

# **Global Microdisplay Market Size study, by Technology Outlook (OLED, LCD, DLP, LCoS) by Projection Outlook (Near-to-Eye, Projection, Other) by Application Outlook (Consumer Electronics, Military & Defence, Medical, Industrial, Automotive, Others) and Regional Forecasts 2021-2027**

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## **Abstracts**

Global Microdisplay Market is valued approximately USD 0.94 billion in 2020 and is anticipated to grow with a healthy growth rate of more than 19.1% over the forecast period 2021-2027. Microdisplays are miniature display units with microscale screen sizes and resolution. Because of their small size, they can be utilized in a variety of applications demanding a small screen, such as head-mounted displays and camera phones. The growing use of OLED microdisplays in the commercial electronics and automotive sectors is a prominent trend in the microdisplay market. OLED microdisplays are increasingly being used in consumer electronics, particularly VR devices, which are gaining popularity due to their small size, improved image quality, and high definition. In 2020, Panasonic Corporation claimed that it has developed the world's first high dynamic range (HDR) ultra-high-definition (UHD) VR spectacles. They have a micro-OLED panel designed in collaboration along with Kopin Corporation. One of the main drivers of demand for these products is the expanding market for AR and VR devices in the mainstream press, amusement, and gaming industries. Similarly, the growing use of head-up displays (HUDs) in the military and automotive sectors is propelling the sale of microdisplays. At the Augmented World Expo 2019, RAONTECH Inc. introduced a 0.37-inch LCoS microdisplay screen with a resolution of 1080 pixels. That is used in mini-projectors, head-mounted displays, and augmented reality devices. During the projected period, the introduction of microdisplay-based holographic displays is also expected to boost market growth. Microdisplays are increasingly being used in

military and defense, consumer electronics, and medical applications due to their high resolution and outstanding dynamic range, low power consumption, and small size. As a result of these advantages, the worldwide microdisplay market is predicted to rise substantially in the coming years. However, the high production and processing expenses associated with microdisplays are expected to stifle market growth. Also, the rising popularity of wristbands and fitness bands among individuals for a spectrum of uses such as health monitoring, lifestyle assistance, entertainment, and constructive approach is likely to boost demand for microdisplays.

North America accounted for holds domination position in the market. The increased use of ICT technologies in the education field is beginning to transform conventional teaching instruction, driving the regional market. The United States' high military spending (approximately 4.0 percent of total GDP) is driving up spending on microdisplay application areas such as night vision HUDs and remote sensing. Microdisplays are in high demand in APAC, particularly for usage in cameras/EVF, projectors, and head-up displays (HUD). Rapid industrialization, as well as the availability of a significant number of OEMs and customers, have all contributed to the expansion of the APAC microdisplay market. The key industries in APAC that serve immensely to economic growth of the microdisplay market are retail, commercial & enterprise, automotive, and military, defence & aviation.

Major market player included in this report are:

INT Tech Co. Ltd.  
Panasonic Corporation  
Jade Bird Display  
Epistar Corporation  
MiclediMicrodisplays BV  
Optovate Ltd.  
Plessey Semiconductors Ltd.  
PRP Optoelectronics Ltd.  
Ritdisplay Corporation  
Syndiant

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report

shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Technology Outlook:

OLED

LCD

DLP

LCoS

By Projection Outlook:

Near-to-Eye

Projection

Others

By Application Outlook:

Consumer Electronics

Military & Defence

Medical

Industrial

Automotive

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil  
Mexico  
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019  
Base year – 2020  
Forecast period – 2021 to 2027

Target Audience of the Global MicrodisplayMarket in Market Study:

Key Consulting Companies & Advisors  
Large, medium-sized, and small enterprises  
Venture capitalists  
Value-Added Resellers (VARs)  
Third-party knowledge providers  
Investment bankers  
Investors

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