

# Global Automotive Grade ToF Image Sensor Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

<https://marketpublishers.com/r/GCFE08E22C0FEN.html>

Date: October 2023

Pages: 119

Price: US\$ 3,480.00 (Single User License)

ID: GCFE08E22C0FEN

## Abstracts

According to our (Global Info Research) latest study, the global Automotive Grade ToF Image Sensor market size was valued at USD 605 million in 2022 and is forecast to a readjusted size of USD 911.5 million by 2029 with a CAGR of 6.0% during review period.

Automotive Grade ToF Image Sensor is a depth sensor used in the automotive field. By measuring the time difference between emission and reflection of light, it can accurately measure the distance between an object and the sensor, thereby generating a 3D environment map around the vehicle.

Fusion and complementation with other sensors will be an important trend in the development of ToF image sensors in the future. Although the ToF image sensor can provide high-precision 3D environment perception, it also has certain limitations, such as limited detection angle and range, and sensitivity to environmental lighting conditions. Therefore, integrating and complementing ToF image sensors with other sensors (such as radar, cameras, etc.) can further improve the vehicle's perception capabilities and safety.

The Global Info Research report includes an overview of the development of the Automotive Grade ToF Image Sensor industry chain, the market status of Commercial Vehicle (Internal Sensor, External Sensor), Passenger Car (Internal Sensor, External Sensor), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Automotive Grade ToF Image Sensor.

Regionally, the report analyzes the Automotive Grade ToF Image Sensor markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Automotive Grade ToF Image Sensor market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Automotive Grade ToF Image Sensor market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Automotive Grade ToF Image Sensor industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Internal Sensor, External Sensor).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Automotive Grade ToF Image Sensor market.

**Regional Analysis:** The report involves examining the Automotive Grade ToF Image Sensor market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Automotive Grade ToF Image Sensor market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Automotive Grade ToF Image Sensor:

**Company Analysis:** Report covers individual Automotive Grade ToF Image Sensor manufacturers, suppliers, and other relevant industry players. This analysis includes

studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Automotive Grade ToF Image Sensor. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Commercial Vehicle, Passenger Car).

**Technology Analysis:** Report covers specific technologies relevant to Automotive Grade ToF Image Sensor. It assesses the current state, advancements, and potential future developments in Automotive Grade ToF Image Sensor areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Automotive Grade ToF Image Sensor market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Automotive Grade ToF Image Sensor market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

### Market segment by Type

Internal Sensor

External Sensor

### Market segment by Application

Commercial Vehicle

Passenger Car

## Major players covered

Melexis

Infineon Technologies

Texas Instruments

Samsung Semiconductor Global

Analog Devices

Panasonic

Omron Electronic Components

Teledyne

FRAMOS

KINGRAY

SONY

Sharp Corporation

## Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Automotive Grade ToF Image Sensor product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Automotive Grade ToF Image Sensor, with price, sales, revenue and global market share of Automotive Grade ToF Image Sensor from 2018 to 2023.

Chapter 3, the Automotive Grade ToF Image Sensor competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Automotive Grade ToF Image Sensor breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2022. and Automotive Grade ToF Image Sensor market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Automotive Grade ToF Image Sensor.

Chapter 14 and 15, to describe Automotive Grade ToF Image Sensor sales channel, distributors, customers, research findings and conclusion.

## Contents

### 1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of Automotive Grade ToF Image Sensor
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
  - 1.3.1 Overview: Global Automotive Grade ToF Image Sensor Consumption Value by Type: 2018 Versus 2022 Versus 2029
  - 1.3.2 Internal Sensor
  - 1.3.3 External Sensor
- 1.4 Market Analysis by Application
  - 1.4.1 Overview: Global Automotive Grade ToF Image Sensor Consumption Value by Application: 2018 Versus 2022 Versus 2029
  - 1.4.2 Commercial Vehicle
  - 1.4.3 Passenger Car
- 1.5 Global Automotive Grade ToF Image Sensor Market Size & Forecast
  - 1.5.1 Global Automotive Grade ToF Image Sensor Consumption Value (2018 & 2022 & 2029)
  - 1.5.2 Global Automotive Grade ToF Image Sensor Sales Quantity (2018-2029)
  - 1.5.3 Global Automotive Grade ToF Image Sensor Average Price (2018-2029)

### 2 MANUFACTURERS PROFILES

- 2.1 Melexis
  - 2.1.1 Melexis Details
  - 2.1.2 Melexis Major Business
  - 2.1.3 Melexis Automotive Grade ToF Image Sensor Product and Services
  - 2.1.4 Melexis Automotive Grade ToF Image Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.1.5 Melexis Recent Developments/Updates
- 2.2 Infineon Technologies
  - 2.2.1 Infineon Technologies Details
  - 2.2.2 Infineon Technologies Major Business
  - 2.2.3 Infineon Technologies Automotive Grade ToF Image Sensor Product and Services
  - 2.2.4 Infineon Technologies Automotive Grade ToF Image Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.2.5 Infineon Technologies Recent Developments/Updates

## 2.3 Texas Instruments

### 2.3.1 Texas Instruments Details

### 2.3.2 Texas Instruments Major Business

### 2.3.3 Texas Instruments Automotive Grade ToF Image Sensor Product and Services

### 2.3.4 Texas Instruments Automotive Grade ToF Image Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

### 2.3.5 Texas Instruments Recent Developments/Updates

## 2.4 Samsung Semiconductor Global

### 2.4.1 Samsung Semiconductor Global Details

### 2.4.2 Samsung Semiconductor Global Major Business

### 2.4.3 Samsung Semiconductor Global Automotive Grade ToF Image Sensor Product and Services

### 2.4.4 Samsung Semiconductor Global Automotive Grade ToF Image Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

### 2.4.5 Samsung Semiconductor Global Recent Developments/Updates

## 2.5 Analog Devices

### 2.5.1 Analog Devices Details

### 2.5.2 Analog Devices Major Business

### 2.5.3 Analog Devices Automotive Grade ToF Image Sensor Product and Services

### 2.5.4 Analog Devices Automotive Grade ToF Image Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

### 2.5.5 Analog Devices Recent Developments/Updates

## 2.6 Panasonic

### 2.6.1 Panasonic Details

### 2.6.2 Panasonic Major Business

### 2.6.3 Panasonic Automotive Grade ToF Image Sensor Product and Services

### 2.6.4 Panasonic Automotive Grade ToF Image Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

### 2.6.5 Panasonic Recent Developments/Updates

## 2.7 Omron Electronic Components

### 2.7.1 Omron Electronic Components Details

### 2.7.2 Omron Electronic Components Major Business

### 2.7.3 Omron Electronic Components Automotive Grade ToF Image Sensor Product and Services

### 2.7.4 Omron Electronic Components Automotive Grade ToF Image Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

### 2.7.5 Omron Electronic Components Recent Developments/Updates

## 2.8 Teledyne

### 2.8.1 Teledyne Details



- 2.8.2 Teledyne Major Business
- 2.8.3 Teledyne Automotive Grade ToF Image Sensor Product and Services
- 2.8.4 Teledyne Automotive Grade ToF Image Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
- 2.8.5 Teledyne Recent Developments/Updates
- 2.9 FRAMOS
  - 2.9.1 FRAMOS Details
  - 2.9.2 FRAMOS Major Business
  - 2.9.3 FRAMOS Automotive Grade ToF Image Sensor Product and Services
  - 2.9.4 FRAMOS Automotive Grade ToF Image Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.9.5 FRAMOS Recent Developments/Updates
- 2.10 KINGRAY
  - 2.10.1 KINGRAY Details
  - 2.10.2 KINGRAY Major Business
  - 2.10.3 KINGRAY Automotive Grade ToF Image Sensor Product and Services
  - 2.10.4 KINGRAY Automotive Grade ToF Image Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.10.5 KINGRAY Recent Developments/Updates
- 2.11 SONY
  - 2.11.1 SONY Details
  - 2.11.2 SONY Major Business
  - 2.11.3 SONY Automotive Grade ToF Image Sensor Product and Services
  - 2.11.4 SONY Automotive Grade ToF Image Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.11.5 SONY Recent Developments/Updates
- 2.12 Sharp Corporation
  - 2.12.1 Sharp Corporation Details
  - 2.12.2 Sharp Corporation Major Business
  - 2.12.3 Sharp Corporation Automotive Grade ToF Image Sensor Product and Services
  - 2.12.4 Sharp Corporation Automotive Grade ToF Image Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.12.5 Sharp Corporation Recent Developments/Updates

### **3 COMPETITIVE ENVIRONMENT: AUTOMOTIVE GRADE TOF IMAGE SENSOR BY MANUFACTURER**

- 3.1 Global Automotive Grade ToF Image Sensor Sales Quantity by Manufacturer (2018-2023)



- 3.2 Global Automotive Grade ToF Image Sensor Revenue by Manufacturer (2018-2023)
- 3.3 Global Automotive Grade ToF Image Sensor Average Price by Manufacturer (2018-2023)
- 3.4 Market Share Analysis (2022)
  - 3.4.1 Producer Shipments of Automotive Grade ToF Image Sensor by Manufacturer Revenue (\$MM) and Market Share (%): 2022
  - 3.4.2 Top 3 Automotive Grade ToF Image Sensor Manufacturer Market Share in 2022
  - 3.4.2 Top 6 Automotive Grade ToF Image Sensor Manufacturer Market Share in 2022
- 3.5 Automotive Grade ToF Image Sensor Market: Overall Company Footprint Analysis
  - 3.5.1 Automotive Grade ToF Image Sensor Market: Region Footprint
  - 3.5.2 Automotive Grade ToF Image Sensor Market: Company Product Type Footprint
  - 3.5.3 Automotive Grade ToF Image Sensor Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

## **4 CONSUMPTION ANALYSIS BY REGION**

- 4.1 Global Automotive Grade ToF Image Sensor Market Size by Region
  - 4.1.1 Global Automotive Grade ToF Image Sensor Sales Quantity by Region (2018-2029)
  - 4.1.2 Global Automotive Grade ToF Image Sensor Consumption Value by Region (2018-2029)
  - 4.1.3 Global Automotive Grade ToF Image Sensor Average Price by Region (2018-2029)
- 4.2 North America Automotive Grade ToF Image Sensor Consumption Value (2018-2029)
- 4.3 Europe Automotive Grade ToF Image Sensor Consumption Value (2018-2029)
- 4.4 Asia-Pacific Automotive Grade ToF Image Sensor Consumption Value (2018-2029)
- 4.5 South America Automotive Grade ToF Image Sensor Consumption Value (2018-2029)
- 4.6 Middle East and Africa Automotive Grade ToF Image Sensor Consumption Value (2018-2029)

## **5 MARKET SEGMENT BY TYPE**

- 5.1 Global Automotive Grade ToF Image Sensor Sales Quantity by Type (2018-2029)
- 5.2 Global Automotive Grade ToF Image Sensor Consumption Value by Type (2018-2029)

5.3 Global Automotive Grade ToF Image Sensor Average Price by Type (2018-2029)

## **6 MARKET SEGMENT BY APPLICATION**

6.1 Global Automotive Grade ToF Image Sensor Sales Quantity by Application (2018-2029)

6.2 Global Automotive Grade ToF Image Sensor Consumption Value by Application (2018-2029)

6.3 Global Automotive Grade ToF Image Sensor Average Price by Application (2018-2029)

## **7 NORTH AMERICA**

7.1 North America Automotive Grade ToF Image Sensor Sales Quantity by Type (2018-2029)

7.2 North America Automotive Grade ToF Image Sensor Sales Quantity by Application (2018-2029)

7.3 North America Automotive Grade ToF Image Sensor Market Size by Country

7.3.1 North America Automotive Grade ToF Image Sensor Sales Quantity by Country (2018-2029)

7.3.2 North America Automotive Grade ToF Image Sensor Consumption Value by Country (2018-2029)

7.3.3 United States Market Size and Forecast (2018-2029)

7.3.4 Canada Market Size and Forecast (2018-2029)

7.3.5 Mexico Market Size and Forecast (2018-2029)

## **8 EUROPE**

8.1 Europe Automotive Grade ToF Image Sensor Sales Quantity by Type (2018-2029)

8.2 Europe Automotive Grade ToF Image Sensor Sales Quantity by Application (2018-2029)

8.3 Europe Automotive Grade ToF Image Sensor Market Size by Country

8.3.1 Europe Automotive Grade ToF Image Sensor Sales Quantity by Country (2018-2029)

8.3.2 Europe Automotive Grade ToF Image Sensor Consumption Value by Country (2018-2029)

8.3.3 Germany Market Size and Forecast (2018-2029)

8.3.4 France Market Size and Forecast (2018-2029)

8.3.5 United Kingdom Market Size and Forecast (2018-2029)

8.3.6 Russia Market Size and Forecast (2018-2029)

8.3.7 Italy Market Size and Forecast (2018-2029)

## **9 ASIA-PACIFIC**

9.1 Asia-Pacific Automotive Grade ToF Image Sensor Sales Quantity by Type (2018-2029)

9.2 Asia-Pacific Automotive Grade ToF Image Sensor Sales Quantity by Application (2018-2029)

9.3 Asia-Pacific Automotive Grade ToF Image Sensor Market Size by Region

9.3.1 Asia-Pacific Automotive Grade ToF Image Sensor Sales Quantity by Region (2018-2029)

9.3.2 Asia-Pacific Automotive Grade ToF Image Sensor Consumption Value by Region (2018-2029)

9.3.3 China Market Size and Forecast (2018-2029)

9.3.4 Japan Market Size and Forecast (2018-2029)

9.3.5 Korea Market Size and Forecast (2018-2029)

9.3.6 India Market Size and Forecast (2018-2029)

9.3.7 Southeast Asia Market Size and Forecast (2018-2029)

9.3.8 Australia Market Size and Forecast (2018-2029)

## **10 SOUTH AMERICA**

10.1 South America Automotive Grade ToF Image Sensor Sales Quantity by Type (2018-2029)

10.2 South America Automotive Grade ToF Image Sensor Sales Quantity by Application (2018-2029)

10.3 South America Automotive Grade ToF Image Sensor Market Size by Country

10.3.1 South America Automotive Grade ToF Image Sensor Sales Quantity by Country (2018-2029)

10.3.2 South America Automotive Grade ToF Image Sensor Consumption Value by Country (2018-2029)

10.3.3 Brazil Market Size and Forecast (2018-2029)

10.3.4 Argentina Market Size and Forecast (2018-2029)

## **11 MIDDLE EAST & AFRICA**

11.1 Middle East & Africa Automotive Grade ToF Image Sensor Sales Quantity by Type (2018-2029)

11.2 Middle East & Africa Automotive Grade ToF Image Sensor Sales Quantity by Application (2018-2029)

11.3 Middle East & Africa Automotive Grade ToF Image Sensor Market Size by Country

11.3.1 Middle East & Africa Automotive Grade ToF Image Sensor Sales Quantity by Country (2018-2029)

11.3.2 Middle East & Africa Automotive Grade ToF Image Sensor Consumption Value by Country (2018-2029)

11.3.3 Turkey Market Size and Forecast (2018-2029)

11.3.4 Egypt Market Size and Forecast (2018-2029)

11.3.5 Saudi Arabia Market Size and Forecast (2018-2029)

11.3.6 South Africa Market Size and Forecast (2018-2029)

## **12 MARKET DYNAMICS**

12.1 Automotive Grade ToF Image Sensor Market Drivers

12.2 Automotive Grade ToF Image Sensor Market Restraints

12.3 Automotive Grade ToF Image Sensor Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

## **13 RAW MATERIAL AND INDUSTRY CHAIN**

13.1 Raw Material of Automotive Grade ToF Image Sensor and Key Manufacturers

13.2 Manufacturing Costs Percentage of Automotive Grade ToF Image Sensor

13.3 Automotive Grade ToF Image Sensor Production Process

13.4 Automotive Grade ToF Image Sensor Industrial Chain

## **14 SHIPMENTS BY DISTRIBUTION CHANNEL**

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Automotive Grade ToF Image Sensor Typical Distributors

14.3 Automotive Grade ToF Image Sensor Typical Customers

## **15 RESEARCH FINDINGS AND CONCLUSION**

## **16 APPENDIX**

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. Global Automotive Grade ToF Image Sensor Consumption Value by Type, (USD Million), 2018 & 2022 & 2029

Table 2. Global Automotive Grade ToF Image Sensor Consumption Value by Application, (USD Million), 2018 & 2022 & 2029

Table 3. Melexis Basic Information, Manufacturing Base and Competitors

Table 4. Melexis Major Business

Table 5. Melexis Automotive Grade ToF Image Sensor Product and Services

Table 6. Melexis Automotive Grade ToF Image Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 7. Melexis Recent Developments/Updates

Table 8. Infineon Technologies Basic Information, Manufacturing Base and Competitors

Table 9. Infineon Technologies Major Business

Table 10. Infineon Technologies Automotive Grade ToF Image Sensor Product and Services

Table 11. Infineon Technologies Automotive Grade ToF Image Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 12. Infineon Technologies Recent Developments/Updates

Table 13. Texas Instruments Basic Information, Manufacturing Base and Competitors

Table 14. Texas Instruments Major Business

Table 15. Texas Instruments Automotive Grade ToF Image Sensor Product and Services

Table 16. Texas Instruments Automotive Grade ToF Image Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 17. Texas Instruments Recent Developments/Updates

Table 18. Samsung Semiconductor Global Basic Information, Manufacturing Base and Competitors

Table 19. Samsung Semiconductor Global Major Business

Table 20. Samsung Semiconductor Global Automotive Grade ToF Image Sensor Product and Services

Table 21. Samsung Semiconductor Global Automotive Grade ToF Image Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

- Table 22. Samsung Semiconductor Global Recent Developments/Updates
- Table 23. Analog Devices Basic Information, Manufacturing Base and Competitors
- Table 24. Analog Devices Major Business
- Table 25. Analog Devices Automotive Grade ToF Image Sensor Product and Services
- Table 26. Analog Devices Automotive Grade ToF Image Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 27. Analog Devices Recent Developments/Updates
- Table 28. Panasonic Basic Information, Manufacturing Base and Competitors
- Table 29. Panasonic Major Business
- Table 30. Panasonic Automotive Grade ToF Image Sensor Product and Services
- Table 31. Panasonic Automotive Grade ToF Image Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 32. Panasonic Recent Developments/Updates
- Table 33. Omron Electronic Components Basic Information, Manufacturing Base and Competitors
- Table 34. Omron Electronic Components Major Business
- Table 35. Omron Electronic Components Automotive Grade ToF Image Sensor Product and Services
- Table 36. Omron Electronic Components Automotive Grade ToF Image Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 37. Omron Electronic Components Recent Developments/Updates
- Table 38. Teledyne Basic Information, Manufacturing Base and Competitors
- Table 39. Teledyne Major Business
- Table 40. Teledyne Automotive Grade ToF Image Sensor Product and Services
- Table 41. Teledyne Automotive Grade ToF Image Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 42. Teledyne Recent Developments/Updates
- Table 43. FRAMOS Basic Information, Manufacturing Base and Competitors
- Table 44. FRAMOS Major Business
- Table 45. FRAMOS Automotive Grade ToF Image Sensor Product and Services
- Table 46. FRAMOS Automotive Grade ToF Image Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 47. FRAMOS Recent Developments/Updates
- Table 48. KINGRAY Basic Information, Manufacturing Base and Competitors



Table 49. KINGRAY Major Business

Table 50. KINGRAY Automotive Grade ToF Image Sensor Product and Services

Table 51. KINGRAY Automotive Grade ToF Image Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 52. KINGRAY Recent Developments/Updates

Table 53. SONY Basic Information, Manufacturing Base and Competitors

Table 54. SONY Major Business

Table 55. SONY Automotive Grade ToF Image Sensor Product and Services

Table 56. SONY Automotive Grade ToF Image Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 57. SONY Recent Developments/Updates

Table 58. Sharp Corporation Basic Information, Manufacturing Base and Competitors

Table 59. Sharp Corporation Major Business

Table 60. Sharp Corporation Automotive Grade ToF Image Sensor Product and Services

Table 61. Sharp Corporation Automotive Grade ToF Image Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 62. Sharp Corporation Recent Developments/Updates

Table 63. Global Automotive Grade ToF Image Sensor Sales Quantity by Manufacturer (2018-2023) & (K Units)

Table 64. Global Automotive Grade ToF Image Sensor Revenue by Manufacturer (2018-2023) & (USD Million)

Table 65. Global Automotive Grade ToF Image Sensor Average Price by Manufacturer (2018-2023) & (US\$/Unit)

Table 66. Market Position of Manufacturers in Automotive Grade ToF Image Sensor, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2022

Table 67. Head Office and Automotive Grade ToF Image Sensor Production Site of Key Manufacturer

Table 68. Automotive Grade ToF Image Sensor Market: Company Product Type Footprint

Table 69. Automotive Grade ToF Image Sensor Market: Company Product Application Footprint

Table 70. Automotive Grade ToF Image Sensor New Market Entrants and Barriers to Market Entry

Table 71. Automotive Grade ToF Image Sensor Mergers, Acquisition, Agreements, and Collaborations

Table 72. Global Automotive Grade ToF Image Sensor Sales Quantity by Region (2018-2023) & (K Units)

Table 73. Global Automotive Grade ToF Image Sensor Sales Quantity by Region (2024-2029) & (K Units)

Table 74. Global Automotive Grade ToF Image Sensor Consumption Value by Region (2018-2023) & (USD Million)

Table 75. Global Automotive Grade ToF Image Sensor Consumption Value by Region (2024-2029) & (USD Million)

Table 76. Global Automotive Grade ToF Image Sensor Average Price by Region (2018-2023) & (US\$/Unit)

Table 77. Global Automotive Grade ToF Image Sensor Average Price by Region (2024-2029) & (US\$/Unit)

Table 78. Global Automotive Grade ToF Image Sensor Sales Quantity by Type (2018-2023) & (K Units)

Table 79. Global Automotive Grade ToF Image Sensor Sales Quantity by Type (2024-2029) & (K Units)

Table 80. Global Automotive Grade ToF Image Sensor Consumption Value by Type (2018-2023) & (USD Million)

Table 81. Global Automotive Grade ToF Image Sensor Consumption Value by Type (2024-2029) & (USD Million)

Table 82. Global Automotive Grade ToF Image Sensor Average Price by Type (2018-2023) & (US\$/Unit)

Table 83. Global Automotive Grade ToF Image Sensor Average Price by Type (2024-2029) & (US\$/Unit)

Table 84. Global Automotive Grade ToF Image Sensor Sales Quantity by Application (2018-2023) & (K Units)

Table 85. Global Automotive Grade ToF Image Sensor Sales Quantity by Application (2024-2029) & (K Units)

Table 86. Global Automotive Grade ToF Image Sensor Consumption Value by Application (2018-2023) & (USD Million)

Table 87. Global Automotive Grade ToF Image Sensor Consumption Value by Application (2024-2029) & (USD Million)

Table 88. Global Automotive Grade ToF Image Sensor Average Price by Application (2018-2023) & (US\$/Unit)

Table 89. Global Automotive Grade ToF Image Sensor Average Price by Application (2024-2029) & (US\$/Unit)

Table 90. North America Automotive Grade ToF Image Sensor Sales Quantity by Type (2018-2023) & (K Units)

Table 91. North America Automotive Grade ToF Image Sensor Sales Quantity by Type

(2024-2029) & (K Units)

Table 92. North America Automotive Grade ToF Image Sensor Sales Quantity by Application (2018-2023) & (K Units)

Table 93. North America Automotive Grade ToF Image Sensor Sales Quantity by Application (2024-2029) & (K Units)

Table 94. North America Automotive Grade ToF Image Sensor Sales Quantity by Country (2018-2023) & (K Units)

Table 95. North America Automotive Grade ToF Image Sensor Sales Quantity by Country (2024-2029) & (K Units)

Table 96. North America Automotive Grade ToF Image Sensor Consumption Value by Country (2018-2023) & (USD Million)

Table 97. North America Automotive Grade ToF Image Sensor Consumption Value by Country (2024-2029) & (USD Million)

Table 98. Europe Automotive Grade ToF Image Sensor Sales Quantity by Type (2018-2023) & (K Units)

Table 99. Europe Automotive Grade ToF Image Sensor Sales Quantity by Type (2024-2029) & (K Units)

Table 100. Europe Automotive Grade ToF Image Sensor Sales Quantity by Application (2018-2023) & (K Units)

Table 101. Europe Automotive Grade ToF Image Sensor Sales Quantity by Application (2024-2029) & (K Units)

Table 102. Europe Automotive Grade ToF Image Sensor Sales Quantity by Country (2018-2023) & (K Units)

Table 103. Europe Automotive Grade ToF Image Sensor Sales Quantity by Country (2024-2029) & (K Units)

Table 104. Europe Automotive Grade ToF Image Sensor Consumption Value by Country (2018-2023) & (USD Million)

Table 105. Europe Automotive Grade ToF Image Sensor Consumption Value by Country (2024-2029) & (USD Million)

Table 106. Asia-Pacific Automotive Grade ToF Image Sensor Sales Quantity by Type (2018-2023) & (K Units)

Table 107. Asia-Pacific Automotive Grade ToF Image Sensor Sales Quantity by Type (2024-2029) & (K Units)

Table 108. Asia-Pacific Automotive Grade ToF Image Sensor Sales Quantity by Application (2018-2023) & (K Units)

Table 109. Asia-Pacific Automotive Grade ToF Image Sensor Sales Quantity by Application (2024-2029) & (K Units)

Table 110. Asia-Pacific Automotive Grade ToF Image Sensor Sales Quantity by Region (2018-2023) & (K Units)

Table 111. Asia-Pacific Automotive Grade ToF Image Sensor Sales Quantity by Region (2024-2029) & (K Units)

Table 112. Asia-Pacific Automotive Grade ToF Image Sensor Consumption Value by Region (2018-2023) & (USD Million)

Table 113. Asia-Pacific Automotive Grade ToF Image Sensor Consumption Value by Region (2024-2029) & (USD Million)

Table 114. South America Automotive Grade ToF Image Sensor Sales Quantity by Type (2018-2023) & (K Units)

Table 115. South America Automotive Grade ToF Image Sensor Sales Quantity by Type (2024-2029) & (K Units)

Table 116. South America Automotive Grade ToF Image Sensor Sales Quantity by Application (2018-2023) & (K Units)

Table 117. South America Automotive Grade ToF Image Sensor Sales Quantity by Application (2024-2029) & (K Units)

Table 118. South America Automotive Grade ToF Image Sensor Sales Quantity by Country (2018-2023) & (K Units)

Table 119. South America Automotive Grade ToF Image Sensor Sales Quantity by Country (2024-2029) & (K Units)

Table 120. South America Automotive Grade ToF Image Sensor Consumption Value by Country (2018-2023) & (USD Million)

Table 121. South America Automotive Grade ToF Image Sensor Consumption Value by Country (2024-2029) & (USD Million)

Table 122. Middle East & Africa Automotive Grade ToF Image Sensor Sales Quantity by Type (2018-2023) & (K Units)

Table 123. Middle East & Africa Automotive Grade ToF Image Sensor Sales Quantity by Type (2024-2029) & (K Units)

Table 124. Middle East & Africa Automotive Grade ToF Image Sensor Sales Quantity by Application (2018-2023) & (K Units)

Table 125. Middle East & Africa Automotive Grade ToF Image Sensor Sales Quantity by Application (2024-2029) & (K Units)

Table 126. Middle East & Africa Automotive Grade ToF Image Sensor Sales Quantity by Region (2018-2023) & (K Units)

Table 127. Middle East & Africa Automotive Grade ToF Image Sensor Sales Quantity by Region (2024-2029) & (K Units)

Table 128. Middle East & Africa Automotive Grade ToF Image Sensor Consumption Value by Region (2018-2023) & (USD Million)

Table 129. Middle East & Africa Automotive Grade ToF Image Sensor Consumption Value by Region (2024-2029) & (USD Million)

Table 130. Automotive Grade ToF Image Sensor Raw Material

Table 131. Key Manufacturers of Automotive Grade ToF Image Sensor Raw Materials

Table 132. Automotive Grade ToF Image Sensor Typical Distributors

Table 133. Automotive Grade ToF Image Sensor Typical Customers

## LIST OF FIGURES

s

Figure 1. Automotive Grade ToF Image Sensor Picture

Figure 2. Global Automotive Grade ToF Image Sensor Consumption Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 3. Global Automotive Grade ToF Image Sensor Consumption Value Market Share by Type in 2022

Figure 4. Internal Sensor Examples

Figure 5. External Sensor Examples

Figure 6. Global Automotive Grade ToF Image Sensor Consumption Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 7. Global Automotive Grade ToF Image Sensor Consumption Value Market Share by Application in 2022

Figure 8. Commercial Vehicle Examples

Figure 9. Passenger Car Examples

Figure 10. Global Automotive Grade ToF Image Sensor Consumption Value, (USD Million): 2018 & 2022 & 2029

Figure 11. Global Automotive Grade ToF Image Sensor Consumption Value and Forecast (2018-2029) & (USD Million)

Figure 12. Global Automotive Grade ToF Image Sensor Sales Quantity (2018-2029) & (K Units)

Figure 13. Global Automotive Grade ToF Image Sensor Average Price (2018-2029) & (US\$/Unit)

Figure 14. Global Automotive Grade ToF Image Sensor Sales Quantity Market Share by Manufacturer in 2022

Figure 15. Global Automotive Grade ToF Image Sensor Consumption Value Market Share by Manufacturer in 2022

Figure 16. Producer Shipments of Automotive Grade ToF Image Sensor by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2021

Figure 17. Top 3 Automotive Grade ToF Image Sensor Manufacturer (Consumption Value) Market Share in 2022

Figure 18. Top 6 Automotive Grade ToF Image Sensor Manufacturer (Consumption Value) Market Share in 2022

Figure 19. Global Automotive Grade ToF Image Sensor Sales Quantity Market Share by Region (2018-2029)



Figure 20. Global Automotive Grade ToF Image Sensor Consumption Value Market Share by Region (2018-2029)

Figure 21. North America Automotive Grade ToF Image Sensor Consumption Value (2018-2029) & (USD Million)

Figure 22. Europe Automotive Grade ToF Image Sensor Consumption Value (2018-2029) & (USD Million)

Figure 23. Asia-Pacific Automotive Grade ToF Image Sensor Consumption Value (2018-2029) & (USD Million)

Figure 24. South America Automotive Grade ToF Image Sensor Consumption Value (2018-2029) & (USD Million)

Figure 25. Middle East & Africa Automotive Grade ToF Image Sensor Consumption Value (2018-2029) & (USD Million)

Figure 26. Global Automotive Grade ToF Image Sensor Sales Quantity Market Share by Type (2018-2029)

Figure 27. Global Automotive Grade ToF Image Sensor Consumption Value Market Share by Type (2018-2029)

Figure 28. Global Automotive Grade ToF Image Sensor Average Price by Type (2018-2029) & (US\$/Unit)

Figure 29. Global Automotive Grade ToF Image Sensor Sales Quantity Market Share by Application (2018-2029)

Figure 30. Global Automotive Grade ToF Image Sensor Consumption Value Market Share by Application (2018-2029)

Figure 31. Global Automotive Grade ToF Image Sensor Average Price by Application (2018-2029) & (US\$/Unit)

Figure 32. North America Automotive Grade ToF Image Sensor Sales Quantity Market Share by Type (2018-2029)

Figure 33. North America Automotive Grade ToF Image Sensor Sales Quantity Market Share by Application (2018-2029)

Figure 34. North America Automotive Grade ToF Image Sensor Sales Quantity Market Share by Country (2018-2029)

Figure 35. North America Automotive Grade ToF Image Sensor Consumption Value Market Share by Country (2018-2029)

Figure 36. United States Automotive Grade ToF Image Sensor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 37. Canada Automotive Grade ToF Image Sensor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 38. Mexico Automotive Grade ToF Image Sensor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 39. Europe Automotive Grade ToF Image Sensor Sales Quantity Market Share

by Type (2018-2029)

Figure 40. Europe Automotive Grade ToF Image Sensor Sales Quantity Market Share by Application (2018-2029)

Figure 41. Europe Automotive Grade ToF Image Sensor Sales Quantity Market Share by Country (2018-2029)

Figure 42. Europe Automotive Grade ToF Image Sensor Consumption Value Market Share by Country (2018-2029)

Figure 43. Germany Automotive Grade ToF Image Sensor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 44. France Automotive Grade ToF Image Sensor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 45. United Kingdom Automotive Grade ToF Image Sensor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 46. Russia Automotive Grade ToF Image Sensor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 47. Italy Automotive Grade ToF Image Sensor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 48. Asia-Pacific Automotive Grade ToF Image Sensor Sales Quantity Market Share by Type (2018-2029)

Figure 49. Asia-Pacific Automotive Grade ToF Image Sensor Sales Quantity Market Share by Application (2018-2029)

Figure 50. Asia-Pacific Automotive Grade ToF Image Sensor Sales Quantity Market Share by Region (2018-2029)

Figure 51. Asia-Pacific Automotive Grade ToF Image Sensor Consumption Value Market Share by Region (2018-2029)

Figure 52. China Automotive Grade ToF Image Sensor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 53. Japan Automotive Grade ToF Image Sensor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 54. Korea Automotive Grade ToF Image Sensor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 55. India Automotive Grade ToF Image Sensor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 56. Southeast Asia Automotive Grade ToF Image Sensor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 57. Australia Automotive Grade ToF Image Sensor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 58. South America Automotive Grade ToF Image Sensor Sales Quantity Market Share by Type (2018-2029)



- Figure 59. South America Automotive Grade ToF Image Sensor Sales Quantity Market Share by Application (2018-2029)
- Figure 60. South America Automotive Grade ToF Image Sensor Sales Quantity Market Share by Country (2018-2029)
- Figure 61. South America Automotive Grade ToF Image Sensor Consumption Value Market Share by Country (2018-2029)
- Figure 62. Brazil Automotive Grade ToF Image Sensor Consumption Value and Growth Rate (2018-2029) & (USD Million)
- Figure 63. Argentina Automotive Grade ToF Image Sensor Consumption Value and Growth Rate (2018-2029) & (USD Million)
- Figure 64. Middle East & Africa Automotive Grade ToF Image Sensor Sales Quantity Market Share by Type (2018-2029)
- Figure 65. Middle East & Africa Automotive Grade ToF Image Sensor Sales Quantity Market Share by Application (2018-2029)
- Figure 66. Middle East & Africa Automotive Grade ToF Image Sensor Sales Quantity Market Share by Region (2018-2029)
- Figure 67. Middle East & Africa Automotive Grade ToF Image Sensor Consumption Value Market Share by Region (2018-2029)
- Figure 68. Turkey Automotive Grade ToF Image Sensor Consumption Value and Growth Rate (2018-2029) & (USD Million)
- Figure 69. Egypt Automotive Grade ToF Image Sensor Consumption Value and Growth Rate (2018-2029) & (USD Million)
- Figure 70. Saudi Arabia Automotive Grade ToF Image Sensor Consumption Value and Growth Rate (2018-2029) & (USD Million)
- Figure 71. South Africa Automotive Grade ToF Image Sensor Consumption Value and Growth Rate (2018-2029) & (USD Million)
- Figure 72. Automotive Grade ToF Image Sensor Market Drivers
- Figure 73. Automotive Grade ToF Image Sensor Market Restraints
- Figure 74. Automotive Grade ToF Image Sensor Market Trends
- Figure 75. Porters Five Forces Analysis
- Figure 76. Manufacturing Cost Structure Analysis of Automotive Grade ToF Image Sensor in 2022
- Figure 77. Manufacturing Process Analysis of Automotive Grade ToF Image Sensor
- Figure 78. Automotive Grade ToF Image Sensor Industrial Chain
- Figure 79. Sales Quantity Channel: Direct to End-User vs Distributors
- Figure 80. Direct Channel Pros & Cons
- Figure 81. Indirect Channel Pros & Cons
- Figure 82. Methodology
- Figure 83. Research Process and Data Source

## I would like to order

Product name: Global Automotive Grade ToF Image Sensor Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

Product link: <https://marketpublishers.com/r/GCFE08E22C0FEN.html>

Price: US\$ 3,480.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GCFE08E22C0FEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

