

# **Global Microdisplays Market Size Study, by Product (Near-To-Eye, Projection, Others), by Technology (LCD, OLED, LCoS, DLP), by Application (Consumer Electronics, Automotive, Military & Defense, Medical Applications, Industrial Systems, Others), and Regional Forecasts 2022–2032**

<https://marketpublishers.com/r/GEFD4B8571C0EN.html>

Date: January 2025

Pages: 285

Price: US\$ 3,218.00 (Single User License)

ID: GEFD4B8571C0EN

## **Abstracts**

The global microdisplays market, valued at approximately USD 1.1 billion in 2023, is poised to grow at a robust CAGR of 18.2% during the forecast period 2024–2032. The surging demand for compact and high-resolution display technologies, along with advancements in augmented reality (AR) and virtual reality (VR) solutions, has been a major growth driver. Additionally, increasing adoption of near-to-eye displays in wearable devices, head-up displays (HUDs), and advanced driver-assistance systems (ADAS) across various industries is expected to propel market growth.

The rising integration of microdisplays in consumer electronics, automotive systems, and healthcare equipment underscores their significance. Near-to-eye displays dominated the product segment in 2023 due to their application in AR/VR systems, offering high pixel density and compact design. Furthermore, advancements in OLED and Liquid Crystal on Silicon (LCoS) technologies are anticipated to create significant growth opportunities in projection systems and wearable displays.

Regionally, North America accounted for a substantial share in 2023, driven by technological innovation and the widespread adoption of AR/VR devices. Asia Pacific is projected to exhibit the fastest growth during the forecast period, owing to the increasing demand for consumer electronics and automotive advancements in key countries such as China, Japan, and India.

Key players, including LG DISPLAY CO., LTD., eMagin (Samsung Display), Sony Corporation, Kopin Corporation, and AUO Corporation, are driving the competitive landscape with strategies centered on innovation, strategic collaborations, and global market expansion.

Major market players included in this report are:

LG DISPLAY CO., LTD.

eMagin (Samsung Display)

Sony Corporation

Kopin Corporation

AUO Corporation

Micron Technology, Inc.

Himax Technologies, Inc.

Syndiant

Universal Display

MicroVision

Emerging competitors

The detailed segments and sub-segment of the market are explained below:

By Product

Near-To-Eye

Projection

Others

## By Technology

Liquid Crystal Display (LCD)

Organic Light-emitting Diode (OLED)

Liquid Crystal on Silicon (LCoS)

Digital Light Processing (DLP)

## By Application

Consumer Electronics

Military & Defense

Medical Applications

Industrial Systems

Automotive

Others

## By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe (ROE)

Asia Pacific

China

India

Japan

South Korea

Australia

Rest of Asia Pacific (RoAPAC)

Latin America

Brazil

Mexico

Rest of Latin America

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa (RoMEA)

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Comprehensive revenue forecasts and regional-level insights.

Analysis of market trends and drivers across key segments.

Strategic insights into competitive dynamics and leading companies.

Regional breakdown and country-specific market insights.

## Contents

### **CHAPTER 1. GLOBAL MICRODISPLAYS MARKET EXECUTIVE SUMMARY**

- 1.1. Global Microdisplays Market Size & Forecast (2022–2032)
- 1.2. Regional Summary
- 1.3. Segmental Summary
  - 1.3.1. By Product
  - 1.3.2. By Technology
  - 1.3.3. By Application
- 1.4. Key Trends
- 1.5. Recession Impact
- 1.6. Analyst Recommendations & Conclusion

### **CHAPTER 2. GLOBAL MICRODISPLAYS MARKET DEFINITION AND RESEARCH ASSUMPTIONS**

- 2.1. Research Objective
- 2.2. Market Definition
- 2.3. Research Assumptions
  - 2.3.1. Inclusion & Exclusion
  - 2.3.2. Limitations
- 2.4. Estimation Methodology
- 2.5. Years Considered for the Study
- 2.6. Currency Conversion Rates

### **CHAPTER 3. GLOBAL MICRODISPLAYS MARKET DYNAMICS**

- 3.1. Market Drivers
  - 3.1.1. Rising adoption of AR/VR technologies
  - 3.1.2. Demand for compact, high-resolution displays
  - 3.1.3. Integration of microdisplays in automotive applications
- 3.2. Market Challenges
  - 3.2.1. High production costs of advanced displays
  - 3.2.2. Limited penetration in developing regions
- 3.3. Market Opportunities
  - 3.3.1. Innovations in OLED and LCoS technologies
  - 3.3.2. Expanding applications in healthcare and industrial sectors

## **CHAPTER 4. GLOBAL MICRODISPLAYS MARKET INDUSTRY ANALYSIS**

- 4.1. Porter's 5 Forces Model
  - 4.1.1. Bargaining Power of Suppliers
  - 4.1.2. Bargaining Power of Buyers
  - 4.1.3. Threat of New Entrants
  - 4.1.4. Threat of Substitutes
  - 4.1.5. Competitive Rivalry
- 4.2. PESTEL Analysis
  - 4.2.1. Political
  - 4.2.2. Economic
  - 4.2.3. Social
  - 4.2.4. Technological
  - 4.2.5. Environmental
  - 4.2.6. Legal
- 4.3. Investment Opportunities
- 4.4. Analyst Recommendations

## **CHAPTER 5. GLOBAL MICRODISPLAYS MARKET SIZE & FORECAST BY PRODUCT (2022–2032)**

- 5.1. Segment Dashboard
- 5.2. Near-To-Eye
- 5.3. Projection
- 5.4. Others

## **CHAPTER 6. GLOBAL MICRODISPLAYS MARKET SIZE & FORECAST BY TECHNOLOGY (2022–2032)**

- 6.1. Segment Dashboard
- 6.2. Liquid Crystal Display (LCD)
- 6.3. Organic Light-emitting Diode (OLED)
- 6.4. Liquid Crystal on Silicon (LCoS)
- 6.5. Digital Light Processing (DLP)

## **CHAPTER 7. GLOBAL MICRODISPLAYS MARKET SIZE & FORECAST BY APPLICATION (2022–2032)**

- 7.1. Segment Dashboard

- 7.2. Consumer Electronics
- 7.3. Military & Defense
- 7.4. Medical Applications
- 7.5. Industrial Systems
- 7.6. Automotive
- 7.7. Others

## **CHAPTER 8. GLOBAL MICRODISPLAYS MARKET SIZE & FORECAST BY REGION (2022–2032)**

- 8.1. North America
  - 8.1.1. U.S.
  - 8.1.2. Canada
- 8.2. Europe
  - 8.2.1. UK
  - 8.2.2. Germany
  - 8.2.3. France
- 8.3. Asia Pacific
  - 8.3.1. China
  - 8.3.2. India
  - 8.3.3. Japan
- 8.4. Latin America
  - 8.4.1. Brazil
  - 8.4.2. Mexico
- 8.5. Middle East & Africa
  - 8.5.1. Saudi Arabia
  - 8.5.2. South Africa

## **CHAPTER 9. COMPETITIVE INTELLIGENCE**

- 9.1. Key Company SWOT Analysis
  - 9.1.1. LG DISPLAY CO., LTD.
  - 9.1.2. Sony Corporation
  - 9.1.3. eMagin (Samsung Display)
- 9.2. Top Market Strategies

## **CHAPTER 10. RESEARCH PROCESS**

- 10.1. Research Process



- 10.1.1. Data Mining
- 10.1.2. Analysis
- 10.1.3. Market Estimation
- 10.1.4. Validation
- 10.1.5. Publishing
- 10.2. Research Attributes
  - 10.2.1. Primary Research
  - 10.2.2. Secondary Research
  - 10.2.3. Data Sources
- 10.3. Research Assumptions

## **12. LIST OF TABLES**

### **1. GLOBAL MICRODISPLAYS MARKET, REPORT SCOPE**

### **2. GLOBAL MICRODISPLAYS MARKET ESTIMATES & FORECASTS BY REGION (2022–2032) (USD MILLION/BILLION)**

### **3. GLOBAL MICRODISPLAYS MARKET ESTIMATES & FORECASTS BY PRODUCT (2022–2032) (USD MILLION/BILLION)**

### **4. GLOBAL MICRODISPLAYS MARKET ESTIMATES & FORECASTS BY TECHNOLOGY (2022–2032) (USD MILLION/BILLION)**

### **5. GLOBAL MICRODISPLAYS MARKET ESTIMATES & FORECASTS BY APPLICATION (2022–2032) (USD MILLION/BILLION)**

### **6. REGIONAL MICRODISPLAYS MARKET SHARE ANALYSIS BY KEY COUNTRIES (2023) (USD MILLION/BILLION)**

### **7. SEGMENT ANALYSIS OF NEAR-TO-EYE MICRODISPLAYS (2022–2032)**

### **8. SEGMENT ANALYSIS OF PROJECTION MICRODISPLAYS (2022–2032)**

### **9. LCD TECHNOLOGY REVENUE ANALYSIS BY REGION (2022–2032)**

### **10. OLED TECHNOLOGY REVENUE ANALYSIS BY APPLICATION (2022–2032)**

### **11. LCOS TECHNOLOGY REVENUE ANALYSIS BY REGION (2022–2032)**

**12. MARKET IMPACT ANALYSIS OF AR/VR APPLICATIONS (2023–2032)****13. COUNTRY-WISE MARKET TRENDS FOR AUTOMOTIVE MICRODISPLAYS (2023–2032)****14. COMPARISON OF ADOPTION RATES OF KEY MICRODISPLAY TECHNOLOGIES (2022–2032)****15. MARKET PENETRATION OF MEDICAL MICRODISPLAYS BY COUNTRY (2023)****16. GLOBAL CONSUMER ELECTRONICS TRENDS BY PRODUCT (2022–2032)****17. AUTOMOTIVE HUD ADOPTION RATES BY REGION (2022–2032)****18. INVESTMENT IN MICRODISPLAY R&D BY REGION (2023–2032)****19. COMPANY REVENUE SHARE ANALYSIS (2023)****20. COMPETITIVE STRATEGIES OF MAJOR MARKET PLAYERS (2023)**

(Note: This list is not exhaustive. The final report includes more than 100 tables, subject to updates in the deliverable.)

**12. LIST OF FIGURES****1. GLOBAL MICRODISPLAYS MARKET RESEARCH METHODOLOGY****2. GLOBAL MICRODISPLAYS MARKET ESTIMATION TECHNIQUES****3. GLOBAL MICRODISPLAYS MARKET SIZE FORECAST METHODOLOGY****4. TRENDS IN ADOPTION OF AR/VR MICRODISPLAYS (2022–2032)****5. NEAR-TO-EYE MICRODISPLAYS REVENUE SHARE BY REGION (2023)****6. GLOBAL MICRODISPLAYS MARKET COMPETITIVE LANDSCAPE (2023)****7. TECHNOLOGY ADOPTION CURVE FOR MICRODISPLAYS (2023–2032)**

*Global Microdisplays Market Size Study, by Product (Near-To-Eye, Projection, Others), by Technology (LCD, OLED...*

- 8. COMPARISON OF OLED AND LCD TECHNOLOGY APPLICATIONS (2023)**
- 9. MARKET DYNAMICS IMPACT ANALYSIS (DRIVERS, CHALLENGES, OPPORTUNITIES)**
- 10. REVENUE GROWTH OF CONSUMER ELECTRONICS SEGMENT BY REGION (2023–2032)**
- 11. AUTOMOTIVE APPLICATION REVENUE ANALYSIS BY TECHNOLOGY (2023–2032)**
- 12. LCD MICRODISPLAY TRENDS IN MILITARY APPLICATIONS (2023–2032)**
- 13. OLED MICRODISPLAYS PENETRATION IN WEARABLE DEVICES (2023)**
- 14. ANALYSIS OF PROJECTION MICRODISPLAYS FOR ENTERPRISE APPLICATIONS (2023–2032)**
- 15. HEALTHCARE MARKET PENETRATION OF MICRODISPLAYS BY COUNTRY (2023)**
- 16. GROWTH PROSPECTS IN EMERGING MARKETS (2023–2032)**
- 17. GLOBAL MICRODISPLAYS VALUE CHAIN ANALYSIS**
- 18. AR/VR MICRODISPLAYS INVESTMENT TRENDS BY MAJOR COMPANIES (2023–2032)**
- 19. REGIONAL CONTRIBUTION TO MICRODISPLAYS REVENUE BY SEGMENT (2023)**
- 20. REGIONAL MARKET SHARE ANALYSIS OF MICRODISPLAYS MANUFACTURERS (2023)**

(Note: This list is not exhaustive. The final report includes more than 50 figures, subject to updates in the deliverable.)

## I would like to order

Product name: Global Microdisplays Market Size Study, by Product (Near-To-Eye, Projection, Others), by Technology (LCD, OLED, LCoS, DLP), by Application (Consumer Electronics, Automotive, Military & Defense, Medical Applications, Industrial Systems, Others), and Regional Forecasts 2022–2032

Product link: <https://marketpublishers.com/r/GEFD4B8571C0EN.html>

Price: US\$ 3,218.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GEFD4B8571C0EN.html>