

Active Sensor Market By Sensor (LiDAR, Radar, GPS, Ultrasonic Sensor, Others), By End Use Verticals (Automotive, Consumer Electronics, Healthcare, Aerospace and Defence, Earth Observation and Mapping, Communication, Navigation, Others): Global Opportunity Analysis and Industry Forecast, 2021-2031

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Report description:

The global active sensor market was valued at \$18,837.9 million in 2021, and is projected to reach \$50,739.93 million by 2031, registering a CAGR of 10.57% from 2022 to 2031. □An active sensor is a device that detects radio transmissions from sensors that have been refracted, dispersed, or reflected by Earth's surface or atmosphere. Rise in use in communication and navigation applications, along with the military & defense sector is anticipated to drive the market during the forecast period.

Growth of the global active sensor market is majorly driven by rise in numbers of automobile manufacturing paired with growing need for enriched sensing technologies. Further, growth in demand for use of sensing technologies in □military and defence is anticipated to drive growth of the active sensor market. However, high cost of developing, installing, and maintaining active sensors is expected to restrain the market expansion on a global scale. On the contrary, shift toward adoption of advanced sensing technologies in various end-use verticals has been providing lucrative market opportunities.

The global active sensor market research is segmented into sensor and end use verticals. On the basis of sensor, the market is bifurcated into LiDAR, Radar, GPS, ultrasonic sensor, and others. By end-use verticals, it is divided into transportation, consumer electronics, healthcare, aerospace and defense, mapping and earth observation, communication, and others. The automotive segment was the highest revenue contributor to the market in 2021. Region-wise, the active sensor market trends are analyzed across North America, Europe, Asia-Pacific, and LAMEA.

Key players operating in the market include Baumer Group, Emerson Electric Co., General Electric Company, Honeywell International Inc., Infineon Technologies AG, KEYENCE Corporation, Microchip Technology Inc., Murata Manufacturing Co., Northrop Grumman LITEF GmbH, NXP Semiconductors., OMRON Corporation, Robert Bosch GmbH, ROHM Co. LTD., SIEMENS AG, STMicroelectronics, Taiwan Semiconductor Manufacturing Company Limited, TDK Corporation, and TE Connectivity.

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Key Market Segments

By Sensor

- LiDAR
- Radar
- GPS
- Ultrasonic Sensor
- Others

By End Use Verticals

- Automotive
- Consumer Electronics
- Healthcare
- Aerospace and Defence
- Earth Observation and Mapping
- Communication
- Navigation
- Others

By Region

- North America
- U.S.
- Canada
- Mexico
- Europe
- Germany
- Italy
- France
- Spain
- United Kingdom
- Russia
- Rest of Europe
- Asia-Pacific
- China
- India
- Japan
- South Korea
- Rest of Asia-Pacific
- LAMEA
- Africa
- Latin America
- Middle East
- Key Market Players
- Baumer Group
- Emerson Electric Co.
- General Electric Company
- Honeywell International Inc.
- Infineon Technologies AG
- KEYENCE Corporation
- Microchip Technology Inc.

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- Murata Manufacturing Co.
- Northrop Grumman LITEF GmbH
- NXP Semiconductors.
- OMRON Corporation

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