

Head-Mounted Display Market Report and Forecast 2025-2034

Market Report | 2025-08-11 | 165 pages | EMR Inc.

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Report description:

The global head-mounted display market attained the value of about USD 30.30 Billion in 2024. The market is expected to grow at a CAGR of 35.80% in the forecast period of 2025-2034, to attain nearly USD 646.31 Billion by 2034.

The Rising Demand for the Display Component to Bolster the Growth of the Head-Mounted Display Industry

Based on component, the display segment accounts for a significant share in the market and is anticipated to grow at a considerable rate in the forecast period. The display is one of the basic and integral components of the head-mounted display through which, a user can experience the augmented and virtual reality.

One of the major advantages of the display includes the easy assembly and set up. The low storage costs, no labour costs and zero transportation costs make it convenient to ship almost anywhere around the world. The product is lightweight, rugged, durable, flexible, adaptable, and re-usable. Over the forecast period, the growing advancements in the display systems, coupled with the emergence of major display manufacturers is likely to be a significant factor driving the market growth.

North America Accounts for a Significant Share in the Market

The head-mounted display industry in North America is driven by the growing investments in the product by major companies. The rapid expansion of various end use industries of the product is likely to augment the market in the region. In the United States of America, the product is gaining considerable traction, owing to the adoption of new technologies and growing expansion of major companies in the country. The market in the region is further expected to be aided by the technological advancements in the education sector, which is likely to propel the demand for the product.

Head-Mounted Display: Market Segmentation

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A head-mounted display (HMD) is defined as a projection technology, which is mounted on a hat or helmet. This technology is aimed at bolstering the experience of the user in whatever experience the display is meant for. In other words, a head-mounted display superimposes the image of the user's view of the real world.

Based on type, the market is segmented into:

- Slide-on HMD
- Discrete HMD
- Integrated HMD

By technology, the industry is divided into:

- Augmented Reality
- Virtual Reality

The major components in the head-mounted display industry include:

- Processors and Memory
- Displays
- Lenses
- Sensors
- Controllers
- Cameras
- Cases and Connectors
- Others

On the basis of connectivity, the market is divided into:

- Wired
- Wireless

The different products of the head-mounted display are:

- Head-Mounted Display
- Head Mounted Computing/ Wearable Glasses

The significant applications of the head-mounted display include:

- Security
- Tracking
- Training and Simulation
- Imaging

The various end-users of the product include:

- Consumer

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- Commercial
- Enterprise and Industry
- Engineering and Design
- Healthcare
- Aerospace and Defence
- Education
- Others

The regional markets for the product include:

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

The Rising Applications of the Product in the Video Gaming Industry to Boost the Growth of the Head-Mounted Display Industry

The global head-mounted display industry is driven by the rising application of the product in the video games industry. The HMD has the ability to augment the gaming experience by providing a 3D view which projects the imaging in the gaming screens like real-world. This enhances the quality of gaming. Over the forecast period, the increasing spending on the video game industry, owing to the growing adoption of gaming consoles, rising number of national level video gaming competitions, and the growing popularity of video games among the youth, are likely to bolster the demand for HMD. The market is further expected to be aided by the rising demand for HMD from the advertising and marketing sector. HMD has the potential to appeal the customers by providing them enhanced and eye-catching view of the product.

Key Industry Players in the Global Head-Mounted Display Market

The report gives a detailed analysis of the following key players in the global head-mounted display market, covering their competitive landscape, capacity, and latest developments like mergers, acquisitions, and investments, expansions of capacity, and plant turnarounds:

- Sony Corporation
- Microsoft Corporation
- Oculus (Facebook Technologies, LLC)
- Aniwaa Pte. Ltd.
- Magic Leap, Inc.
- Levono Group
- Samsung Electronics Co., Ltd.
- Others

The comprehensive EMR report provides an in-depth assessment of the market based on the Porter's five forces model along with giving a SWOT analysis.

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