

# Global Metalens For Automotive Electronics Market Growth 2024-2030

<https://marketpublishers.com/r/G69989892D3CEN.html>

Date: July 2024

Pages: 79

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

ID: G69989892D3CEN

## Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

Metalens is a lens developed based on metasurface technology and using micro-nano technology and dielectric materials. Metalenses will completely subvert the cumbersome lens groups in traditional optical devices, realize the original lens functions of several millimeters or even centimeters with a thickness of microns, and integrate the functions of multiple optical elements into one, greatly reducing the size and weight of the imaging system, simplifying the structure and optimizing performance. Metalens have broad application prospects in automotive electronics. Its ultra-high resolution, thin and light design, and multi-functional integration can significantly improve the performance and user experience of vehicle cameras, lidar, head-up display systems, surround view systems, and internal monitoring systems. With the development of technology and the improvement of manufacturing processes, metalens are expected to become an important and indispensable component in automotive electronic systems in the future, improving the safety and reliability of autonomous driving and driver assistance systems.

The global Metalens For Automotive Electronics market size is projected to grow from US\$ million in 2024 to US\$ million in 2030; it is expected to grow at a CAGR of %from 2024 to 2030.

LP Information, Inc. (LPI) ' newest research report, the "Metalens For Automotive Electronics Industry Forecast" looks at past sales and reviews total world Metalens For Automotive Electronics sales in 2023, providing a comprehensive analysis by region and market sector of projected Metalens For Automotive Electronics sales for 2024 through 2030. With Metalens For Automotive Electronics sales broken down by region,

market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Metalens For Automotive Electronics industry.

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

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Metalens For Automotive Electronics 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 Metalens For Automotive Electronics.

United States market for Metalens For Automotive Electronics is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

China market for Metalens For Automotive Electronics is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Europe market for Metalens For Automotive Electronics is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Global key Metalens For Automotive Electronics players cover Metalenz, Inc., MetaLenX, Hangzhou Najing Technology, SHPHOTONICS, NIL Technology (NILT), etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2023.

This report presents a comprehensive overview, market shares, and growth opportunities of Metalens For Automotive Electronics market by product type, application, key manufacturers and key regions and countries.

### Segmentation by Type:

Near-infrared (NIR)

Short Wavelength Infrared (SWIR)

Narrowband Visible

### Segmentation by Application:

Car Camera

Laser Radar

Others

### 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.

Metalenz, Inc.

MetaLenX

Hangzhou Najing Technology

SHPHOTONICS

NIL Technology (NILT)

### Key Questions Addressed in this Report

What is the 10-year outlook for the global Metalens For Automotive Electronics market?

What factors are driving Metalens For Automotive Electronics market growth, globally and by region?

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

How do Metalens For Automotive Electronics market opportunities vary by end market size?

How does Metalens For Automotive Electronics break out by Type, by Application?

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Figure 82. Global Metalens For Automotive Electronics Sales Market Share Forecast by Application (2025-2030)

Figure 83. Global Metalens For Automotive Electronics Revenue Market Share Forecast by Application (2025-2030)

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