

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

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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?

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