

# **Global Time-of-Flight (ToF) Sensor Market Size study, by Product (RF-Modulated Light Sources With Phase Detectors, Range-Gated Imagers, Direct ToF Imagers), By Application (AR & VR, Lidar, Machine Vision, 3D Imaging & Scanning, Robotics & Drone) and Regional Forecasts 2022-2028**

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## **Abstracts**

Global Time-of-Flight (ToF) Sensor Market is valued at approximately USD XX billion in 2021 and is anticipated to grow with a healthy growth rate of more than XX % over the forecast period 2022-2028. Time of flight (ToF) is the measurement of the time taken by an object, particle or wave (be it acoustic, electromagnetic, etc.) to travel a distance through a medium. The growing demand for smartphones, increasing adoption of ToF sensors has led to the adoption of Time-of-Flight (ToF) Sensor across the forecast period. For Instance: According to Counterpoint Research, smartphone shipments are estimated to reach 173 million in 2021, a ~14% increase from the 2020 figure. Also, with the growing deployment of industry 4.0, the adoption & demand for Time-of-Flight (ToF) Sensor is likely to increase the market growth during the forecast period. However, extra costs associated with sensor solutions impede the growth of the market over the forecast period of 2022-2028.

The key regions considered for the Global Time-Of-Flight (ToF) Sensor Market study include Asia Pacific, North America, Europe, Latin America and Rest of the World. Europe is the leading region across the world in terms of market share owing to the rising deployment of industry 4.0. and automation. Whereas, Asia-Pacific is also anticipated to exhibit the highest growth rate over the forecast period 2022-2028. Factors such as easy availability of low-cost labor has led to increased manufacturing of different electronic components and devices in this region which would create lucrative

growth prospects for the Time-of-Flight (ToF) Sensor Market across Asia-Pacific region.

Major market players included in this report are:

Melexis NV (Belgium)  
Texas Instruments Incorporated (US)  
STMicroelectronics NV (Switzerland)  
Infineon Technologies AG (Germany)  
Panasonic Corporation (Japan)  
Teledyne Technologies Incorporated (US)  
Keyence Corporation (Japan)  
Technologies AG (Germany)  
Sharp Corporation (Japan)  
Sony Corporation (Japan)

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Product:

RF-Modulated Light Sources With Phase Detectors  
Range-Gated Imagers  
Direct ToF Imagers

By Application:

AR & VR  
LiDAR  
Machine Vision  
3D Imaging & Scanning  
Robotics & Drone

By Region:

North America  
U.S.  
Canada  
Europe

UK  
Germany  
France  
Spain  
Italy  
ROE

Asia Pacific  
China  
India  
Japan  
Australia  
South Korea  
RoAPAC  
Latin America  
Brazil  
Mexico  
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019, 2020  
Base year – 2021  
Forecast period – 2022 to 2028

Target Audience of the Global Time-of-Flight (ToF) Sensor Market in Market Study:

Key Consulting Companies & Advisors  
Large, medium-sized, and small enterprises  
Venture capitalists  
Value-Added Resellers (VARs)  
Third-party knowledge providers  
Investment bankers  
Investors

## Contents

### CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2020-2028 (USD Billion)
  - 1.2.1. Global Time-of-Flight (ToF) Sensor Market, by Region, 2020-2028 (USD Billion)
  - 1.2.2. Global Time-of-Flight (ToF) Sensor Market, by Product, 2020-2028 (USD Billion)
  - 1.2.3. Global Time-of-Flight (ToF) Sensor Market, by Application, 2020-2028 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

### CHAPTER 2. GLOBAL TIME-OF-FLIGHT (TOF) SENSOR MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
  - 2.2.1. Scope of the Study
  - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

### CHAPTER 3. GLOBAL TIME-OF-FLIGHT (TOF) SENSOR MARKET DYNAMICS

- 3.1. Time-of-Flight (ToF) Sensor Market Impact Analysis (2020-2028)
  - 3.1.1. Market Drivers
    - 3.1.1.1. Growing demand for smartphones
    - 3.1.1.2. Increasing adoption of ToF sensors
  - 3.1.2. Market Challenges
    - 3.1.2.1. Extra costs associated with sensor solutions
  - 3.1.3. Market Opportunities
    - 3.1.3.1. Growing deployment of industry 4.0

### CHAPTER 4. GLOBAL TIME-OF-FLIGHT (TOF) SENSOR MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model

- 4.1.1. Bargaining Power of Suppliers
- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.1.6. Futuristic Approach to Porter's 5 Force Model (2019-2028)
- 4.2. PEST Analysis
  - 4.2.1. Political
  - 4.2.2. Economical
  - 4.2.3. Social
  - 4.2.4. Technological
- 4.3. Investment Adoption Model
- 4.4. Analyst Recommendation & Conclusion
- 4.5. Top investment opportunity
- 4.6. Top winning strategies

## **CHAPTER 5. RISK ASSESSMENT: COVID-19 IMPACT**

- 5.1.1. Assessment of the overall impact of COVID-19 on the industry
- 5.1.2. Pre COVID-19 and post COVID-19 market scenario

## **CHAPTER 6. GLOBAL TIME-OF-FLIGHT (TOF) SENSOR MARKET, BY PRODUCT**

- 6.1. Market Snapshot
- 6.2. Global Time-of-Flight (ToF) Sensor Market by Product, Performance – Potential Analysis
- 6.3. Global Time-of-Flight (ToF) Sensor Market Estimates & Forecasts by Product, 2019-2028 (USD Billion)
- 6.4. Time-of-Flight (ToF) Sensor Market, Sub Segment Analysis
  - 6.4.1. RF-Modulated Light Sources With Phase Detectors
  - 6.4.2. Range-gated Imagers
  - 6.4.3. Direct ToF Imagers

## **CHAPTER 7. GLOBAL TIME-OF-FLIGHT (TOF) SENSOR MARKET, BY APPLICATION**

- 7.1. Market Snapshot
- 7.2. Global Time-of-Flight (ToF) Sensor Market by Application, Performance - Potential Analysis

7.3. Global Time-of-Flight (ToF) Sensor Market Estimates & Forecasts by Application, 2019-2028 (USD Billion)

7.4. Time-of-Flight (ToF) Sensor Market, Sub Segment Analysis

7.4.1. AR & VR

7.4.2. LiDAR

7.4.3. Machine Vision

7.4.4. 3D Imaging & Scanning

7.4.5. Robotics & Drone

## **CHAPTER 8. GLOBAL TIME-OF-FLIGHT (TOF) SENSOR MARKET, REGIONAL ANALYSIS**

8.1. Time-of-Flight (ToF) Sensor Market, Regional Market Snapshot

8.2. North America Time-of-Flight (ToF) Sensor Market

8.2.1. U.S. Time-of-Flight (ToF) Sensor Market

8.2.1.1. Product breakdown estimates & forecasts, 2019-2028

8.2.1.2. Application breakdown estimates & forecasts, 2019-2028

8.2.2. Canada Time-of-Flight (ToF) Sensor Market

8.3. Europe Time-of-Flight (ToF) Sensor Market Snapshot

8.3.1. U.K. Time-of-Flight (ToF) Sensor Market

8.3.2. Germany Time-of-Flight (ToF) Sensor Market

8.3.3. France Time-of-Flight (ToF) Sensor Market

8.3.4. Spain Time-of-Flight (ToF) Sensor Market

8.3.5. Italy Time-of-Flight (ToF) Sensor Market

8.3.6. Rest of Europe Time-of-Flight (ToF) Sensor Market

8.4. Asia-Pacific Time-of-Flight (ToF) Sensor Market Snapshot

8.4.1. China Time-of-Flight (ToF) Sensor Market

8.4.2. India Time-of-Flight (ToF) Sensor Market

8.4.3. Japan Time-of-Flight (ToF) Sensor Market

8.4.4. Australia Time-of-Flight (ToF) Sensor Market

8.4.5. South Korea Time-of-Flight (ToF) Sensor Market

8.4.6. Rest of Asia Pacific Time-of-Flight (ToF) Sensor Market

8.5. Latin America Time-of-Flight (ToF) Sensor Market Snapshot

8.5.1. Brazil Time-of-Flight (ToF) Sensor Market

8.5.2. Mexico Time-of-Flight (ToF) Sensor Market

8.6. Rest of The World Time-of-Flight (ToF) Sensor Market

## **CHAPTER 9. COMPETITIVE INTELLIGENCE**

## 9.1. Top Market Strategies

## 9.2. Company Profiles

### 9.2.1. Melexis NV (Belgium)

#### 9.2.1.1. Key Information

#### 9.2.1.2. Overview

#### 9.2.1.3. Financial (Subject to Data Availability)

#### 9.2.1.4. Product Summary

#### 9.2.1.5. Recent Developments

### 9.2.2. Texas Instruments Incorporated (US)

### 9.2.3. STMicroelectronics NV (Switzerland)

### 9.2.4. Infineon Technologies AG (Germany)

### 9.2.5. Panasonic Corporation (Japan)

### 9.2.6. Teledyne Technologies Incorporated (US)

### 9.2.7. Keyence Corporation (Japan)

### 9.2.8. Technologies AG (Germany)

### 9.2.9. Sharp Corporation (Japan)

### 9.2.10. Sony Corporation (Japan)

## **CHAPTER 10. RESEARCH PROCESS**

## 10.1. Research Process

### 10.1.1. Data Mining

### 10.1.2. Analysis

### 10.1.3. Market Estimation

### 10.1.4. Validation

### 10.1.5. Publishing

## 10.2. Research Attributes

## 10.3. Research Assumption

## List Of Tables

### LIST OF TABLES

TABLE 1. Global Time-of-Flight (ToF) Sensor market, report scope

TABLE 2. Global Time-of-Flight (ToF) Sensor market estimates & forecasts by Region 2019-2028 (USD Billion)

TABLE 3. Global Time-of-Flight (ToF) Sensor market estimates & forecasts by Product 2019-2028 (USD Billion)

TABLE 4. Global Time-of-Flight (ToF) Sensor market estimates & forecasts by Application 2019-2028 (USD Billion)

TABLE 5. Global Time-of-Flight (ToF) Sensor market by segment, estimates & forecasts, 2019-2028 (USD Billion)

TABLE 6. Global Time-of-Flight (ToF) Sensor market by region, estimates & forecasts, 2019-2028 (USD Billion)

TABLE 7. Global Time-of-Flight (ToF) Sensor market by segment, estimates & forecasts, 2019-2028 (USD Billion)

TABLE 8. Global Time-of-Flight (ToF) Sensor market by region, estimates & forecasts, 2019-2028 (USD Billion)

TABLE 9. Global Time-of-Flight (ToF) Sensor market by segment, estimates & forecasts, 2019-2028 (USD Billion)

TABLE 10. Global Time-of-Flight (ToF) Sensor market by region, estimates & forecasts, 2019-2028 (USD Billion)

TABLE 11. Global Time-of-Flight (ToF) Sensor market by segment, estimates & forecasts, 2019-2028 (USD Billion)

TABLE 12. Global Time-of-Flight (ToF) Sensor market by region, estimates & forecasts, 2019-2028 (USD Billion)

TABLE 13. Global Time-of-Flight (ToF) Sensor market by segment, estimates & forecasts, 2019-2028 (USD Billion)

TABLE 14. Global Time-of-Flight (ToF) Sensor market by region, estimates & forecasts, 2019-2028 (USD Billion)

TABLE 15. U.S. Time-of-Flight (ToF) Sensor market estimates & forecasts, 2019-2028 (USD Billion)

TABLE 16. U.S. Time-of-Flight (ToF) Sensor market estimates & forecasts by segment 2019-2028 (USD Billion)

TABLE 17. U.S. Time-of-Flight (ToF) Sensor market estimates & forecasts by segment 2019-2028 (USD Billion)

TABLE 18. Canada Time-of-Flight (ToF) Sensor market estimates & forecasts, 2019-2028 (USD Billion)



TABLE 19. Canada Time-of-Flight (ToF) Sensor market estimates & forecasts by segment 2019-2028 (USD Billion)

TABLE 20. Canada Time-of-Flight (ToF) Sensor market estimates & forecasts by segment 2019-2028 (USD Billion)

TABLE 21. UK Time-of-Flight (ToF) Sensor market estimates & forecasts, 2019-2028 (USD Billion)

TABLE 22. UK Time-of-Flight (ToF) Sensor market estimates & forecasts by segment 2019-2028 (USD Billion)

TABLE 23. UK Time-of-Flight (ToF) Sensor market estimates & forecasts by segment 2019-2028 (USD Billion)

TABLE 24. Germany Time-of-Flight (ToF) Sensor market estimates & forecasts, 2019-2028 (USD Billion)

TABLE 25. Germany Time-of-Flight (ToF) Sensor market estimates & forecasts by segment 2019-2028 (USD Billion)

TABLE 26. Germany Time-of-Flight (ToF) Sensor market estimates & forecasts by segment 2019-2028 (USD Billion)

TABLE 27. RoE Time-of-Flight (ToF) Sensor market estimates & forecasts, 2019-2028 (USD Billion)

TABLE 28. RoE Time-of-Flight (ToF) Sensor market estimates & forecasts by segment 2019-2028 (USD Billion)

TABLE 29. RoE Time-of-Flight (ToF) Sensor market estimates & forecasts by segment 2019-2028 (USD Billion)

TABLE 30. China Time-of-Flight (ToF) Sensor market estimates & forecasts, 2019-2028 (USD Billion)

TABLE 31. China Time-of-Flight (ToF) Sensor market estimates & forecasts by segment 2019-2028 (USD Billion)

TABLE 32. China Time-of-Flight (ToF) Sensor market estimates & forecasts by segment 2019-2028 (USD Billion)

TABLE 33. India Time-of-Flight (ToF) Sensor market estimates & forecasts, 2019-2028 (USD Billion)

TABLE 34. India Time-of-Flight (ToF) Sensor market estimates & forecasts by segment 2019-2028 (USD Billion)

TABLE 35. India Time-of-Flight (ToF) Sensor market estimates & forecasts by segment 2019-2028 (USD Billion)

TABLE 36. Japan Time-of-Flight (ToF) Sensor market estimates & forecasts, 2019-2028 (USD Billion)

TABLE 37. Japan Time-of-Flight (ToF) Sensor market estimates & forecasts by segment 2019-2028 (USD Billion)

TABLE 38. Japan Time-of-Flight (ToF) Sensor market estimates & forecasts by

segment 2019-2028 (USD Billion)

TABLE 39. RoAPAC Time-of-Flight (ToF) Sensor market estimates & forecasts, 2019-2028 (USD Billion)

TABLE 40. RoAPAC Time-of-Flight (ToF) Sensor market estimates & forecasts by segment 2019-2028 (USD Billion)

TABLE 41. RoAPAC Time-of-Flight (ToF) Sensor market estimates & forecasts by segment 2019-2028 (USD Billion)

TABLE 42. Brazil Time-of-Flight (ToF) Sensor market estimates & forecasts, 2019-2028 (USD Billion)

TABLE 43. Brazil Time-of-Flight (ToF) Sensor market estimates & forecasts by segment 2019-2028 (USD Billion)

TABLE 44. Brazil Time-of-Flight (ToF) Sensor market estimates & forecasts by segment 2019-2028 (USD Billion)

TABLE 45. Mexico Time-of-Flight (ToF) Sensor market estimates & forecasts, 2019-2028 (USD Billion)

TABLE 46. Mexico Time-of-Flight (ToF) Sensor market estimates & forecasts by segment 2019-2028 (USD Billion)

TABLE 47. Mexico Time-of-Flight (ToF) Sensor market estimates & forecasts by segment 2019-2028 (USD Billion)

TABLE 48. RoLA Time-of-Flight (ToF) Sensor market estimates & forecasts, 2019-2028 (USD Billion)

TABLE 49. RoLA Time-of-Flight (ToF) Sensor market estimates & forecasts by segment 2019-2028 (USD Billion)

TABLE 50. RoLA Time-of-Flight (ToF) Sensor market estimates & forecasts by segment 2019-2028 (USD Billion)

TABLE 51. Row Time-of-Flight (ToF) Sensor market estimates & forecasts, 2019-2028 (USD Billion)

TABLE 52. Row Time-of-Flight (ToF) Sensor market estimates & forecasts by segment 2019-2028 (USD Billion)

TABLE 53. Row Time-of-Flight (ToF) Sensor market estimates & forecasts by segment 2019-2028 (USD Billion)

TABLE 54. List of secondary sources, used in the study of global Time-of-Flight (ToF) Sensor market

TABLE 55. List of primary sources, used in the study of global Time-of-Flight (ToF) Sensor market

TABLE 56. Years considered for the study

TABLE 57. Exchange rates considered

## List Of Figures

### LIST OF FIGURES

- FIG 1. Global Time-of-Flight (ToF) Sensor market, research methodology
- FIG 2. Global Time-of-Flight (ToF) Sensor market, market estimation techniques
- FIG 3. Global market size estimates & forecast methods
- FIG 4. Global Time-of-Flight (ToF) Sensor market, key trends 2021
- FIG 5. Global Time-of-Flight (ToF) Sensor market, growth prospects 2022-2028
- FIG 6. Global Time-of-Flight (ToF) Sensor market, porters 5 force model
- FIG 7. Global Time-of-Flight (ToF) Sensor market, pest analysis
- FIG 8. Global Time-of-Flight (ToF) Sensor market, value chain analysis
- FIG 9. Global Time-of-Flight (ToF) Sensor market by segment, 2019 & 2028 (USD Billion)
- FIG 10. Global Time-of-Flight (ToF) Sensor market by segment, 2019 & 2028 (USD Billion)
- FIG 11. Global Time-of-Flight (ToF) Sensor market by segment, 2019 & 2028 (USD Billion)
- FIG 12. Global Time-of-Flight (ToF) Sensor market by segment, 2019 & 2028 (USD Billion)
- FIG 13. Global Time-of-Flight (ToF) Sensor market by segment, 2019 & 2028 (USD Billion)
- FIG 14. Global Time-of-Flight (ToF) Sensor market, regional snapshot 2019 & 2028
- FIG 15. North America Time-of-Flight (ToF) Sensor market 2019 & 2028 (USD Billion)
- FIG 16. Europe Time-of-Flight (ToF) Sensor market 2019 & 2028 (USD Billion)
- FIG 17. Asia pacific Time-of-Flight (ToF) Sensor market 2019 & 2028 (USD Billion)
- FIG 18. Latin America Time-of-Flight (ToF) Sensor market 2019 & 2028 (USD Billion)
- FIG 19. Global Time-of-Flight (ToF) Sensor market, company market share analysis (2021)

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