

Global Head-Up Displays (HUDs) Market 2018 by Manufacturers, Regions, Type and Application, Forecast to 2023

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Abstracts

A heads-up display (HUD) is a transparent or miniaturized display technology that does not require users to shift their gaze from where they are naturally looking. A HUD should not obstruct the user's view. This is typically achieved by the use of projected or reflected transparent displays in line-of-sight.

SCOPE OF THE REPORT:

This report focuses on the Head-Up Displays (HUDs) in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application. Head Up Displays (HUDs) were designed originally to present at the usual viewpoints of the pilot the main sensor data during aircraft missions, because of placing instrument information in the forward field of view enhances pilots ability to utilize both instrument and environmental information simultaneously.

The first civilian motor vehicle had a monochrome HUD that was released in 1988 by General Motors as a technological improvement of HeadDown Display (HDD) interface, which is commonly used in automobile industry. The HUD reduces the number and duration of the drivers sight deviations from the road, by projecting the required information directly into the drivers line of vision. There are many studies about ways of presenting the information: standard oneearpiece presentation, threedimensional audio presentation, visual only or audiovisual presentation. Results have shown that using a 3D auditory display the time of acquiring targets is approximately 2.2 seconds faster than using a oneearpiece way. Nevertheless, a disadvantage is when the drivers attention unconsciously shifts away from the road and goes focused on processing the information presented by the HUD. By this reason, the time, the way and the channel

are important to represent the information on a HUD. A solution is a context aware multimodal proactive recommended system that features personalized content combined with the use of car sensors to determine when the information has to be presented.

The worldwide market for Head-Up Displays (HUDs) is expected to grow at a CAGR of roughly xx% over the next five years, will reach xx million US\$ in 2023, from xx million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

Visteon group

Toshiba corporation

Thales Sa

Robert Bosch

Rockwell Collins Inc.

Micro vision Inc.

Nippon Seiki Co Ltd

Honeywell Aerospace Inc.

Garmin Ltd

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Cathode Ray Tube(CRT)

Light emitting diode(LED)

Micro-Electro Mechanical System(MEMS)

Optical Waveguide

Organic light-emitting diode(OLED)

Market Segment by Applications, can be divided into

Automotive

Aviation

Wearables

Other

There are 15 Chapters to deeply display the global Head-Up Displays (HUDs) market.

Chapter 1, to describe Head-Up Displays (HUDs) Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Head-Up Displays (HUDs), with sales, revenue, and price of Head-Up Displays (HUDs), in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of Head-Up Displays (HUDs), for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Head-Up Displays (HUDs) market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Head-Up Displays (HUDs) sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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