

Acoustic Camera Market Report by Array Type (2D, 3D), Measurement Type (Far Field, Near Field), Application (Noise Source Detection, Leak Detection, and Others), End Use (Aerospace and Defense, Infrastructure, Energy and Power, Automotive, and Others), and Region 2023-2028

<https://marketpublishers.com/r/A25F549E4603EN.html>

Date: November 2023

Pages: 138

Price: US\$ 2,499.00 (Single User License)

ID: A25F549E4603EN

Abstracts

The global acoustic camera market size reached US\$ 193.1 Million in 2022. Looking forward, IMARC Group expects the market to reach US\$ 379.1 Million by 2028, exhibiting a growth rate (CAGR) of 11.90% during 2022-2028.

An acoustic camera refers to a device used for detecting, identifying, locating and categorizing mid-to high-frequency sources of sound. It collects the signals using multiple microphones and simultaneously processes them to represent the accurate location of the source. The signals are processed and further recorded for analysis to demonstrate the phase of the sound wave. The camera also provides noise maps for qualitative analysis. Acoustic cameras are commonly used for combating noise pollution in crowded areas, mapping rocks and identifying faults in machinery and mechanical components. They are also used to reduce noise emission from automobiles, airplanes, trains, wind turbines and manufacturing and power generation plants.

Acoustic Camera Market Trends:

Increasing automation of various industrial processes is one of the key factors driving the growth of the market. Acoustic cameras are extensively utilized to identify and locate sound frequencies to locate defects in materials and prevent leakage and equipment or infrastructure failure. Moreover, significant growth in the automotive industry across the globe is creating a positive outlook for the market. Acoustic cameras

are used in vehicles during the design and prototyping phases for eliminating transient, intermittent and ill-defined noise sources that generate buzz, squeak and rattle (BSR) sounds. In line with this, the widespread adoption of acoustic cameras in advanced non-destructive testing (NDT) equipment is also contributing to the market growth. Various technological advancements, such as the development of combined audio and video acoustic cameras, are acting as other growth-inducing factors. These novel variants are used for controlling traffic and recording videos of vehicles breaching the permitted noise limits. Other factors, including rising consciousness among the masses regarding noise pollution, along with the implementation of favorable government policies, are anticipated to drive the market toward growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global acoustic camera market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on array type, measurement type, application and end use.

Breakup by Array Type:

2D

3D

Breakup by Measurement Type:

Far Field

Near Field

Breakup by Application:

Noise Source Detection

Leak Detection

Others

Breakup by End Use:

Aerospace and Defense

Infrastructure

Energy and Power

Automotive

Others

Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Br?el & Kj?r (Spectris Plc), CAE Software & Systems GmbH, gfai tech GmbH, Microflown Technologies, Norsonic AS, Polytec GmbH, Siemens AG, Signal Interface Group, SINUS Messtechnik GmbH, SM Instruments and Sorama.

Key Questions Answered in This Report

1. How big is the global acoustic camera market?

2. What is the expected growth rate of the global acoustic camera market during 2023-2028?
3. What has been the impact of COVID-19 on the global acoustic camera market?
4. What are the key factors driving the global acoustic camera market?
5. What is the breakup of the global acoustic camera market based on the array type?
6. What is the breakup of the global acoustic camera market based on the measurement type?
7. What is the breakup of the global acoustic camera market based on the application?
8. What is the breakup of the global acoustic camera market based on the end use?
9. What are the key regions in the global acoustic camera market?
10. Who are the key players/companies in the global acoustic camera market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL ACOUSTIC CAMERA MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY ARRAY TYPE

- 6.1 2D
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 3D
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast

7 MARKET BREAKUP BY MEASUREMENT TYPE

7.1 Far Field

7.1.1 Market Trends

7.1.2 Market Forecast

7.2 Near Field

7.2.1 Market Trends

7.2.2 Market Forecast

8 MARKET BREAKUP BY APPLICATION

8.1 Noise Source Detection

8.1.1 Market Trends

8.1.2 Market Forecast

8.2 Leak Detection

8.2.1 Market Trends

8.2.2 Market Forecast

8.3 Others

8.3.1 Market Trends

8.3.2 Market Forecast

9 MARKET BREAKUP BY END USE

9.1 Aerospace and Defense

9.1.1 Market Trends

9.1.2 Market Forecast

9.2 Infrastructure

9.2.1 Market Trends

9.2.2 Market Forecast

9.3 Energy and Power

9.3.1 Market Trends

9.3.2 Market Forecast

9.4 Automotive

9.4.1 Market Trends

9.4.2 Market Forecast

9.5 Others

9.5.1 Market Trends

9.5.2 Market Forecast

10 MARKET BREAKUP BY REGION

10.1 North America

10.1.1 United States

10.1.1.1 Market Trends

10.1.1.2 Market Forecast

10.1.2 Canada

10.1.2.1 Market Trends

10.1.2.2 Market Forecast

10.2 Asia-Pacific

10.2.1 China

10.2.1.1 Market Trends

10.2.1.2 Market Forecast

10.2.2 Japan

10.2.2.1 Market Trends

10.2.2.2 Market Forecast

10.2.3 India

10.2.3.1 Market Trends

10.2.3.2 Market Forecast

10.2.4 South Korea

10.2.4.1 Market Trends

10.2.4.2 Market Forecast

10.2.5 Australia

10.2.5.1 Market Trends

10.2.5.2 Market Forecast

10.2.6 Indonesia

10.2.6.1 Market Trends

10.2.6.2 Market Forecast

10.2.7 Others

10.2.7.1 Market Trends

10.2.7.2 Market Forecast

10.3 Europe

10.3.1 Germany

10.3.1.1 Market Trends

10.3.1.2 Market Forecast

10.3.2 France

10.3.2.1 Market Trends

10.3.2.2 Market Forecast

10.3.3 United Kingdom

- 10.3.3.1 Market Trends
- 10.3.3.2 Market Forecast
- 10.3.4 Italy
 - 10.3.4.1 Market Trends
 - 10.3.4.2 Market Forecast
- 10.3.5 Spain
 - 10.3.5.1 Market Trends
 - 10.3.5.2 Market Forecast
- 10.3.6 Russia
 - 10.3.6.1 Market Trends
 - 10.3.6.2 Market Forecast
- 10.3.7 Others
 - 10.3.7.1 Market Trends
 - 10.3.7.2 Market Forecast
- 10.4 Latin America
 - 10.4.1 Brazil
 - 10.4.1.1 Market Trends
 - 10.4.1.2 Market Forecast
 - 10.4.2 Mexico
 - 10.4.2.1 Market Trends
 - 10.4.2.2 Market Forecast
 - 10.4.3 Others
 - 10.4.3.1 Market Trends
 - 10.4.3.2 Market Forecast
- 10.5 Middle East and Africa
 - 10.5.1 Market Trends
 - 10.5.2 Market Breakup by Country
 - 10.5.3 Market Forecast

11 SWOT ANALYSIS

- 11.1 Overview
- 11.2 Strengths
- 11.3 Weaknesses
- 11.4 Opportunities
- 11.5 Threats

12 VALUE CHAIN ANALYSIS

13 PORTERS FIVE FORCES ANALYSIS

- 13.1 Overview
- 13.2 Bargaining Power of Buyers
- 13.3 Bargaining Power of Suppliers
- 13.4 Degree of Competition
- 13.5 Threat of New Entrants
- 13.6 Threat of Substitutes

14 PRICE ANALYSIS

15 COMPETITIVE LANDSCAPE

- 15.1 Market Structure
- 15.2 Key Players
- 15.3 Profiles of Key Players
 - 15.3.1 Br?el & Kj?r (Spectris Plc)
 - 15.3.1.1 Company Overview
 - 15.3.1.2 Product Portfolio
 - 15.3.2 CAE Software & Systems GmbH
 - 15.3.2.1 Company Overview
 - 15.3.2.2 Product Portfolio
 - 15.3.3 gfai tech GmbH
 - 15.3.3.1 Company Overview
 - 15.3.3.2 Product Portfolio
 - 15.3.4 Microflow Technologies
 - 15.3.4.1 Company Overview
 - 15.3.4.2 Product Portfolio
 - 15.3.5 Norsonic AS
 - 15.3.5.1 Company Overview
 - 15.3.5.2 Product Portfolio
 - 15.3.6 Polytec GmbH
 - 15.3.6.1 Company Overview
 - 15.3.6.2 Product Portfolio
 - 15.3.7 Siemens AG
 - 15.3.7.1 Company Overview
 - 15.3.7.2 Product Portfolio
 - 15.3.7.3 Financials
 - 15.3.7.4 SWOT Analysis

- 15.3.8 Signal Interface Group
 - 15.3.8.1 Company Overview
 - 15.3.8.2 Product Portfolio
- 15.3.9 SINUS Messtechnik GmbH
 - 15.3.9.1 Company Overview
 - 15.3.9.2 Product Portfolio
- 15.3.10 SM Instruments
 - 15.3.10.1 Company Overview
 - 15.3.10.2 Product Portfolio
- 15.3.11 Sorama
 - 15.3.11.1 Company Overview
 - 15.3.11.2 Product Portfolio

List Of Tables

LIST OF TABLES

Table 1: Global: Acoustic Camera Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: Acoustic Camera Market Forecast: Breakup by Array Type (in Million US\$), 2023-2028

Table 3: Global: Acoustic Camera Market Forecast: Breakup by Measurement Type (in Million US\$), 2023-2028

Table 4: Global: Acoustic Camera Market Forecast: Breakup by Application (in Million US\$), 2023-2028

Table 5: Global: Acoustic Camera Market Forecast: Breakup by End Use (in Million US\$), 2023-2028

Table 6: Global: Acoustic Camera Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 7: Global: Acoustic Camera Market: Competitive Structure

Table 8: Global: Acoustic Camera Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Acoustic Camera Market: Major Drivers and Challenges

Figure 2: Global: Acoustic Camera Market: Sales Value (in Million US\$), 2017-2022

Figure 3: Global: Acoustic Camera Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 4: Global: Acoustic Camera Market: Breakup by Array Type (in %), 2022

Figure 5: Global: Acoustic Camera Market: Breakup by Measurement Type (in %), 2022

Figure 6: Global: Acoustic Camera Market: Breakup by Application (in %), 2022

Figure 7: Global: Acoustic Camera Market: Breakup by End Use (in %), 2022

Figure 8: Global: Acoustic Camera Market: Breakup by Region (in %), 2022

Figure 9: Global: Acoustic Camera (2D) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 10: Global: Acoustic Camera (2D) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 11: Global: Acoustic Camera (3D) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 12: Global: Acoustic Camera (3D) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 13: Global: Acoustic Camera (Far Field) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 14: Global: Acoustic Camera (Far Field) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 15: Global: Acoustic Camera (Near Field) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 16: Global: Acoustic Camera (Near Field) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 17: Global: Acoustic Camera (Noise Source Detection) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 18: Global: Acoustic Camera (Noise Source Detection) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 19: Global: Acoustic Camera (Leak Detection) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 20: Global: Acoustic Camera (Leak Detection) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 21: Global: Acoustic Camera (Other Applications) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 22: Global: Acoustic Camera (Other Applications) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 23: Global: Acoustic Camera (Aerospace and Defense) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 24: Global: Acoustic Camera (Aerospace and Defense) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 25: Global: Acoustic Camera (Infrastructure) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 26: Global: Acoustic Camera (Infrastructure) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 27: Global: Acoustic Camera (Energy and Power) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 28: Global: Acoustic Camera (Energy and Power) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 29: Global: Acoustic Camera (Automotive) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 30: Global: Acoustic Camera (Automotive) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 31: Global: Acoustic Camera (Other End Uses) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 32: Global: Acoustic Camera (Other End Uses) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 33: North America: Acoustic Camera Market: Sales Value (in Million US\$), 2017 & 2022

Figure 34: North America: Acoustic Camera Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 35: United States: Acoustic Camera Market: Sales Value (in Million US\$), 2017 & 2022

Figure 36: United States: Acoustic Camera Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 37: Canada: Acoustic Camera Market: Sales Value (in Million US\$), 2017 & 2022

Figure 38: Canada: Acoustic Camera Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 39: Asia-Pacific: Acoustic Camera Market: Sales Value (in Million US\$), 2017 & 2022

Figure 40: Asia-Pacific: Acoustic Camera Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 41: China: Acoustic Camera Market: Sales Value (in Million US\$), 2017 & 2022

Figure 42: China: Acoustic Camera Market Forecast: Sales Value (in Million US\$),

2023-2028

Figure 43: Japan: Acoustic Camera Market: Sales Value (in Million US\$), 2017 & 2022

Figure 44: Japan: Acoustic Camera Market Forecast: Sales Value (in Million US\$),
2023-2028

Figure 45: India: Acoustic Camera Market: Sales Value (in Million US\$), 2017 & 2022

Figure 46: India: Acoustic Camera Market Forecast: Sales Value (in Million US\$),
2023-2028

Figure 47: South Korea: Acoustic Camera Market: Sales Value (in Million US\$), 2017 &
2022

Figure 48: South Korea: Acoustic Camera Market Forecast: Sales Value (in Million
US\$), 2023-2028

Figure 49: Australia: Acoustic Camera Market: Sales Value (in Million US\$), 2017 &
2022

Figure 50: Australia: Acoustic Camera Market Forecast: Sales Value (in Million US\$),
2023-2028

Figure 51: Indonesia: Acoustic Camera Market: Sales Value (in Million US\$), 2017 &
2022

Figure 52: Indonesia: Acoustic Camera Market Forecast: Sales Value (in Million US\$),
2023-2028

Figure 53: Others: Acoustic Camera Market: Sales Value (in Million US\$), 2017 & 2022

Figure 54: Others: Acoustic Camera Market Forecast: Sales Value (in Million US\$),
2023-2028

Figure 55: Europe: Acoustic Camera Market: Sales Value (in Million US\$), 2017 & 2022

Figure 56: Europe: Acoustic Camera Market Forecast: Sales Value (in Million US\$),
2023-2028

Figure 57: Germany: Acoustic Camera Market: Sales Value (in Million US\$), 2017 &
2022

Figure 58: Germany: Acoustic Camera Market Forecast: Sales Value (in Million US\$),
2023-2028

Figure 59: France: Acoustic Camera Market: Sales Value (in Million US\$), 2017 & 2022

Figure 60: France: Acoustic Camera Market Forecast: Sales Value (in Million US\$),
2023-2028

Figure 61: United Kingdom: Acoustic Camera Market: Sales Value (in Million US\$),
2017 & 2022

Figure 62: United Kingdom: Acoustic Camera Market Forecast: Sales Value (in Million
US\$), 2023-2028

Figure 63: Italy: Acoustic Camera Market: Sales Value (in Million US\$), 2017 & 2022

Figure 64: Italy: Acoustic Camera Market Forecast: Sales Value (in Million US\$),
2023-2028

Figure 65: Spain: Acoustic Camera Market: Sales Value (in Million US\$), 2017 & 2022

Figure 66: Spain: Acoustic Camera Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 67: Russia: Acoustic Camera Market: Sales Value (in Million US\$), 2017 & 2022

Figure 68: Russia: Acoustic Camera Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 69: Others: Acoustic Camera Market: Sales Value (in Million US\$), 2017 & 2022

Figure 70: Others: Acoustic Camera Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 71: Latin America: Acoustic Camera Market: Sales Value (in Million US\$), 2017 & 2022

Figure 72: Latin America: Acoustic Camera Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 73: Brazil: Acoustic Camera Market: Sales Value (in Million US\$), 2017 & 2022

Figure 74: Brazil: Acoustic Camera Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 75: Mexico: Acoustic Camera Market: Sales Value (in Million US\$), 2017 & 2022

Figure 76: Mexico: Acoustic Camera Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 77: Others: Acoustic Camera Market: Sales Value (in Million US\$), 2017 & 2022

Figure 78: Others: Acoustic Camera Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 79: Middle East and Africa: Acoustic Camera Market: Sales Value (in Million US\$), 2017 & 2022

Figure 80: Middle East and Africa: Acoustic Camera Market: Breakup by Country (in %), 2022

Figure 81: Middle East and Africa: Acoustic Camera Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 82: Global: Acoustic Camera Industry: SWOT Analysis

Figure 83: Global: Acoustic Camera Industry: Value Chain Analysis

Figure 84: Global: Acoustic Camera Industry: Porter's Five Forces Analysis

I would like to order

Product name: Acoustic Camera Market Report by Array Type (2D, 3D), Measurement Type (Far Field, Near Field), Application (Noise Source Detection, Leak Detection, and Others), End Use (Aerospace and Defense, Infrastructure, Energy and Power, Automotive, and Others), and Region 2023-2028

Product link: <https://marketpublishers.com/r/A25F549E4603EN.html>

Price: US\$ 2,499.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/A25F549E4603EN.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