

# **Global Acoustic Camera Market Size study & Forecast, by Array Type (2D Array, 3D Array) By Measurement Type (Far Field, Near Field) By Application (Noise Source Identification, Leakage Detection, Others) By End Use (Infrastructure, Automotive, Industrial Electronics & Appliance, Aerospace, Energy & Power, Education & Research) and Regional Analysis, 2022-2029**

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## **Abstracts**

Global Acoustic Camera Market is valued approximately USD XXX billion in 2021 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2022-2029. Acoustic camera used to identify, locate, recognize, and categories the sound source. It concurrently gathers signals and processes them to determine the position of the sound source. An image of the position of the sound source is created using an array of microphones from which signals are simultaneously captured and processed to create an acoustic camera. In big cities, these cameras are being used more and more to control noise pollution. These cameras are also employed for mapping rocks and locating mechanical and machine component faults. The key factor driving the market growth is rising automated production process, growing awareness about noise pollution, and emerging new technologies in automotive that anticipated to support the market growth during forecast period.

The acoustic camera market is anticipated to grow significantly in the automotive sector. The newest innovations and improvements, such autonomous vehicles and electric vehicles, are causing the sector to expand. These new innovations have improved testing for harshness, vibration, and noise. As a result, there is a growing need for

acoustic cameras in the automotive industry to address buzz, squeak, and rattle (BSR) issues in automobiles and production processes. Several countries are developing new rules and implementing pilot projects to minimize the noise pollution caused on by automobiles, which should help the development of the industry. For instance, the French government launched a new trial using "noise cameras" in January 2022 to address excessive noise from moving automobiles. Moreover, growing adoption of acoustics in entertainment venues coupled with emerging audio and video combined microphone and camera array technology is expected to create significant growth opportunity in the market over the forecast period. However, high manufacturing cost of acoustic camera system impedes the growth of the market over the forecast period of 2022-2029.

The key regions considered for the Global Acoustic Camera Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. Europe is the dominating region across the world in terms of market share, owing to the presence of key market players, government rules & regulation and growing automotive industry in the region. Whereas, Asia Pacific is also anticipated to exhibit highest growth rate over the forecast period, owing to factors such as rising disposable income, growing manufacturing facilities, rising noise levels from manufacturing plant would create lucrative growth prospects for the Acoustic Camera market across Asia Pacific region.

Major market player included in this report are:

Br?el & Kj?r

CAE Software and Systems GmbH

GFAI Tech GmbH

Microflown Technologies

Norsonic AS

Sinus Messtechnik GmbH

Signal Interface Group (SIG)

Sm Instruments

Sorama

Siemens Product Lifecycle Management Software Inc

Recent Developments in the Market:

In June 2022, Teledyne FLIR, a part of Teledyne Technologies Incorporated, enhanced its Si124 industrial acoustic imaging relatives of cameras by introducing the new set of sound imaging cameras which feature a wider acoustic detectability, up to 65Khz, including a quick start power button and an interconnected battery to make monitoring and inspection more effective and efficient.

Global Acoustic Camera Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered Array Type, Measurement Type, Application, End Use, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope\*

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 years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential 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 Array Type:

2D Array

3D Array

By Measurement Type:

Far Field

Near Field

By Application:

Noise Source Identification

Leakage Detection

Others

By End Use :

Infrastructure

Automotive

Industrial

Electronics & Appliance

Aerospace

Energy & Power  
Education & Research

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

RoLA

Rest of the World

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