

Global FMCW LiDAR Market Growth 2023-2029

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Abstracts

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The global FMCW LiDAR market size is projected to grow from US\$ million in 2022 to US\$ million in 2029; it is expected to grow at a CAGR of % from 2023 to 2029.

United States market for FMCW LiDAR is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

China market for FMCW LiDAR is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Europe market for FMCW LiDAR is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Global key FMCW LiDAR players cover Aeva, LightIC, Insight LiDAR, Voyant Photonics, Bridger Photonics, StereoVision Imaging (SVI), SiLC, Pointcloud and Aurora, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2022.

FMCW (Frequency Modulated Continuous Wave) technology is a frequency continuous modulation method that uses coherent waveguides to detect the distance and speed of an object. By integrating each function using silicon photonics technology, device miniaturization is possible. Today, there is no FMCW LiDAR on the market. The first products could appear around 2024.

LPI (LP Information)' newest research report, the "FMCW LiDAR Industry Forecast" looks at past sales and reviews total world FMCW LiDAR sales in 2022, providing a comprehensive analysis by region and market sector of projected FMCW LiDAR sales

for 2023 through 2029. With FMCW LiDAR sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world FMCW LiDAR industry.

This Insight Report provides a comprehensive analysis of the global FMCW LiDAR 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 FMCW LiDAR portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global FMCW LiDAR market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for FMCW LiDAR and breaks down the forecast by scanning 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 FMCW LiDAR.

This report presents a comprehensive overview, market shares, and growth opportunities of FMCW LiDAR market by product scanning type, application, key manufacturers and key regions and countries.

Market Segmentation:

Segmentation by scanning type

Galvanometer

Polygon

Solid-state

Segmentation by application

Self-Driving Vehicles

Industrial and Defense

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 analyzing the company's coverage, product portfolio, its market penetration.

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 Addressed in this Report

What is the 10-year outlook for the global FMCW LiDAR market?

What factors are driving FMCW LiDAR market growth, globally and by region?

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

How do FMCW LiDAR market opportunities vary by end market size?

How does FMCW LiDAR break out scanning type, application?

What are the influences of COVID-19 and Russia-Ukraine war?

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