+44 20 8123 2220
info@marketpublishers.com

# Automotive Gesture Recognition Market– Global Industry Size, Share, Trends Opportunity, and Forecast 2018-2028 Segmented By Technology (Touch-Based Gesture Recognition, Touchless Gesture Recognition), By Application (Multimedia/Infotainment/Navigation, Lighting Systems, and Others), By Regional, Competition

https://marketpublishers.com/r/A46A01289934EN.html
Date: October 2023
Pages: 181
Price: US$ 4,900.00 (Single User License)
ID: A46A01289934EN

## Abstracts

The Global Automotive Gesture Recognition Market reached USD 855 million in 2022 and is expected to maintain a steady growth rate with a CAGR of 4.9% during the forecast period from 2024 to 2028.

The global Automotive Gesture Recognition Market has experienced substantial growth and transformation in recent years, driven by technological advancements, rising demand for touchless interfaces, and its applications across various industries. Gesture recognition technology empowers users to interact with devices and systems using hand or body movements, making it a pivotal element in the human-machine interface (HMI) landscape.

A primary catalyst for the Automotive Gesture Recognition Market's expansion is the increasing integration of this technology in consumer electronics and smart devices. Smartphones, tablets, and gaming consoles have incorporated gesture recognition to enhance user experiences. For instance, gestures are utilized for menu navigation, media playback control, or engaging in motion-based games. This widespread adoption by consumers has driven market growth as users become more accustomed to gesture-based interactions. Additionally, the COVID-19 pandemic expedited the adoption of touchless interfaces due to hygiene concerns, leading to reduced physical touchpoints.

+44 20 8123 2220
info@marketpublishers.com

Consequently, various industries, including retail, healthcare, and automotive, have embraced gesture recognition systems to minimize physical contact and enhance user safety. For example, touchless interfaces in healthcare are used to manage medical equipment, while in retail, they facilitate contactless payments and interactive displays.

The automotive sector is a significant contributor to the advancement of gesture recognition technology. Gesture-based controls within vehicles are gaining popularity, providing drivers and passengers with a more intuitive way to interact with infotainment systems, climate control, and other in-car features. Moreover, these systems enhance driver safety by reducing the need to divert attention from the road or remove hands from the steering wheel. In industrial settings, gesture recognition is applied to enhance human-machine collaboration, improving worker efficiency and safety by enabling operators to control machinery and interfaces without physical contact. This is especially valuable in manufacturing and logistics environments where precision and speed are paramount.

Nonetheless, the Automotive Gesture Recognition Market faces challenges, including technical limitations such as the need for enhanced accuracy and the ability to reliably recognize complex gestures. Privacy concerns regarding the collection of biometric data through gesture recognition systems have also emerged as significant issues. Addressing these challenges is imperative for sustaining market growth. The global Automotive Gesture Recognition Market continues to expand due to increased consumer adoption, growing demand for touchless interfaces across industries, and ongoing technological advancements. As gesture recognition systems become more sophisticated and integrated into various applications, the market is poised for continued growth and innovation in the coming years. To maintain this momentum, both technology developers and end-users must address technical challenges and privacy concerns.

Key Market Drivers

Consumer Electronics Integration

The integration of gesture recognition technology into consumer electronics, such as smartphones, tablets, and gaming consoles, has been a significant driver of market growth. Consumers increasingly expect intuitive and interactive interfaces, and gesture recognition provides a hands-free, immersive experience. This trend has fueled the adoption of gesture recognition in everyday devices and has driven market expansion.

+44 20 8123 2220
info@marketpublishers.com

## Touchless Interfaces in the Pandemic Era

The COVID-19 pandemic accelerated the demand for touchless interfaces across industries, and gesture recognition technology emerged as a viable solution to reduce physical contact with surfaces. In healthcare, retail, and public spaces, touchless interactions for tasks like making payments, accessing information, or controlling devices have become essential. This heightened awareness of hygiene and safety has propelled the adoption of gesture recognition systems.

## Automotive Industry Applications

The automotive sector has embraced gesture recognition for in-car human-machine interfaces. Gesture-based controls have gained popularity for infotainment systems, climate control, and other in-vehicle functions. This technology not only enhances user experience but also improves driver safety by minimizing distractions and reducing the need for physical button presses or touchscreens while driving.

## Industrial Automation and Manufacturing

Gesture recognition is increasingly used in industrial settings to enhance human-machine collaboration. It allows operators to control machinery, robotic systems, and interfaces without physical contact, leading to improved efficiency, precision, and safety. This technology finds applications in manufacturing, logistics, and warehouse operations, driving productivity gains.

## Gesture Recognition in Healthcare

The healthcare industry has recognized the value of gesture recognition for hands-free control of medical equipment, especially in sterile environments like operating rooms. Surgeons and healthcare professionals can access patient data, medical images, and other critical information without compromising hygiene. This driver underscores the technology's importance in mission-critical sectors.

## Gaming and Entertainment

Gesture recognition has revolutionized the gaming and entertainment industry. Motion-sensing gaming consoles like the Xbox Kinect and PlayStation Move have popularized gesture-based gaming experiences, allowing players to immerse themselves in virtual

+44 20 8123 2220
info@marketpublishers.com

worlds through natural body movements. This trend has expanded into other entertainment and immersive experiences, including virtual reality and augmented reality applications. the Global Automotive Gesture Recognition Market's growth is propelled by the integration of this technology into consumer electronics, the demand for touchless interfaces in the pandemic era, its applications in the automotive and industrial sectors, its role in healthcare for sterile environments, and its transformative impact on gaming and entertainment experiences. These drivers, combined with ongoing technological advancements, are expected to continue driving the expansion of the Automotive Gesture Recognition Marketin the years to come.

Key Market Challenges

Complexity and Learning Curve

One of the primary challenges in automotive gesture recognition is the complexity of the system. Drivers and passengers must learn a set of specific gestures and understand how they interact with the vehicle's functions. This learning curve can be steep and may lead to user frustration, especially if the gestures are not intuitive or easy to remember.

Gesture Standardization

There is currently no universal standard for automotive gestures. Different automakers may use their own set of gestures and interpretations for controlling infotainment, climate, and other systems. This lack of standardization can lead to confusion and inconsistency in user experiences, as drivers must adapt to different gesture systems when switching between vehicles.

Accuracy and Reliability

Gesture recognition systems in vehicles must be highly accurate and reliable to ensure driver safety. Misinterpreted gestures or system malfunctions can lead to distractions, potentially resulting in accidents. Ensuring that gestures are recognized correctly in various lighting and driving conditions remains a significant technical challenge.

Environmental Factors

Automotive environments can be challenging for gesture recognition systems. Factors such as sunlight, reflections, and variations in lighting conditions can affect the system's performance. Recognizing gestures reliably in all driving conditions, including low light,

+44 20 8123 2220
info@marketpublishers.com

direct sunlight, or inclement weather, is a critical challenge.

Driver Distraction

While gesture controls aim to reduce driver distraction by minimizing the need to interact with physical buttons or touchscreens, poorly designed or misunderstood gestures can have the opposite effect. Ensuring that gesture-based controls are intuitive and require minimal attention from the driver is essential to mitigate this challenge.

Integration with Existing Interfaces

Most vehicles already feature traditional interfaces like touchscreens, physical buttons, and voice controls. Integrating gesture recognition seamlessly with these existing interfaces while maintaining a consistent user experience presents integration challenges for automakers.

Safety and Regulation

Ensuring that gesture recognition systems meet safety regulations and guidelines is crucial. Regulatory bodies need to establish standards for these technologies to ensure they don't compromise driver safety. Addressing safety concerns, such as the potential for gestures to be misinterpreted while driving, remains a challenge.

Cost of Implementation

Integrating advanced gesture recognition technology into vehicles can be costly. The hardware, software, and sensors required to ensure accurate and reliable gesture recognition can increase the overall production cost of vehicles. Striking a balance between affordability and advanced features is a challenge for automakers. these challenges is essential for the widespread adoption and success of gesture recognition technology in the automotive industry. Automakers, along with technology developers and regulators, must work collaboratively to develop standardized and safe gesture control solutions that enhance the driving experience while prioritizing safety and usability.

Key Market Trends

Enhanced Infotainment Control

+44 20 8123 2220
info@marketpublishers.com

Gesture recognition is increasingly integrated into vehicles to control infotainment systems. Drivers and passengers can adjust audio settings, navigate through menus, and manage multimedia content with simple hand gestures. This trend enhances user convenience and minimizes distractions, contributing to safer driving experiences.

Personalization and User Profiles

Automotive gesture recognition systems are evolving to offer personalized user profiles. These systems can recognize and adapt to individual drivers or passengers, adjusting settings like seat position, climate control, and preferred infotainment content based on user gestures and profiles.

Contactless Interfaces for Hygiene

In the post-pandemic era, there is a growing emphasis on hygiene and touchless interactions in vehicles. Gesture recognition allows users to interact with vehicle systems without physically touching surfaces, reducing the risk of contamination and contributing to a safer cabin environment.

Advanced Driver Assistance Systems (ADAS)

Gesture recognition is being integrated into ADAS to enhance driver monitoring and interaction. This includes features like driver drowsiness detection, where the system can alert the driver based on detected gestures or eye movements, promoting driver safety.

Augmented Reality Head-Up Displays (AR HUDs)

Automotive gesture recognition is playing a crucial role in AR HUDs, providing an immersive and interactive driving experience. Drivers can access navigation information, safety warnings, and other data by making gestures in their field of view, reducing the need to glance at traditional dashboards.

Steering Wheel Gesture Controls

Some automakers are incorporating gesture recognition into the steering wheel itself. Drivers can use hand gestures on the steering wheel to control various functions, such as adjusting volume, changing radio stations, or accepting calls, allowing for more intuitive and accessible controls.

+44 20 8123 2220
info@marketpublishers.com

Interior Monitoring

Gesture recognition technology is being used to monitor the interior of vehicles. It can detect the presence and gestures of occupants, enabling features like automatic adjustment of climate settings based on passenger preferences and the presence of children or pets.

Market Expansion Beyond Premium Vehicles

Initially, gesture recognition was primarily found in premium and luxury vehicles. However, this technology is now making its way into mid-range and even entry-level cars, democratizing the features, and making them more accessible to a broader range of consumers. These trends collectively reflect the industry's commitment to enhancing the driving experience, prioritizing safety, and catering to changing consumer preferences. As gesture recognition technology continues to advance, automakers are likely to expand its integration into various vehicle models, making it a standard feature rather than a luxury option. The future of automotive gesture recognition holds promise for even more intuitive and personalized driving experiences.

Segmental Insights

The Automotive Gesture Recognition Market can be categorized into two primary technologies: touch-based and touchless gesture recognition. Touch-based gesture recognition involves physical contact with devices, typically seen in the tap, swipe, and pinch gestures on touchscreens of smartphones, tablets, and laptops. Touchless gesture recognition, on the other hand, enables users to interact without physical contact through technologies like camera-based recognition (2D and 3D), infrared (IR), and depth sensing (e.g., Time-of-Flight or structured light). Touchless gesture technology is prevalent in applications like gaming, automotive interfaces, and public kiosks, offering hands-free and hygienic interactions.

Gesture recognition technology finds diverse applications across various industries. In the consumer electronics sector, it enhances user experiences in devices like smartphones, tablets, gaming consoles, and smart TVs by allowing users to navigate menus, control media playback, and engage in immersive gaming through gestures. The automotive industry integrates gesture recognition for controlling infotainment systems, climate settings, and navigation, contributing to driver safety and convenience. In healthcare, touchless gesture control is essential for sterile environments in operating

+44 20 8123 2220
info@marketpublishers.com

rooms, remote patient monitoring, and telemedicine. Industries like manufacturing and logistics benefit from gesture controls for machinery and robotics, improving precision and safety. Additionally, the retail sector adopts gesture recognition at self-service kiosks and interactive displays, offering a hygienic and convenient shopping experience.

The Automotive Gesture Recognition Markets segmented based on the industry verticals it serves. In the realm of consumer electronics, the focus lies on integrating gesture recognition technology into devices and gaming consoles to enhance user interactions. The healthcare sector harnesses gesture recognition for touchless control of medical equipment, ensuring sterility during surgical procedures, as well as for remote patient monitoring. Automotive manufacturers leverage gesture controls to enhance in-car infotainment systems and reduce driver distraction. The industrial and manufacturing sector utilizes gesture recognition for human-machine interaction, improving operational efficiency and safety in manufacturing environments. Moreover, the retail and hospitality industry adopts gesture recognition for interactive self-service kiosks, offering customers a seamless and contactless shopping experience. Finally, the gaming and entertainment sector is at the forefront of gesture-based gaming systems, augmented and virtual reality applications, and interactive experiences.

Regionally, the global Automotive Gesture Recognition Market exhibits varying levels of adoption and growth. In North America, notably the United States and Canada, gesture recognition has gained significant traction in consumer electronics, automotive, and healthcare applications. Europe, with prominent markets such as Germany and the United Kingdom, has seen increased integration of gesture recognition in automotive systems and healthcare equipment. The Asia-Pacific region, encompassing countries like China, Japan, and South Korea, has established a strong presence in consumer electronics and gaming applications of gesture recognition. Meanwhile, in the Rest of the World, including regions like the Middle East, Africa, and Latin America, gesture recognition adoption is steadily on the rise, particularly in healthcare and retail sectors, as industries and consumers seek more intuitive and hygienic interaction solutions.

Regional Insights

North America stands as a prominent hub for gesture recognition technology adoption. The United States, in particular, has witnessed substantial growth in this market. The region's strong presence in technology innovation, coupled with a robust consumer electronics market, has driven the integration of gesture recognition into smartphones, tablets, and gaming consoles. Additionally, touchless gesture controls have gained traction in automotive applications, enhancing in-car infotainment systems and

+44 20 8123 2220
info@marketpublishers.com

contributing to road safety. The healthcare sector in North America has also embraced gesture recognition for sterile operating room environments and telemedicine solutions. With ongoing advancements in AI and machine learning, North America remains a key contributor to the Global Automotive Gesture Recognition Market.

Europe is another significant market for gesture recognition technology. Germany and the United Kingdom, in particular, have seen substantial adoption in automotive and healthcare applications. The automotive sector integrates gesture controls to provide drivers with a safer and more intuitive infotainment experience. The healthcare industry employs gesture recognition for touchless control of medical equipment, ensuring sterile conditions during surgical procedures, and for remote patient monitoring. European countries, with their commitment to technological innovation, contribute to the advancement of gesture recognition technology and its integration into various sectors.

The Asia-Pacific region, including countries such as China, Japan, and South Korea, has emerged as a dynamic player in the Global Automotive Gesture Recognition Market. Consumer electronics manufacturers in these countries have been early adopters, integrating gesture recognition into smartphones, tablets, and gaming devices to cater to tech-savvy consumers. The gaming and entertainment sector in Asia-Pacific has also seen substantial growth, with gesture-based gaming systems and augmented reality (AR) applications gaining popularity. Furthermore, the automotive industry has been quick to embrace gesture controls, enhancing the in-car experience. As Asia-Pacific economies continue to thrive, this region is expected to play an increasingly pivotal role in the Global Automotive Gesture Recognition Market.

The Rest of the World, including regions such as the Middle East, Africa, and Latin America, is steadily adopting gesture recognition technology. The healthcare sector in these regions is adopting gesture recognition for telemedicine and remote patient monitoring. Additionally, in retail environments, touchless gesture control is becoming more prevalent at self-service kiosks, providing a hygienic and convenient shopping experience. While the adoption rates may not be as rapid as in some other regions, the potential for growth in RoW is significant. As industries and consumers seek more intuitive and hygienic interaction solutions, the Automotive Gesture Recognition Marketis expected to expand further in these regions.

the global Automotive Gesture Recognition Marketexhibits varying levels of adoption and growth across regions. North America and Europe are leaders in technology innovation and have strong consumer electronics and automotive sectors. Asia-Pacific is rapidly emerging as a major player, driven by a tech-savvy consumer base and a

+44 20 8123 2220
info@marketpublishers.com

growing automotive market. The Rest of the World is steadily adopting gesture recognition technology, with healthcare and retail sectors leading the way. As the technology continues to evolve and find new applications, regional dynamics will likely continue to shift, creating opportunities for innovation and market expansion.

Key Market Players

Cipia Vision Ltd.

Cognitec Systems GmbH

Continental AG

NXP Semiconductors

Qualcomm Technologies, Inc.

Samsung Electronics Co., Ltd

Sony Corporation

Synaptics Incorporated

Usens Inc

Visteon Corporation.

Report Scope:

In this report, the Global Automotive Gesture Recognition Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Gesture Recognition Market, By Technology:

Touch-based Gesture Recognition

Touchless Gesture Recognition

+44 20 8123 2220
info@marketpublishers.com

Gesture Recognition Market, By Application:

Multimedia/Infotainment/Navigation

Lighting Systems

Others

Gesture Recognition Market, By Region:

North America

United States

Canada

Mexico

Europe & CIS

Germany

Spain

France

Russia

Italy

United Kingdom

Belgium

Asia-Pacific

China

India

+44 20 8123 2220
info@marketpublishers.com

Japan

Indonesia

Thailand

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

Turkey

Iran

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Automotive Gesture Recognition Market.

Available Customizations:

Global Automotive Gesture Recognition Marketreport with the given market data, Tech Sci Research offers customizations according to a company's specific needs. The

+44 20 8123 2220
info@marketpublishers.com

following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

+44 20 8123 2220
info@marketpublishers.com

# Contents


## 1. INTRODUCTION

1.1. Product Overview
1.2. Key Highlights of the Report
1.3. Market Coverage
1.4. Market Segments Covered
1.5. Research Tenure Considered

## 2. RESEARCH METHODOLOGY

2.1. Objective of the Study
2.2. Baseline Methodology
2.3. Key Industry Partners
2.4. Major Association and Secondary Sources
2.5. Forecasting Methodology
2.6. Data Triangulation & Validation
2.7. Assumptions and Limitations

## 3. EXECUTIVE SUMMARY

3.1. Market Overview
3.2. Market Forecast
3.3. Key Regions
3.4. Key Segments

## 4. IMPACT OF COVID-19 ON GLOBAL AUTOMOTIVE GESTURE RECOGNITION MARKET

## 5. GLOBAL AUTOMOTIVE GESTURE RECOGNITION MARKET OUTLOOK

5.1. Market Size & Forecast
  5.1.1. By Volume & Value
5.2. Market Share & Forecast
  5.2.1. By Technology (Touch-Based Gesture Recognition, Touchless Gesture Recognition)
  5.2.2. By Application (Multimedia/Infotainment/Navigation, Lighting Systems, and Others)

+44 20 8123 2220
info@marketpublishers.com

5.2.3. By Regional Market Share Analysis
5.2.3.1. Asia-Pacific Market Share Analysis
5.2.3.2. Europe & CIS Market Share Analysis
5.2.3.3. North America Market Share Analysis
5.2.3.4. South America Market Share Analysis
5.2.3.5. Middle East & Africa Market Share Analysis
5.2.4. By Company Market Share Analysis (Top 5 Companies, Others - By Value, 2022)
5.3. Global Automotive Gesture Recognition MarketMapping & Opportunity Assessment
5.3.1. By Technology Market Mapping & Opportunity Assessment
5.3.2. By Application Market Mapping & Opportunity Assessment
5.3.3. By Regional Market Mapping & Opportunity Assessment

## 6. ASIA-PACIFIC AUTOMOTIVE GESTURE RECOGNITION MARKET OUTLOOK

6.1. Market Size & Forecast
6.1.1. By Volume & Value
6.2. Market Share & Forecast
6.2.1. By Technology Market Share Analysis
6.2.2. By Application Market Share Analysis
6.2.3. By Country Market Share Analysis
6.2.3.1. China Market Share Analysis
6.2.3.2. India Market Share Analysis
6.2.3.3. Japan Market Share Analysis
6.2.3.4. Indonesia Market Share Analysis
6.2.3.5. Thailand Market Share Analysis
6.2.3.6. South Korea Market Share Analysis
6.2.3.7. Australia Market Share Analysis
6.2.3.8. Rest of Asia-Pacific Market Share Analysis
6.3. Asia-Pacific: Country Analysis
6.3.1. China Automotive Gesture Recognition Market Outlook
6.3.1.1. Market Size & Forecast
6.3.1.1.1. By Volume & Value
6.3.1.2. Market Share & Forecast
6.3.1.2.1. By Technology Market Share Analysis
6.3.1.2.2. By Application Market Share Analysis
6.3.2. India Automotive Gesture Recognition Market Outlook
6.3.2.1. Market Size & Forecast
6.3.2.1.1. By Volume & Value

+44 20 8123 2220
info@marketpublishers.com

6.3.2.2. Market Share & Forecast
6.3.2.2.1. By Technology Market Share Analysis
6.3.2.2.2. By Application Market Share Analysis
6.3.3. Japan Automotive Gesture Recognition Market Outlook
6.3.3.1. Market Size & Forecast
6.3.3.1.1. By Volume & Value
6.3.3.2. Market Share & Forecast
6.3.3.2.1. By Technology Market Share Analysis
6.3.3.2.2. By Application Market Share Analysis
6.3.4. Indonesia Automotive Gesture Recognition Market Outlook
6.3.4.1. Market Size & Forecast
6.3.4.1.1. By Volume & Value
6.3.4.2. Market Share & Forecast
6.3.4.2.1. By Technology Market Share Analysis
6.3.4.2.2. By Application Market Share Analysis
6.3.5. Thailand Automotive Gesture Recognition Market Outlook
6.3.5.1. Market Size & Forecast
6.3.5.1.1. By Volume & Value
6.3.5.2. Market Share & Forecast
6.3.5.2.1. By Technology Market Share Analysis
6.3.5.2.2. By Application Market Share Analysis
6.3.6. South Korea Automotive Gesture Recognition Market Outlook
6.3.6.1. Market Size & Forecast
6.3.6.1.1. By Volume & Value
6.3.6.2. Market Share & Forecast
6.3.6.2.1. By Technology Market Share Analysis
6.3.6.2.2. By Application Market Share Analysis
6.3.7. Australia Automotive Gesture Recognition Market Outlook
6.3.7.1. Market Size & Forecast
6.3.7.1.1. By Volume & Value
6.3.7.2. Market Share & Forecast
6.3.7.2.1. By Technology Market Share Analysis
6.3.7.2.2. By Application Market Share Analysis

## 7. EUROPE & CIS AUTOMOTIVE GESTURE RECOGNITION MARKET OUTLOOK

7.1. Market Size & Forecast
7.1.1. By Volume & Value
7.2. Market Share & Forecast

+44 20 8123 2220
info@marketpublishers.com

7.2.1. By Technology Market Share Analysis
7.2.2. By Application Market Share Analysis
7.2.3. By Country Market Share Analysis
7.2.3.1. Germany Market Share Analysis
7.2.3.2. Spain Market Share Analysis
7.2.3.3. France Market Share Analysis
7.2.3.4. Russia Market Share Analysis
7.2.3.5. Italy Market Share Analysis
7.2.3.6. United Kingdom Market Share Analysis
7.2.3.7. Belgium Market Share Analysis
7.2.3.8. Rest of Europe & CIS Market Share Analysis
7.3. Europe & CIS: Country Analysis
7.3.1. Germany Automotive Gesture Recognition Market Outlook
7.3.1.1. Market Size & Forecast
7.3.1.1.1. By Volume & Value
7.3.1.2. Market Share & Forecast
7.3.1.2.1. By Technology Market Share Analysis
7.3.1.2.2. By Application Market Share Analysis
7.3.2. Spain Automotive Gesture Recognition Market Outlook
7.3.2.1. Market Size & Forecast
7.3.2.1.1. By Volume & Value
7.3.2.2. Market Share & Forecast
7.3.2.2.1. By Technology Market Share Analysis
7.3.2.2.2. By Application Market Share Analysis
7.3.3. France Automotive Gesture Recognition Market Outlook
7.3.3.1. Market Size & Forecast
7.3.3.1.1. By Volume & Value
7.3.3.2. Market Share & Forecast
7.3.3.2.1. By Technology Market Share Analysis
7.3.3.2.2. By Application Market Share Analysis
7.3.4. Russia Automotive Gesture Recognition Market Outlook
7.3.4.1. Market Size & Forecast
7.3.4.1.1. By Volume & Value
7.3.4.2. Market Share & Forecast
7.3.4.2.1. By Technology Market Share Analysis
7.3.4.2.2. By Application Market Share Analysis
7.3.5. Italy Automotive Gesture Recognition Market Outlook
7.3.5.1. Market Size & Forecast
7.3.5.1.1. By Volume & Value

+44 20 8123 2220
info@marketpublishers.com

7.3.5.2. Market Share & Forecast
7.3.5.2.1. By Technology Market Share Analysis
7.3.5.2.2. By Application Market Share Analysis
7.3.6. United Kingdom Automotive Gesture Recognition Market Outlook
7.3.6.1. Market Size & Forecast
7.3.6.1.1. By Volume & Value
7.3.6.2. Market Share & Forecast
7.3.6.2.1. By Technology Market Share Analysis
7.3.6.2.2. By Application Market Share Analysis
7.3.7. Belgium Automotive Gesture Recognition Market Outlook
7.3.7.1. Market Size & Forecast
7.3.7.1.1. By Volume & Value
7.3.7.2. Market Share & Forecast
7.3.7.2.1. By Technology Market Share Analysis
7.3.7.2.2. By Application Market Share Analysis

## 8. NORTH AMERICA AUTOMOTIVE GESTURE RECOGNITION MARKET OUTLOOK

8.1. Market Size & Forecast
8.1.1. By Volume & Value
8.2. Market Share & Forecast
8.2.1. By Technology Market Share Analysis
8.2.2. By Application Market Share Analysis
8.2.3. By Country Market Share Analysis
8.2.3.1. United States Market Share Analysis
8.2.3.2. Mexico Market Share Analysis
8.2.3.3. Canada Market Share Analysis
8.3. North America: Country Analysis
8.3.1. United States Automotive Gesture Recognition Market Outlook
8.3.1.1. Market Size & Forecast
8.3.1.1.1. By Volume & Value
8.3.1.2. Market Share & Forecast
8.3.1.2.1. By Technology Market Share Analysis
8.3.1.2.2. By Application Market Share Analysis
8.3.2. Mexico Automotive Gesture Recognition Market Outlook
8.3.2.1. Market Size & Forecast
8.3.2.1.1. By Volume & Value
8.3.2.2. Market Share & Forecast
8.3.2.2.1. By Technology Market Share Analysis

+44 20 8123 2220
info@marketpublishers.com

8.3.2.2.2. By Application Market Share Analysis
8.3.3. Canada Automotive Gesture Recognition Market Outlook
8.3.3.1. Market Size & Forecast
8.3.3.1.1. By Volume & Value
8.3.3.2. Market Share & Forecast
8.3.3.2.1. By Technology Market Share Analysis
8.3.3.2.2. By Application Market Share Analysis

## 9. SOUTH AMERICA AUTOMOTIVE GESTURE RECOGNITION MARKET OUTLOOK

9.1. Market Size & Forecast
9.1.1. By Volume & Value
9.2. Market Share & Forecast
9.2.1. By Technology Market Share Analysis
9.2.2. By Application Market Share Analysis
9.2.3. By Country Market Share Analysis
9.2.3.1. Brazil Market Share Analysis
9.2.3.2. Argentina Market Share Analysis
9.2.3.3. Colombia Market Share Analysis
9.2.3.4. Rest of South America Market Share Analysis
9.3. South America: Country Analysis
9.3.1. Brazil Automotive Gesture Recognition Market Outlook
9.3.1.1. Market Size & Forecast
9.3.1.1.1. By Volume & Value
9.3.1.2. Market Share & Forecast
9.3.1.2.1. By Technology Market Share Analysis
9.3.1.2.2. By Application Market Share Analysis
9.3.2. Colombia Automotive Gesture Recognition Market Outlook
9.3.2.1. Market Size & Forecast
9.3.2.1.1. By Volume & Value
9.3.2.2. Market Share & Forecast
9.3.2.2.1. By Technology Market Share Analysis
9.3.2.2.2. By Application Market Share Analysis
9.3.3. Argentina Automotive Gesture Recognition Market Outlook
9.3.3.1. Market Size & Forecast
9.3.3.1.1. By Volume & Value
9.3.3.2. Market Share & Forecast
9.3.3.2.1. By Technology Market Share Analysis
9.3.3.2.2. By Application Market Share Analysis

+44 20 8123 2220
info@marketpublishers.com

## 10. MIDDLE EAST & AFRICA AUTOMOTIVE GESTURE RECOGNITION MARKET OUTLOOK

10.1. Market Size & Forecast
10.1.1. By Volume & Value
10.2. Market Share & Forecast
10.2.1. By Technology Market Share Analysis
10.2.2. By Application Market Share Analysis
10.2.3. By Country Market Share Analysis
10.2.3.1. Turkey Market Share Analysis
10.2.3.2. Iran Market Share Analysis
10.2.3.3. Saudi Arabia Market Share Analysis
10.2.3.4. UAE Market Share Analysis
10.2.3.5. Rest of Middle East & Africa Market Share Africa
10.3. Middle East & Africa: Country Analysis
10.3.1. Turkey Automotive Gesture Recognition Market Outlook
10.3.1.1. Market Size & Forecast
10.3.1.1.1. By Volume & Value
10.3.1.2. Market Share & Forecast
10.3.1.2.1. By Technology Market Share Analysis
10.3.1.2.2. By Application Market Share Analysis
10.3.2. Iran Automotive Gesture Recognition Market Outlook
10.3.2.1. Market Size & Forecast
10.3.2.1.1. By Volume & Value
10.3.2.2. Market Share & Forecast
10.3.2.2.1. By Technology Market Share Analysis
10.3.2.2.2. By Application Market Share Analysis
10.3.3. Saudi Arabia Automotive Gesture Recognition Market Outlook
10.3.3.1. Market Size & Forecast
10.3.3.1.1. By Volume & Value
10.3.3.2. Market Share & Forecast
10.3.3.2.1. By Technology Market Share Analysis
10.3.3.2.2. By Application Market Share Analysis
10.3.4. UAE Automotive Gesture Recognition Market Outlook
10.3.4.1. Market Size & Forecast
10.3.4.1.1. By Volume & Value
10.3.4.2. Market Share & Forecast
10.3.4.2.1. By Technology Market Share Analysis

+44 20 8123 2220
info@marketpublishers.com

10.3.4.2.2. By Application Market Share Analysis

**11. SWOT ANALYSIS**

11.1. Strength
11.2. Weakness
11.3. Opportunities
11.4. Threats

**12. MARKET DYNAMICS**

12.1. Market Drivers
12.2. Market Challenges

**13. MARKET TRENDS AND DEVELOPMENTS**

**14. COMPETITIVE LANDSCAPE**

14.1. Company Profiles (Up to 10 Major Companies)
14.1.1. Cipia Vision Ltd.
14.1.1.1. Company Details
14.1.1.2. Key Product Offered
14.1.1.3. Financials (As Per Availability)
14.1.1.4. Recent Developments
14.1.1.5. Key Management Personnel
14.1.2. Cognitec Systems GmbH
14.1.2.1. Company Details
14.1.2.2. Key Product Offered
14.1.2.3. Financials (As Per Availability)
14.1.2.4. Recent Developments
14.1.2.5. Key Management Personnel
14.1.3. Continental AG
14.1.3.1. Company Details
14.1.3.2. Key Product Offered
14.1.3.3. Financials (As Per Availability)
14.1.3.4. Recent Developments
14.1.3.5. Key Management Personnel
14.1.4. NXP Semiconductors
14.1.4.1. Company Details

+44 20 8123 2220
info@marketpublishers.com

14.1.4.2. Key Product Offered
14.1.4.3. Financials (As Per Availability)
14.1.4.4. Recent Developments
14.1.4.5. Key Management Personnel
14.1.5. Qualcomm Technologies, Inc
14.1.5.1. Company Details
14.1.5.2. Key Product Offered
14.1.5.3. Financials (As Per Availability)
14.1.5.4. Recent Developments
14.1.5.5. Key Management Personnel
14.1.6. Samsung Electronics Co., Ltd
14.1.6.1. Company Details
14.1.6.2. Key Product Offered
14.1.6.3. Financials (As Per Availability)
14.1.6.4. Recent Developments
14.1.6.5. Key Management Personnel
14.1.7. Sony Corporation
14.1.7.1. Company Details
14.1.7.2. Key Product Offered
14.1.7.3. Financials (As Per Availability)
14.1.7.4. Recent Developments
14.1.7.5. Key Management Personnel
14.1.8. Synaptics Incorporated
14.1.8.1. Company Details
14.1.8.2. Key Product Offered
14.1.8.3. Financials (As Per Availability)
14.1.8.4. Recent Developments
14.1.8.5. Key Management Personnel
14.1.9. Usens Inc
14.1.9.1. Company Details
14.1.9.2. Key Product Offered
14.1.9.3. Financials (As Per Availability)
14.1.9.4. Recent Developments
14.1.9.5. Key Management Personnel
14.1.10. Visteon Corporation
14.1.10.1. Company Details
14.1.10.2. Key Product Offered
14.1.10.3. Financials (As Per Availability)
14.1.10.4. Recent Developments

+44 20 8123 2220
info@marketpublishers.com

14.1.10.5. Key Management Personnel

**15. STRATEGIC RECOMMENDATIONS**

15.1. Key Focus Areas
15.1.1. Target Regions
15.1.2. Target Technology
15.1.3. Target Application

**16. ABOUT US & DISCLAIMER**

+44 20 8123 2220
info@marketpublishers.com

## I would like to order

Product name: Automotive Gesture Recognition Market– Global Industry Size, Share, Trends Opportunity, and Forecast 2018-2028 Segmented By Technology (Touch-Based Gesture Recognition, Touchless Gesture Recognition), By Application (Multimedia/Infotainment/Navigation, Lighting Systems, and Others), By Regional, Competition

Product link: https://marketpublishers.com/r/A46A01289934EN.html

Price: US$ 4,900.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/A46A01289934EN.html

## To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

**All fields are required

Custumer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at https://marketpublishers.com/docs/terms.html

+44 20 8123 2220
info@marketpublishers.com

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970