

Automotive HMI Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

Market Overview:

The global automotive HMI market size reached US\$ 19.5 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 36.8 Billion by 2028, exhibiting a growth rate (CAGR) of 10.4% during 2023-2028.

The automotive human-machine interface (HMI) includes exclusive features, applications, and user interface that enables drivers and passengers to interact, engage and connect with the vehicle systems and linked components for controlling automobiles. It involves display units, sensors, speech recognition solutions, advanced driver assistance systems (ADAS), steering-mounted controls, navigation touchscreens, and visual and acoustic interfaces. Automotive HMI offers better vehicle control, translates user input, and provides information regarding the surroundings. Apart from this, the system is secure, easy to use, and customizable, due to which it is extensively installed in passenger and commercial vehicles. At present, it is commercially categorized based on varying functions and access types, including standard and multimodal HMI.

Automotive HMI Market Trends:

With the substantial expansion in the automotive industry, there has been an increasing demand for customized in-vehicle digital systems and autonomous automobiles to improve the driving experience. This, in turn, represents a prime factor driving the automotive HMI market growth. In line with this, the introduction of a head-up display (HUD) with three-dimensional (3D) and two-dimensional (2D) graphics to visualize

vehicle potential movement and provide information regarding speed limit is acting as another growth-inducing factor. Moreover, the large-scale integration of augmented reality (AR), artificial intelligence (AI), and various HMI technologies, including keyless entry, power seat controls, occupation detection, and voice recognition systems, are supporting the market growth. Additionally, the rising instances of road accidents have further supplemented the widespread installation of automotive HMI in commercial and passenger vehicles to ensure safer driving, which is contributing to the market growth. Besides this, strategic collaborations amongst original equipment manufacturers (OEMs) to engineer new user experience/user interface (UX/UI) designs for enabling human-vehicle interactions are creating a positive outlook for the market.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global automotive HMI market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on product, access type, technology and vehicle type.

Breakup by Product:

Instrument Cluster

Central Display

Head-Up Display

Others

Breakup by Access Type:

Standard

Multimodal

Breakup by Technology:

Visual Interface

Acoustic

Mechanical

Others

Breakup by Vehicle Type:

Passenger Cars

Commercial Vehicles

Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Alps Electric Co. Ltd., Capgemini Engineering (Capgemini SE), Continental Aktiengesellschaft, DENSO Corporation, EAO AG, Faurecia Clarion Electronics Co. Ltd. (Faurecia SE), Harman International Industries (Samsung Electronics Co. Ltd.), Luxoft (DXC Technology), Marelli Holdings Co. Ltd., Panasonic Holdings Corporation, Robert Bosch GmbH (Robert Bosch Stiftung GmbH), Valeo and Visteon Corporation.

Key Questions Answered in This Report:

How has the global automotive HMI market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global automotive HMI market?

What are the key regional markets?

What is the breakup of the market based on the product?

What is the breakup of the market based on the access type?

What is the breakup of the market based on the technology?

What is the breakup of the market based on the vehicle type?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global automotive HMI market and who are the key players?

What is the degree of competition in the industry?

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