

Global MEMS Acoustic Camera Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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Abstracts

An acoustic camera is an imaging device used to locate sound sources and to characterize them. It consists of a group of microphones — also called microphone array — that are simultaneously acquired to form a representation of the location of the sound sources. With this method the sound signal is shown and also a sequence of acoustic images can be acquired as acoustic videos are generated at same time. The latest development in acoustic cameras are acoustic cameras based on MEMS microphones (MicroElectrical-Mechanical System) as opposed to the traditional array microphones. MEMS microphones are also called chip-seen microphones or silicon microphones as they are produced on the basis of silicon-chip technology. Acoustic cameras based on MEMS microphones and FPGA technology are significantly cheaper than traditional acoustic cameras, so acoustic cameras have become more accessible in terms of budget.

According to our (Global Info Research) latest study, the global MEMS Acoustic Camera market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

The Acoustic Camera was the first commercially viable system using beamforming to visually localize acoustic emissions. Brought to the market in 2001 as a pioneering technique, the Acoustic Camera has over the years become a metaphor for beamforming systems in general. The tool is now used in a variety of industries and has a growing customer base worldwide.

This report is a detailed and comprehensive analysis for global MEMS Acoustic Camera

market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2023, are provided.

Key Features:

Global MEMS Acoustic Camera market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2018-2029

Global MEMS Acoustic Camera market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2018-2029

Global MEMS Acoustic Camera market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2018-2029

Global MEMS Acoustic Camera market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (USD/Unit), 2018-2023

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for MEMS Acoustic Camera

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global MEMS Acoustic Camera market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Norsonic AS (Norway), Br?el and Kj?r (Denmark), SM Instruments (Korea), Siemens PLM Software (Germany) and Microflow Technologies (Netherlands), etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Market Segmentation

MEMS Acoustic Camera 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. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Below 50 cm

50-100 cm

Above 100 cm

Market segment by Application

Aerospace

Electronics and Appliance

Automotive

Education and Research

Others

Major players covered

Norsonic AS (Norway)

Br el and K r (Denmark)

SM Instruments (Korea)

Siemens PLM Software (Germany)

Microflown Technologies (Netherlands)

gfai tech (Germany)

CAE Systems (Germany)

SINUS Messtechnik (Germany)

Ziegler-Instruments (Germany)

KeyGo Technologies (China)

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 MEMS Acoustic Camera product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of MEMS Acoustic Camera, with price, sales, revenue and global market share of MEMS Acoustic Camera from 2018 to 2023.

Chapter 3, the MEMS Acoustic Camera competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the MEMS Acoustic Camera 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 MEMS Acoustic Camera market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of MEMS Acoustic Camera.

Chapter 14 and 15, to describe MEMS Acoustic Camera sales channel, distributors, customers, research findings and conclusion.

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