Technology (AODTBJ) Silicon Photonic FMCW Lidar Product and Services
 - 7.15.4 Beijing Guangshao Technology (AODTBJ) Silicon Photonic FMCW Lidar Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.15.5 Beijing Guangshao Technology (AODTBJ) Recent Developments/Updates
 - 7.15.6 Beijing Guangshao Technology (AODTBJ) Competitive Strengths & Weaknesses
- 7.16 Huawei
 - 7.16.1 Huawei Details
 - 7.16.2 Huawei Major Business
 - 7.16.3 Huawei Silicon Photonic FMCW Lidar Product and Services
 - 7.16.4 Huawei Silicon Photonic FMCW Lidar Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.16.5 Huawei Recent Developments/Updates
 - 7.16.6 Huawei Competitive Strengths & Weaknesses
- 7.17 LuminWave
 - 7.17.1 LuminWave Details
 - 7.17.2 LuminWave Major Business
 - 7.17.3 LuminWave Silicon Photonic FMCW Lidar Product and Services
 - 7.17.4 LuminWave Silicon Photonic FMCW Lidar Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.17.5 LuminWave Recent Developments/Updates
 - 7.17.6 LuminWave Competitive Strengths & Weaknesses
- 7.18 Photonx
 - 7.18.1 Photonx Details
 - 7.18.2 Photonx Major Business

- 7.18.3 Photonx Silicon Photonic FMCW Lidar Product and Services
- 7.18.4 Photonx Silicon Photonic FMCW Lidar Production, Price, Value, Gross Margin and Market Share (2018-2023)
- 7.18.5 Photonx Recent Developments/Updates
- 7.18.6 Photonx Competitive Strengths & Weaknesses
- 7.19 Hangzhou Ailaida Technology
 - 7.19.1 Hangzhou Ailaida Technology Details
 - 7.19.2 Hangzhou Ailaida Technology Major Business
 - 7.19.3 Hangzhou Ailaida Technology Silicon Photonic FMCW Lidar Product and Services
 - 7.19.4 Hangzhou Ailaida Technology Silicon Photonic FMCW Lidar Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.19.5 Hangzhou Ailaida Technology Recent Developments/Updates
 - 7.19.6 Hangzhou Ailaida Technology Competitive Strengths & Weaknesses
- 7.20 Zhejiang Guangpo Intelligent Technology
 - 7.20.1 Zhejiang Guangpo Intelligent Technology Details
 - 7.20.2 Zhejiang Guangpo Intelligent Technology Major Business
 - 7.20.3 Zhejiang Guangpo Intelligent Technology Silicon Photonic FMCW Lidar Product and Services
 - 7.20.4 Zhejiang Guangpo Intelligent Technology Silicon Photonic FMCW Lidar Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.20.5 Zhejiang Guangpo Intelligent Technology Recent Developments/Updates
 - 7.20.6 Zhejiang Guangpo Intelligent Technology Competitive Strengths & Weaknesses
- 7.21 Hesai Technology
 - 7.21.1 Hesai Technology Details
 - 7.21.2 Hesai Technology Major Business
 - 7.21.3 Hesai Technology Silicon Photonic FMCW Lidar Product and Services
 - 7.21.4 Hesai Technology Silicon Photonic FMCW Lidar Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.21.5 Hesai Technology Recent Developments/Updates
 - 7.21.6 Hesai Technology Competitive Strengths & Weaknesses

8 INDUSTRY CHAIN ANALYSIS

- 8.1 Silicon Photonic FMCW Lidar Industry Chain
- 8.2 Silicon Photonic FMCW Lidar Upstream Analysis
 - 8.2.1 Silicon Photonic FMCW Lidar Core Raw Materials
 - 8.2.2 Main Manufacturers of Silicon Photonic FMCW Lidar Core Raw Materials
- 8.3 Midstream Analysis

8.4 Downstream Analysis

8.5 Silicon Photonic FMCW Lidar Production Mode

8.6 Silicon Photonic FMCW Lidar Procurement Model

8.7 Silicon Photonic FMCW Lidar Industry Sales Model and Sales Channels

8.7.1 Silicon Photonic FMCW Lidar Sales Model

8.7.2 Silicon Photonic FMCW Lidar Typical Customers

9 RESEARCH FINDINGS AND CONCLUSION

10 APPENDIX

10.1 Methodology

10.2 Research Process and Data Source

10.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Silicon Photonic FMCW Lidar Production Value by Region (2018, 2022 and 2029) & (USD Million)

Table 2. World Silicon Photonic FMCW Lidar Production Value by Region (2018-2023) & (USD Million)

Table 3. World Silicon Photonic FMCW Lidar Production Value by Region (2024-2029) & (USD Million)

Table 4. World Silicon Photonic FMCW Lidar Production Value Market Share by Region (2018-2023)

Table 5. World Silicon Photonic FMCW Lidar Production Value Market Share by Region (2024-2029)

Table 6. World Silicon Photonic FMCW Lidar Production by Region (2018-2023) & (Units)

Table 7. World Silicon Photonic FMCW Lidar Production by Region (2024-2029) & (Units)

Table 8. World Silicon Photonic FMCW Lidar Production Market Share by Region (2018-2023)

Table 9. World Silicon Photonic FMCW Lidar Production Market Share by Region (2024-2029)

Table 10. World Silicon Photonic FMCW Lidar Average Price by Region (2018-2023) & (US\$/Unit)

Table 11. World Silicon Photonic FMCW Lidar Average Price by Region (2024-2029) & (US\$/Unit)

Table 12. Silicon Photonic FMCW Lidar Major Market Trends

Table 13. World Silicon Photonic FMCW Lidar Consumption Growth Rate Forecast by Region (2018 & 2022 & 2029) & (Units)

Table 14. World Silicon Photonic FMCW Lidar Consumption by Region (2018-2023) & (Units)

Table 15. World Silicon Photonic FMCW Lidar Consumption Forecast by Region (2024-2029) & (Units)

Table 16. World Silicon Photonic FMCW Lidar Production Value by Manufacturer (2018-2023) & (USD Million)

Table 17. Production Value Market Share of Key Silicon Photonic FMCW Lidar Producers in 2022

Table 18. World Silicon Photonic FMCW Lidar Production by Manufacturer (2018-2023) & (Units)

Table 19. Production Market Share of Key Silicon Photonic FMCW Lidar Producers in 2022

Table 20. World Silicon Photonic FMCW Lidar Average Price by Manufacturer (2018-2023) & (US\$/Unit)

Table 21. Global Silicon Photonic FMCW Lidar Company Evaluation Quadrant

Table 22. World Silicon Photonic FMCW Lidar Industry Rank of Major Manufacturers, Based on Production Value in 2022

Table 23. Head Office and Silicon Photonic FMCW Lidar Production Site of Key Manufacturer

Table 24. Silicon Photonic FMCW Lidar Market: Company Product Type Footprint

Table 25. Silicon Photonic FMCW Lidar Market: Company Product Application Footprint

Table 26. Silicon Photonic FMCW Lidar Competitive Factors

Table 27. Silicon Photonic FMCW Lidar New Entrant and Capacity Expansion Plans

Table 28. Silicon Photonic FMCW Lidar Mergers & Acquisitions Activity

Table 29. United States VS China Silicon Photonic FMCW Lidar Production Value Comparison, (2018 & 2022 & 2029) & (USD Million)

Table 30. United States VS China Silicon Photonic FMCW Lidar Production Comparison, (2018 & 2022 & 2029) & (Units)

Table 31. United States VS China Silicon Photonic FMCW Lidar Consumption Comparison, (2018 & 2022 & 2029) & (Units)

Table 32. United States Based Silicon Photonic FMCW Lidar Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Silicon Photonic FMCW Lidar Production Value, (2018-2023) & (USD Million)

Table 34. United States Based Manufacturers Silicon Photonic FMCW Lidar Production Value Market Share (2018-2023)

Table 35. United States Based Manufacturers Silicon Photonic FMCW Lidar Production (2018-2023) & (Units)

Table 36. United States Based Manufacturers Silicon Photonic FMCW Lidar Production Market Share (2018-2023)

Table 37. China Based Silicon Photonic FMCW Lidar Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Silicon Photonic FMCW Lidar Production Value, (2018-2023) & (USD Million)

Table 39. China Based Manufacturers Silicon Photonic FMCW Lidar Production Value Market Share (2018-2023)

Table 40. China Based Manufacturers Silicon Photonic FMCW Lidar Production (2018-2023) & (Units)

Table 41. China Based Manufacturers Silicon Photonic FMCW Lidar Production Market

Share (2018-2023)

Table 42. Rest of World Based Silicon Photonic FMCW Lidar Manufacturers, Headquarters and Production Site (States, Country)

Table 43. Rest of World Based Manufacturers Silicon Photonic FMCW Lidar Production Value, (2018-2023) & (USD Million)

Table 44. Rest of World Based Manufacturers Silicon Photonic FMCW Lidar Production Value Market Share (2018-2023)

Table 45. Rest of World Based Manufacturers Silicon Photonic FMCW Lidar Production (2018-2023) & (Units)

Table 46. Rest of World Based Manufacturers Silicon Photonic FMCW Lidar Production Market Share (2018-2023)

Table 47. World Silicon Photonic FMCW Lidar Production Value by Type, (USD Million), 2018 & 2022 & 2029

Table 48. World Silicon Photonic FMCW Lidar Production by Type (2018-2023) & (Units)

Table 49. World Silicon Photonic FMCW Lidar Production by Type (2024-2029) & (Units)

Table 50. World Silicon Photonic FMCW Lidar Production Value by Type (2018-2023) & (USD Million)

Table 51. World Silicon Photonic FMCW Lidar Production Value by Type (2024-2029) & (USD Million)

Table 52. World Silicon Photonic FMCW Lidar Average Price by Type (2018-2023) & (US\$/Unit)

Table 53. World Silicon Photonic FMCW Lidar Average Price by Type (2024-2029) & (US\$/Unit)

Table 54. World Silicon Photonic FMCW Lidar Production Value by Application, (USD Million), 2018 & 2022 & 2029

Table 55. World Silicon Photonic FMCW Lidar Production by Application (2018-2023) & (Units)

Table 56. World Silicon Photonic FMCW Lidar Production by Application (2024-2029) & (Units)

Table 57. World Silicon Photonic FMCW Lidar Production Value by Application (2018-2023) & (USD Million)

Table 58. World Silicon Photonic FMCW Lidar Production Value by Application (2024-2029) & (USD Million)

Table 59. World Silicon Photonic FMCW Lidar Average Price by Application (2018-2023) & (US\$/Unit)

Table 60. World Silicon Photonic FMCW Lidar Average Price by Application (2024-2029) & (US\$/Unit)

- Table 61. Aeva Basic Information, Manufacturing Base and Competitors
- Table 62. Aeva Major Business
- Table 63. Aeva Silicon Photonic FMCW Lidar Product and Services
- Table 64. Aeva Silicon Photonic FMCW Lidar Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 65. Aeva Recent Developments/Updates
- Table 66. Aeva Competitive Strengths & Weaknesses
- Table 67. LightIC Basic Information, Manufacturing Base and Competitors
- Table 68. LightIC Major Business
- Table 69. LightIC Silicon Photonic FMCW Lidar Product and Services
- Table 70. LightIC Silicon Photonic FMCW Lidar Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 71. LightIC Recent Developments/Updates
- Table 72. LightIC Competitive Strengths & Weaknesses
- Table 73. Insight LiDAR Basic Information, Manufacturing Base and Competitors
- Table 74. Insight LiDAR Major Business
- Table 75. Insight LiDAR Silicon Photonic FMCW Lidar Product and Services
- Table 76. Insight LiDAR Silicon Photonic FMCW Lidar Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 77. Insight LiDAR Recent Developments/Updates
- Table 78. Insight LiDAR Competitive Strengths & Weaknesses
- Table 79. Voyant Photonics Basic Information, Manufacturing Base and Competitors
- Table 80. Voyant Photonics Major Business
- Table 81. Voyant Photonics Silicon Photonic FMCW Lidar Product and Services
- Table 82. Voyant Photonics Silicon Photonic FMCW Lidar Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 83. Voyant Photonics Recent Developments/Updates
- Table 84. Voyant Photonics Competitive Strengths & Weaknesses
- Table 85. Bridger Photonics Basic Information, Manufacturing Base and Competitors
- Table 86. Bridger Photonics Major Business
- Table 87. Bridger Photonics Silicon Photonic FMCW Lidar Product and Services
- Table 88. Bridger Photonics Silicon Photonic FMCW Lidar Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 89. Bridger Photonics Recent Developments/Updates
- Table 90. Bridger Photonics Competitive Strengths & Weaknesses
- Table 91. StereoVision Imaging (SVI) Basic Information, Manufacturing Base and

Competitors

Table 92. StereoVision Imaging (SVI) Major Business

Table 93. StereoVision Imaging (SVI) Silicon Photonic FMCW Lidar Product and Services

Table 94. StereoVision Imaging (SVI) Silicon Photonic FMCW Lidar Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 95. StereoVision Imaging (SVI) Recent Developments/Updates

Table 96. StereoVision Imaging (SVI) Competitive Strengths & Weaknesses

Table 97. SiLC Basic Information, Manufacturing Base and Competitors

Table 98. SiLC Major Business

Table 99. SiLC Silicon Photonic FMCW Lidar Product and Services

Table 100. SiLC Silicon Photonic FMCW Lidar Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 101. SiLC Recent Developments/Updates

Table 102. SiLC Competitive Strengths & Weaknesses

Table 103. Pointcloud Basic Information, Manufacturing Base and Competitors

Table 104. Pointcloud Major Business

Table 105. Pointcloud Silicon Photonic FMCW Lidar Product and Services

Table 106. Pointcloud Silicon Photonic FMCW Lidar Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 107. Pointcloud Recent Developments/Updates

Table 108. Pointcloud Competitive Strengths & Weaknesses

Table 109. Aurora Basic Information, Manufacturing Base and Competitors

Table 110. Aurora Major Business

Table 111. Aurora Silicon Photonic FMCW Lidar Product and Services

Table 112. Aurora Silicon Photonic FMCW Lidar Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 113. Aurora Recent Developments/Updates

Table 114. Aurora Competitive Strengths & Weaknesses

Table 115. Analog Photonics Basic Information, Manufacturing Base and Competitors

Table 116. Analog Photonics Major Business

Table 117. Analog Photonics Silicon Photonic FMCW Lidar Product and Services

Table 118. Analog Photonics Silicon Photonic FMCW Lidar Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 119. Analog Photonics Recent Developments/Updates

Table 120. Analog Photonics Competitive Strengths & Weaknesses

- Table 121. INFOWORKS Basic Information, Manufacturing Base and Competitors
- Table 122. INFOWORKS Major Business
- Table 123. INFOWORKS Silicon Photonic FMCW Lidar Product and Services
- Table 124. INFOWORKS Silicon Photonic FMCW Lidar Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 125. INFOWORKS Recent Developments/Updates
- Table 126. INFOWORKS Competitive Strengths & Weaknesses
- Table 127. Scantinel Photonics Basic Information, Manufacturing Base and Competitors
- Table 128. Scantinel Photonics Major Business
- Table 129. Scantinel Photonics Silicon Photonic FMCW Lidar Product and Services
- Table 130. Scantinel Photonics Silicon Photonic FMCW Lidar Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 131. Scantinel Photonics Recent Developments/Updates
- Table 132. Scantinel Photonics Competitive Strengths & Weaknesses
- Table 133. Mobileye Basic Information, Manufacturing Base and Competitors
- Table 134. Mobileye Major Business
- Table 135. Mobileye Silicon Photonic FMCW Lidar Product and Services
- Table 136. Mobileye Silicon Photonic FMCW Lidar Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 137. Mobileye Recent Developments/Updates
- Table 138. Mobileye Competitive Strengths & Weaknesses
- Table 139. Baraja Basic Information, Manufacturing Base and Competitors
- Table 140. Baraja Major Business
- Table 141. Baraja Silicon Photonic FMCW Lidar Product and Services
- Table 142. Baraja Silicon Photonic FMCW Lidar Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 143. Baraja Recent Developments/Updates
- Table 144. Baraja Competitive Strengths & Weaknesses
- Table 145. Beijing Guangshao Technology (AODTBJ) Basic Information, Manufacturing Base and Competitors
- Table 146. Beijing Guangshao Technology (AODTBJ) Major Business
- Table 147. Beijing Guangshao Technology (AODTBJ) Silicon Photonic FMCW Lidar Product and Services
- Table 148. Beijing Guangshao Technology (AODTBJ) Silicon Photonic FMCW Lidar Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 149. Beijing Guangshao Technology (AODTBJ) Recent Developments/Updates

Table 150. Beijing Guangshao Technology (AODTBJ) Competitive Strengths & Weaknesses

Table 151. Huawei Basic Information, Manufacturing Base and Competitors

Table 152. Huawei Major Business

Table 153. Huawei Silicon Photonic FMCW Lidar Product and Services

Table 154. Huawei Silicon Photonic FMCW Lidar Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 155. Huawei Recent Developments/Updates

Table 156. Huawei Competitive Strengths & Weaknesses

Table 157. LuminWave Basic Information, Manufacturing Base and Competitors

Table 158. LuminWave Major Business

Table 159. LuminWave Silicon Photonic FMCW Lidar Product and Services

Table 160. LuminWave Silicon Photonic FMCW Lidar Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 161. LuminWave Recent Developments/Updates

Table 162. LuminWave Competitive Strengths & Weaknesses

Table 163. Photonx Basic Information, Manufacturing Base and Competitors

Table 164. Photonx Major Business

Table 165. Photonx Silicon Photonic FMCW Lidar Product and Services

Table 166. Photonx Silicon Photonic FMCW Lidar Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 167. Photonx Recent Developments/Updates

Table 168. Photonx Competitive Strengths & Weaknesses

Table 169. Hangzhou Ailaida Technology Basic Information, Manufacturing Base and Competitors

Table 170. Hangzhou Ailaida Technology Major Business

Table 171. Hangzhou Ailaida Technology Silicon Photonic FMCW Lidar Product and Services

Table 172. Hangzhou Ailaida Technology Silicon Photonic FMCW Lidar Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 173. Hangzhou Ailaida Technology Recent Developments/Updates

Table 174. Hangzhou Ailaida Technology Competitive Strengths & Weaknesses

Table 175. Zhejiang Guangpo Intelligent Technology Basic Information, Manufacturing Base and Competitors

Table 176. Zhejiang Guangpo Intelligent Technology Major Business

Table 177. Zhejiang Guangpo Intelligent Technology Silicon Photonic FMCW Lidar Product and Services

Table 178. Zhejiang Guangpo Intelligent Technology Silicon Photonic FMCW Lidar Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 179. Zhejiang Guangpo Intelligent Technology Recent Developments/Updates

Table 180. Hesai Technology Basic Information, Manufacturing Base and Competitors

Table 181. Hesai Technology Major Business

Table 182. Hesai Technology Silicon Photonic FMCW Lidar Product and Services

Table 183. Hesai Technology Silicon Photonic FMCW Lidar Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 184. Global Key Players of Silicon Photonic FMCW Lidar Upstream (Raw Materials)

Table 185. Silicon Photonic FMCW Lidar Typical Customers

Table 186. Silicon Photonic FMCW Lidar Typical Distributors

LIST OF FIGURE

Figure 1. Silicon Photonic FMCW Lidar Picture

Figure 2. World Silicon Photonic FMCW Lidar Production Value: 2018 & 2022 & 2029, (USD Million)

Figure 3. World Silicon Photonic FMCW Lidar Production Value and Forecast (2018-2029) & (USD Million)

Figure 4. World Silicon Photonic FMCW Lidar Production (2018-2029) & (Units)

Figure 5. World Silicon Photonic FMCW Lidar Average Price (2018-2029) & (US\$/Unit)

Figure 6. World Silicon Photonic FMCW Lidar Production Value Market Share by Region (2018-2029)

Figure 7. World Silicon Photonic FMCW Lidar Production Market Share by Region (2018-2029)

Figure 8. North America Silicon Photonic FMCW Lidar Production (2018-2029) & (Units)

Figure 9. Europe Silicon Photonic FMCW Lidar Production (2018-2029) & (Units)

Figure 10. China Silicon Photonic FMCW Lidar Production (2018-2029) & (Units)

Figure 11. Japan Silicon Photonic FMCW Lidar Production (2018-2029) & (Units)

Figure 12. South Korea Silicon Photonic FMCW Lidar Production (2018-2029) & (Units)

Figure 13. Silicon Photonic FMCW Lidar Market Drivers

Figure 14. Factors Affecting Demand

Figure 15. World Silicon Photonic FMCW Lidar Consumption (2018-2029) & (Units)

Figure 16. World Silicon Photonic FMCW Lidar Consumption Market Share by Region (2018-2029)

Figure 17. United States Silicon Photonic FMCW Lidar Consumption (2018-2029) &

(Units)

Figure 18. China Silicon Photonic FMCW Lidar Consumption (2018-2029) & (Units)

Figure 19. Europe Silicon Photonic FMCW Lidar Consumption (2018-2029) & (Units)

Figure 20. Japan Silicon Photonic FMCW Lidar Consumption (2018-2029) & (Units)

Figure 21. South Korea Silicon Photonic FMCW Lidar Consumption (2018-2029) & (Units)

Figure 22. ASEAN Silicon Photonic FMCW Lidar Consumption (2018-2029) & (Units)

Figure 23. India Silicon Photonic FMCW Lidar Consumption (2018-2029) & (Units)

Figure 24. Producer Shipments of Silicon Photonic FMCW Lidar by Manufacturer Revenue (\$MM) and Market Share (%): 2022

Figure 25. Global Four-firm Concentration Ratios (CR4) for Silicon Photonic FMCW Lidar Markets in 2022

Figure 26. Global Four-firm Concentration Ratios (CR8) for Silicon Photonic FMCW Lidar Markets in 2022

Figure 27. United States VS China: Silicon Photonic FMCW Lidar Production Value Market Share Comparison (2018 & 2022 & 2029)

Figure 28. United States VS China: Silicon Photonic FMCW Lidar Production Market Share Comparison (2018 & 2022 & 2029)

Figure 29. United States VS China: Silicon Photonic FMCW Lidar Consumption Market Share Comparison (2018 & 2022 & 2029)

Figure 30. United States Based Manufacturers Silicon Photonic FMCW Lidar Production Market Share 2022

Figure 31. China Based Manufacturers Silicon Photonic FMCW Lidar Production Market Share 2022

Figure 32. Rest of World Based Manufacturers Silicon Photonic FMCW Lidar Production Market Share 2022

Figure 33. World Silicon Photonic FMCW Lidar Production Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 34. World Silicon Photonic FMCW Lidar Production Value Market Share by Type in 2022

Figure 35. Vehicle Mounted

Figure 36. Aircraft Mounted

Figure 37. World Silicon Photonic FMCW Lidar Production Market Share by Type (2018-2029)

Figure 38. World Silicon Photonic FMCW Lidar Production Value Market Share by Type (2018-2029)

Figure 39. World Silicon Photonic FMCW Lidar Average Price by Type (2018-2029) & (US\$/Unit)

Figure 40. World Silicon Photonic FMCW Lidar Production Value by Application, (USD

Million), 2018 & 2022 & 2029

Figure 41. World Silicon Photonic FMCW Lidar Production Value Market Share by Application in 2022

Figure 42. Industrial

Figure 43. Automotive

Figure 44. Aerospace

Figure 45. Others

Figure 46. World Silicon Photonic FMCW Lidar Production Market Share by Application (2018-2029)

Figure 47. World Silicon Photonic FMCW Lidar Production Value Market Share by Application (2018-2029)

Figure 48. World Silicon Photonic FMCW Lidar Average Price by Application (2018-2029) & (US\$/Unit)

Figure 49. Silicon Photonic FMCW Lidar Industry Chain

Figure 50. Silicon Photonic FMCW Lidar Procurement Model

Figure 51. Silicon Photonic FMCW Lidar Sales Model

Figure 52. Silicon Photonic FMCW Lidar Sales Channels, Direct Sales, and Distribution

Figure 53. Methodology

Figure 54. Research Process and Data Source

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