

Global Multi-Channel Passive Acoustic Recorder Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/GF44233B2D21EN.html>

Date: March 2026

Pages: 127

Price: US\$ 4,480.00 (Single User License)

ID: GF44233B2D21EN

Abstracts

The global Multi-Channel Passive Acoustic Recorder market size is expected to reach \$ 485 million by 2032, rising at a market growth of 5.5% CAGR during the forecast period (2026-2032).

A multi-channel passive acoustic recorder is a passive listening device used to acquire and record multiple acoustic signals. It relies on sound wave propagation underwater or in the air for target monitoring, without actively emitting signals. It is widely used in marine monitoring, seismic exploration, military surveillance, and scientific research.

Upstream components mainly include hydrophones and sensor elements, signal acquisition modules, data storage chips, power systems, and pressure-resistant housing materials. Downstream applications cover marine environmental monitoring, seabed resource exploration, military surveillance, scientific research, and ecological protection. The global average price of a multi-channel passive acoustic recorder is US\$71,200 per unit, with sales of approximately 4,556 units and global production capacity of approximately 4,800 units. The industry profit margin is 20%.

This report studies the global Multi-Channel Passive Acoustic Recorder production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Multi-Channel Passive Acoustic Recorder and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Multi-Channel Passive Acoustic Recorder that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Multi-Channel Passive Acoustic Recorder total production and demand, 2021-2032, (Units)

Global Multi-Channel Passive Acoustic Recorder total production value, 2021-2032, (USD Million)

Global Multi-Channel Passive Acoustic Recorder production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)

Global Multi-Channel Passive Acoustic Recorder consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: Multi-Channel Passive Acoustic Recorder domestic production, consumption, key domestic manufacturers and share

Global Multi-Channel Passive Acoustic Recorder production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

Global Multi-Channel Passive Acoustic Recorder production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

Global Multi-Channel Passive Acoustic Recorder production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global Multi-Channel Passive Acoustic Recorder 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 RS Aqua, BlueZone Group, Ocean Instruments, RTSYS, Teledyne Marine, Sonardyne, Aquatec Group, GeoSpectrum Technologies, Ocean Sonics, High Tech Inc., etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Multi-Channel Passive Acoustic Recorder market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the

forecast year.

Global Multi-Channel Passive Acoustic Recorder Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Multi-Channel Passive Acoustic Recorder Market, Segmentation by Type:

Single Channel

2?8 Channels

8?32 Channels

Others

Global Multi-Channel Passive Acoustic Recorder Market, Segmentation by Frequency Range:

Low Frequency (20 kHz)

Global Multi-Channel Passive Acoustic Recorder Market, Segmentation by Usage

Environment:

Underwater

Land-based

Airborne Acoustic

Global Multi-Channel Passive Acoustic Recorder Market, Segmentation by Application:

Military

Commercial

Government

Other

Companies Profiled:

RS Aqua

BlueZone Group

Ocean Instruments

RTSYS

Teledyne Marine

Sonardyne

Aquatec Group

GeoSpectrum Technologies

Ocean Sonics

High Tech Inc.

Kongsberg Maritime

L3Harris Technologies

Jasco Applied Sciences

Turbulent Research

Key Questions Answered:

1. How big is the global Multi-Channel Passive Acoustic Recorder market?
2. What is the demand of the global Multi-Channel Passive Acoustic Recorder market?
3. What is the year over year growth of the global Multi-Channel Passive Acoustic Recorder market?
4. What is the production and production value of the global Multi-Channel Passive Acoustic Recorder market?
5. Who are the key producers in the global Multi-Channel Passive Acoustic Recorder market?
6. What are the growth factors driving the market demand?

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