

# Global Silicon-based Micro-LED Market Growth 2026-2032

<https://marketpublishers.com/r/GA3E60FAB4E0EN.html>

Date: May 2026

Pages: 172

Price: US\$ 3,660.00 (Single User License)

ID: GA3E60FAB4E0EN

## Abstracts

The global Silicon-based Micro-LED market size is predicted to grow from US\$ 160 million in 2025 to US\$ 733 million in 2032; it is expected to grow at a CAGR of 24.4% from 2026 to 2032.

Silicon-based LED technology is a technique for generating countless micrometer-sized LEDs on a silicon substrate. Due to its superior brightness, this technology is considered the future of microdisplays for VR, XR, and MR devices. Current blue quantum dot silicon-based LED technology involves forming a blue LED emitting layer on a CMOS panel or its back surface, then covering it with different quantum dot materials to convert blue light into red and green light; microlenses are placed at the top of the pixels to enhance brightness. Another three-color combining technology uses independent silicon-based R, G, and B emitting diodes arranged perpendicularly to each other, but this technology requires waveguide elements to control the direction of light. The ideal approach is a monolithic silicon-based LED panel, where the R, G, and B emitting diodes can be deposited together on the surface of a CMOS or glass substrate, but this requires high-temperature epitaxial growth processes. Silicon-based Micro-LED is a type of display and light source technology that fabricates micro-light-emitting diodes (Micro-LEDs) on a silicon substrate. Unlike traditional LED manufacturing processes using sapphire and silicon wafers, silicon-based micro-LEDs can utilize existing silicon semiconductor processing techniques to achieve high-integration co-manufacturing with CMOS circuits, improving pixel-level control precision, yield, and reliability. Silicon-based micro-LEDs offer advantages such as extremely high brightness, wide color gamut, and low power consumption, and are considered a core technology platform for next-generation micro-displays and displays, particularly suitable for high-end display applications such as AR/VR near-eye displays, smart wearable devices, automotive head-up displays (HUDs), head-mounted displays, and

portable projectors. This technology reduces process differences between pixels while leveraging silicon processes to improve photoelectric conversion efficiency and manufacturing consistency. Silicon-based micro-LEDs represent a crucial direction for the integration of micro-display technology and semiconductor technology. In 2025, global silicon-based micro-LED production reached 3.803 billion units, with a unit price of approximately US\$43.12 per thousand units and a gross profit margin of approximately 14.54%-29.12%. Xi'an Saifulles Semiconductor Technology Co., Ltd. has a total production capacity of 600,000 units per month; BOE has a production capacity of 45,000 million micro-LED pixel devices.

As display technology evolves towards higher brightness, lower power consumption, ultra-high resolution, and smaller size, silicon-based micro-LEDs, as one of the core directions of next-generation display technology, are gaining widespread attention from the industry chain and capital levels. Traditional display technologies are gradually approaching physical limits in terms of brightness, response speed, and energy efficiency, while silicon-based micro-LEDs, with their extremely high pixel control capabilities, excellent color gamut performance, and extremely low power consumption, offer differentiated competitiveness for niche markets such as AR/VR near-eye displays, smart wearable devices, head-up displays, and automotive HUDs. Furthermore, silicon-based micro-LEDs can utilize existing silicon processing infrastructure and be directly integrated with CMOS control circuits, offering potential advantages in manufacturing efficiency and yield, attracting deep investment from production line and manufacturing equipment manufacturers. These advantages have enabled silicon-based micro-LEDs to gradually rise to become a key technological pillar in the display industry's development blueprint.

Technological innovation is one of the key driving forces behind the rapid development of the market. The manufacturing of silicon-based micro-LEDs integrates advanced wafer-level processing, precision transfer technology, wavelength conversion, and pixel-level drive integration, enabling high-density pixel arrays to achieve high brightness and high contrast output in a more compact space. Industry participants have made continuous breakthroughs in heterogeneous integration, quantum dot color conversion, and silicon substrate process optimization, effectively driving product performance iteration and improving industrial maturity. Especially against the backdrop of an increasingly active AR/VR device, smart glasses, and wearable device market, display demands are placing higher requirements on power consumption control and efficient display output. These demands perfectly align with the technical characteristics of silicon-based micro-LEDs, accelerating the penetration rate growth in the end-market.

Despite the broad market prospects, silicon-based micro-LED technology and market evolution still face key challenges. First, the manufacturing process of micro-LEDs is extremely complex. The transfer and precise arrangement of tiny pixels place extremely high demands on production equipment and process control, leading to low yields and high manufacturing costs in the early stages. Balancing pixel density, silicon-based driver integration complexity, and cost in the silicon-based integration model is a problem that the industry chain must overcome. Second, the current ecosystem of silicon-based micro-LEDs is still immature. Collaboration among material suppliers, equipment suppliers, module manufacturers, and end-user brands needs to be strengthened, and supply chain efficiency has a significant impact on cost and delivery cycle. Furthermore, although the price range is gradually decreasing, silicon-based micro-LEDs still have a price disadvantage compared to mature OLED and LCD products, which to some extent inhibits the acceleration of the large-scale replacement trend. Downstream market demand for silicon-based micro-LEDs is showing a diversified and high-growth trend. In the consumer electronics sector, the demand for high-brightness, high-energy-efficiency micro-displays in AR/VR headsets and smart wearable devices continues to rise, with manufacturers deploying silicon-based micro-LED display engines as a core technology for future product differentiation. In the automotive electronics sector, the requirements for clarity, durability, and sunlight visibility performance of HUDs and central control displays are constantly increasing, making silicon-based micro-LEDs a focus of attention due to their high contrast and brightness advantages. In the industrial and medical display sectors, power consumption and brightness requirements are also driving the adoption of some high-precision display terminals. It is expected that in the next few years, with continuous process optimization and the emergence of economies of scale, silicon-based micro-LEDs will achieve commercialization and revenue growth in more segmented downstream scenarios.

LP Information, Inc. (LPI) ' newest research report, the “Silicon-based Micro-LED Industry Forecast” looks at past sales and reviews total world Silicon-based Micro-LED sales in 2025, providing a comprehensive analysis by region and market sector of projected Silicon-based Micro-LED sales for 2026 through 2032. With Silicon-based Micro-LED sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Silicon-based Micro-LED industry.

This Insight Report provides a comprehensive analysis of the global Silicon-based Micro-LED landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report

also analyzes the strategies of leading global companies with a focus on Silicon-based Micro-LED portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Silicon-based Micro-LED market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Silicon-based Micro-LED and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Silicon-based Micro-LED.

This report presents a comprehensive overview, market shares, and growth opportunities of Silicon-based Micro-LED market by product type, application, key manufacturers and key regions and countries.

#### Segmentation by Type:

Monochrome Micro LED

Full-color Micro LED

#### Segmentation by Power:

Low-power LED Chips

High-power LED Chips

#### Segmentation by Inch:

8-inch Silicon Substrate

12-inch Silicon Substrate

#### Segmentation by Application:

Consumer Electronics (XR/Wearable Devices)

Automotive Displays

Medical

Industrial

Other

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Leyard

Kopin

Samsung?eMagin?

Sony

LG

Mojo Vision

Raxium?Google?

MICLEDI Microdisplays

Plessey Semiconductors

BOE

Xi'an Saffles Semiconductor Technology Co., Ltd.

Xiamen Tianma Display Technology Co., Ltd.

Xiamen Extremely PQ Display Technology Co., Ltd.

Foshan NationStar Optoelectronics Co., Ltd.

Shanghai ChenKe Microelectronics Technology Co., Ltd.

Raysolve Optoelectronics (Suzhou) Company Limited

Shenzhen STD Technology Co., Ltd.

Joinwin Micro-Led Technology Co., Ltd.

Chengdu Vistar Optoelectronics Co., Ltd.

Yancheng Hongshi Intelligent technology co., LTD.

HKC

GZOT

Nanjing Digital Optics Technology Co., Ltd

Nanjing SmartVision Electronics Co., Ltd.

Innovision Technology

LEKIN

### Key Questions Addressed in this Report

What is the 10-year outlook for the global Silicon-based Micro-LED market?

What factors are driving Silicon-based Micro-LED market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Silicon-based Micro-LED market opportunities vary by end market size?

How does Silicon-based Micro-LED break out by Type, by Application?

## Contents

### 1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

### 2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
  - 2.1.1 Global Silicon-based Micro-LED Annual Sales 2021-2032
  - 2.1.2 World Current & Future Analysis for Silicon-based Micro-LED by Geographic Region, 2021, 2025 & 2032
  - 2.1.3 World Current & Future Analysis for Silicon-based Micro-LED by Country/Region, 2021, 2025 & 2032
- 2.2 Silicon-based Micro-LED Segment by Type
  - 2.2.1 Monochrome Micro LED
  - 2.2.2 Full-color Micro LED
  - 2.2.3 Silicon-based Micro-LED Sales by Type
    - 2.2.3.1 Global Silicon-based Micro-LED Sales Market Share by Type (2021-2026)
    - 2.2.3.2 Global Silicon-based Micro-LED Revenue and Market Share by Type (2021-2026)
    - 2.2.3.3 Global Silicon-based Micro-LED Sale Price by Type (2021-2026)
- 2.3 Silicon-based Micro-LED Segment by Power
  - 2.3.1 Low-power LED Chips
  - 2.3.2 High-power LED Chips
  - 2.3.3 Silicon-based Micro-LED Sales by Power
    - 2.3.3.1 Global Silicon-based Micro-LED Sales Market Share by Power (2021-2026)
    - 2.3.3.2 Global Silicon-based Micro-LED Revenue and Market Share by Power (2021-2026)
    - 2.3.3.3 Global Silicon-based Micro-LED Sale Price by Power (2021-2026)
- 2.4 Silicon-based Micro-LED Segment by Inch
  - 2.4.1 8-inch Silicon Substrate

- 2.4.2 12-inch Silicon Substrate
- 2.4.3 Silicon-based Micro-LED Sales by Inch
  - 2.4.3.1 Global Silicon-based Micro-LED Sales Market Share by Inch (2021-2026)
  - 2.4.3.2 Global Silicon-based Micro-LED Revenue and Market Share by Inch (2021-2026)
  - 2.4.3.3 Global Silicon-based Micro-LED Sale Price by Inch (2021-2026)
- 2.5 Silicon-based Micro-LED Segment by Application
  - 2.5.1 Consumer Electronics (XR/Wearable Devices)
  - 2.5.2 Automotive Displays
  - 2.5.3 Medical
  - 2.5.4 Industrial
  - 2.5.5 Other
  - 2.5.6 Silicon-based Micro-LED Sales by Application
    - 2.5.6.1 Global Silicon-based Micro-LED Sale Market Share by Application (2021-2026)
    - 2.5.6.2 Global Silicon-based Micro-LED Revenue and Market Share by Application (2021-2026)
    - 2.5.6.3 Global Silicon-based Micro-LED Sale Price by Application (2021-2026)

### **3 GLOBAL BY COMPANY**

- 3.1 Global Silicon-based Micro-LED Breakdown Data by Company
  - 3.1.1 Global Silicon-based Micro-LED Annual Sales by Company (2021-2026)
  - 3.1.2 Global Silicon-based Micro-LED Sales Market Share by Company (2021-2026)
- 3.2 Global Silicon-based Micro-LED Annual Revenue by Company (2021-2026)
  - 3.2.1 Global Silicon-based Micro-LED Revenue by Company (2021-2026)
  - 3.2.2 Global Silicon-based Micro-LED Revenue Market Share by Company (2021-2026)
- 3.3 Global Silicon-based Micro-LED Sale Price by Company
- 3.4 Key Manufacturers Silicon-based Micro-LED Producing Area Distribution, Sales Area, Product Type
  - 3.4.1 Key Manufacturers Silicon-based Micro-LED Product Location Distribution
  - 3.4.2 Players Silicon-based Micro-LED Products Offered
- 3.5 Market Concentration Rate Analysis
  - 3.5.1 Competition Landscape Analysis
  - 3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)
- 3.6 New Products and Potential Entrants
- 3.7 Market M&A Activity & Strategy

## **4 WORLD HISTORIC REVIEW FOR SILICON-BASED MICRO-LED BY GEOGRAPHIC REGION**

4.1 World Historic Silicon-based Micro-LED Market Size by Geographic Region (2021-2026)

4.1.1 Global Silicon-based Micro-LED Annual Sales by Geographic Region (2021-2026)

4.1.2 Global Silicon-based Micro-LED Annual Revenue by Geographic Region (2021-2026)

4.2 World Historic Silicon-based Micro-LED Market Size by Country/Region (2021-2026)

4.2.1 Global Silicon-based Micro-LED Annual Sales by Country/Region (2021-2026)

4.2.2 Global Silicon-based Micro-LED Annual Revenue by Country/Region (2021-2026)

4.3 Americas Silicon-based Micro-LED Sales Growth

4.4 APAC Silicon-based Micro-LED Sales Growth

4.5 Europe Silicon-based Micro-LED Sales Growth

4.6 Middle East & Africa Silicon-based Micro-LED Sales Growth

## **5 AMERICAS**

5.1 Americas Silicon-based Micro-LED Sales by Country

5.1.1 Americas Silicon-based Micro-LED Sales by Country (2021-2026)

5.1.2 Americas Silicon-based Micro-LED Revenue by Country (2021-2026)

5.2 Americas Silicon-based Micro-LED Sales by Type (2021-2026)

5.3 Americas Silicon-based Micro-LED Sales by Application (2021-2026)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

## **6 APAC**

6.1 APAC Silicon-based Micro-LED Sales by Region

6.1.1 APAC Silicon-based Micro-LED Sales by Region (2021-2026)

6.1.2 APAC Silicon-based Micro-LED Revenue by Region (2021-2026)

6.2 APAC Silicon-based Micro-LED Sales by Type (2021-2026)

6.3 APAC Silicon-based Micro-LED Sales by Application (2021-2026)

6.4 China

- 6.5 Japan
- 6.6 South Korea
- 6.7 Southeast Asia
- 6.8 India
- 6.9 Australia
- 6.10 China Taiwan

## **7 EUROPE**

- 7.1 Europe Silicon-based Micro-LED by Country
  - 7.1.1 Europe Silicon-based Micro-LED Sales by Country (2021-2026)
  - 7.1.2 Europe Silicon-based Micro-LED Revenue by Country (2021-2026)
- 7.2 Europe Silicon-based Micro-LED Sales by Type (2021-2026)
- 7.3 Europe Silicon-based Micro-LED Sales by Application (2021-2026)
- 7.4 Germany
- 7.5 France
- 7.6 UK
- 7.7 Italy
- 7.8 Russia

## **8 MIDDLE EAST & AFRICA**

- 8.1 Middle East & Africa Silicon-based Micro-LED by Country
  - 8.1.1 Middle East & Africa Silicon-based Micro-LED Sales by Country (2021-2026)
  - 8.1.2 Middle East & Africa Silicon-based Micro-LED Revenue by Country (2021-2026)
- 8.2 Middle East & Africa Silicon-based Micro-LED Sales by Type (2021-2026)
- 8.3 Middle East & Africa Silicon-based Micro-LED Sales by Application (2021-2026)
- 8.4 Egypt
- 8.5 South Africa
- 8.6 Israel
- 8.7 Turkey
- 8.8 GCC Countries

## **9 MARKET DRIVERS, CHALLENGES AND TRENDS**

- 9.1 Market Drivers & Growth Opportunities
- 9.2 Market Challenges & Risks
- 9.3 Industry Trends

## **10 MANUFACTURING COST STRUCTURE ANALYSIS**

- 10.1 Raw Material and Suppliers
- 10.2 Manufacturing Cost Structure Analysis of Silicon-based Micro-LED
- 10.3 Manufacturing Process Analysis of Silicon-based Micro-LED
- 10.4 Industry Chain Structure of Silicon-based Micro-LED

## **11 MARKETING, DISTRIBUTORS AND CUSTOMER**

- 11.1 Sales Channel
  - 11.1.1 Direct Channels
  - 11.1.2 Indirect Channels
- 11.2 Silicon-based Micro-LED Distributors
- 11.3 Silicon-based Micro-LED Customer

## **12 WORLD FORECAST REVIEW FOR SILICON-BASED MICRO-LED BY GEOGRAPHIC REGION**

- 12.1 Global Silicon-based Micro-LED Market Size Forecast by Region
  - 12.1.1 Global Silicon-based Micro-LED Forecast by Region (2027-2032)
  - 12.1.2 Global Silicon-based Micro-LED Annual Revenue Forecast by Region (2027-2032)
- 12.2 Americas Forecast by Country (2027-2032)
- 12.3 APAC Forecast by Region (2027-2032)
- 12.4 Europe Forecast by Country (2027-2032)
- 12.5 Middle East & Africa Forecast by Country (2027-2032)
- 12.6 Global Silicon-based Micro-LED Forecast by Type (2027-2032)
- 12.7 Global Silicon-based Micro-LED Forecast by Application (2027-2032)

## **13 KEY PLAYERS ANALYSIS**

- 13.1 Leyard
  - 13.1.1 Leyard Company Information
  - 13.1.2 Leyard Silicon-based Micro-LED Product Portfolios and Specifications
  - 13.1.3 Leyard Silicon-based Micro-LED Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.1.4 Leyard Main Business Overview
  - 13.1.5 Leyard Latest Developments
- 13.2 Kopin

- 13.2.1 Kopin Company Information
- 13.2.2 Kopin Silicon-based Micro-LED Product Portfolios and Specifications
- 13.2.3 Kopin Silicon-based Micro-LED Sales, Revenue, Price and Gross Margin (2021-2026)
- 13.2.4 Kopin Main Business Overview
- 13.2.5 Kopin Latest Developments
- 13.3 Samsung?eMagin?
  - 13.3.1 Samsung?eMagin? Company Information
  - 13.3.2 Samsung?eMagin? Silicon-based Micro-LED Product Portfolios and Specifications
  - 13.3.3 Samsung?eMagin? Silicon-based Micro-LED Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.3.4 Samsung?eMagin? Main Business Overview
  - 13.3.5 Samsung?eMagin? Latest Developments
- 13.4 Sony
  - 13.4.1 Sony Company Information
  - 13.4.2 Sony Silicon-based Micro-LED Product Portfolios and Specifications
  - 13.4.3 Sony Silicon-based Micro-LED Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.4.4 Sony Main Business Overview
  - 13.4.5 Sony Latest Developments
- 13.5 LG
  - 13.5.1 LG Company Information
  - 13.5.2 LG Silicon-based Micro-LED Product Portfolios and Specifications
  - 13.5.3 LG Silicon-based Micro-LED Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.5.4 LG Main Business Overview
  - 13.5.5 LG Latest Developments
- 13.6 Mojo Vision
  - 13.6.1 Mojo Vision Company Information
  - 13.6.2 Mojo Vision Silicon-based Micro-LED Product Portfolios and Specifications
  - 13.6.3 Mojo Vision Silicon-based Micro-LED Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.6.4 Mojo Vision Main Business Overview
  - 13.6.5 Mojo Vision Latest Developments
- 13.7 Raxium?Google?
  - 13.7.1 Raxium?Google? Company Information
  - 13.7.2 Raxium?Google? Silicon-based Micro-LED Product Portfolios and Specifications

13.7.3 Raxium?Google? Silicon-based Micro-LED Sales, Revenue, Price and Gross Margin (2021-2026)

13.7.4 Raxium?Google? Main Business Overview

13.7.5 Raxium?Google? Latest Developments

13.8 MICLEDI Microdisplays

13.8.1 MICLEDI Microdisplays Company Information

13.8.2 MICLEDI Microdisplays Silicon-based Micro-LED Product Portfolios and Specifications

13.8.3 MICLEDI Microdisplays Silicon-based Micro-LED Sales, Revenue, Price and Gross Margin (2021-2026)

13.8.4 MICLEDI Microdisplays Main Business Overview

13.8.5 MICLEDI Microdisplays Latest Developments

13.9 Plessey Semiconductors

13.9.1 Plessey Semiconductors Company Information

13.9.2 Plessey Semiconductors Silicon-based Micro-LED Product Portfolios and Specifications

13.9.3 Plessey Semiconductors Silicon-based Micro-LED Sales, Revenue, Price and Gross Margin (2021-2026)

13.9.4 Plessey Semiconductors Main Business Overview

13.9.5 Plessey Semiconductors Latest Developments

13.10 BOE

13.10.1 BOE Company Information

13.10.2 BOE Silicon-based Micro-LED Product Portfolios and Specifications

13.10.3 BOE Silicon-based Micro-LED Sales, Revenue, Price and Gross Margin (2021-2026)

13.10.4 BOE Main Business Overview

13.10.5 BOE Latest Developments

13.11 Xi'an Saffles Semiconductor Technology Co., Ltd.

13.11.1 Xi'an Saffles Semiconductor Technology Co., Ltd. Company Information

13.11.2 Xi'an Saffles Semiconductor Technology Co., Ltd. Silicon-based Micro-LED Product Portfolios and Specifications

13.11.3 Xi'an Saffles Semiconductor Technology Co., Ltd. Silicon-based Micro-LED Sales, Revenue, Price and Gross Margin (2021-2026)

13.11.4 Xi'an Saffles Semiconductor Technology Co., Ltd. Main Business Overview

13.11.5 Xi'an Saffles Semiconductor Technology Co., Ltd. Latest Developments

13.12 Xiamen Tianma Display Technology Co., Ltd.

13.12.1 Xiamen Tianma Display Technology Co., Ltd. Company Information

13.12.2 Xiamen Tianma Display Technology Co., Ltd. Silicon-based Micro-LED Product Portfolios and Specifications

- 13.12.3 Xiamen Tianma Display Technology Co., Ltd. Silicon-based Micro-LED Sales, Revenue, Price and Gross Margin (2021-2026)
- 13.12.4 Xiamen Tianma Display Technology Co., Ltd. Main Business Overview
- 13.12.5 Xiamen Tianma Display Technology Co., Ltd. Latest Developments
- 13.13 Xiamen Extremely PQ Display Technology Co., Ltd.
  - 13.13.1 Xiamen Extremely PQ Display Technology Co., Ltd. Company Information
  - 13.13.2 Xiamen Extremely PQ Display Technology Co., Ltd. Silicon-based Micro-LED Product Portfolios and Specifications
  - 13.13.3 Xiamen Extremely PQ Display Technology Co., Ltd. Silicon-based Micro-LED Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.13.4 Xiamen Extremely PQ Display Technology Co., Ltd. Main Business Overview
  - 13.13.5 Xiamen Extremely PQ Display Technology Co., Ltd. Latest Developments
- 13.14 Foshan NationStar Optoelectronics Co., Ltd.
  - 13.14.1 Foshan NationStar Optoelectronics Co., Ltd. Company Information
  - 13.14.2 Foshan NationStar Optoelectronics Co., Ltd. Silicon-based Micro-LED Product Portfolios and Specifications
  - 13.14.3 Foshan NationStar Optoelectronics Co., Ltd. Silicon-based Micro-LED Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.14.4 Foshan NationStar Optoelectronics Co., Ltd. Main Business Overview
  - 13.14.5 Foshan NationStar Optoelectronics Co., Ltd. Latest Developments
- 13.15 Shanghai ChenKe Microelectronics Technology Co., Ltd.
  - 13.15.1 Shanghai ChenKe Microelectronics Technology Co., Ltd. Company Information
  - 13.15.2 Shanghai ChenKe Microelectronics Technology Co., Ltd. Silicon-based Micro-LED Product Portfolios and Specifications
  - 13.15.3 Shanghai ChenKe Microelectronics Technology Co., Ltd. Silicon-based Micro-LED Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.15.4 Shanghai ChenKe Microelectronics Technology Co., Ltd. Main Business Overview
  - 13.15.5 Shanghai ChenKe Microelectronics Technology Co., Ltd. Latest Developments
- 13.16 Raysolve Optoelectronics (Suzhou) Company Limited
  - 13.16.1 Raysolve Optoelectronics (Suzhou) Company Limited Company Information
  - 13.16.2 Raysolve Optoelectronics (Suzhou) Company Limited Silicon-based Micro-LED Product Portfolios and Specifications
  - 13.16.3 Raysolve Optoelectronics (Suzhou) Company Limited Silicon-based Micro-LED Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.16.4 Raysolve Optoelectronics (Suzhou) Company Limited Main Business Overview
  - 13.16.5 Raysolve Optoelectronics (Suzhou) Company Limited Latest Developments

### 13.17 Shenzhen STD Technology Co., Ltd.

13.17.1 Shenzhen STD Technology Co., Ltd. Company Information

13.17.2 Shenzhen STD Technology Co., Ltd. Silicon-based Micro-LED Product Portfolios and Specifications

13.17.3 Shenzhen STD Technology Co., Ltd. Silicon-based Micro-LED Sales, Revenue, Price and Gross Margin (2021-2026)

13.17.4 Shenzhen STD Technology Co., Ltd. Main Business Overview

13.17.5 Shenzhen STD Technology Co., Ltd. Latest Developments

### 13.18 Joinwin Micro-Led Technology Co., Ltd.

13.18.1 Joinwin Micro-Led Technology Co., Ltd. Company Information

13.18.2 Joinwin Micro-Led Technology Co., Ltd. Silicon-based Micro-LED Product Portfolios and Specifications

13.18.3 Joinwin Micro-Led Technology Co., Ltd. Silicon-based Micro-LED Sales, Revenue, Price and Gross Margin (2021-2026)

13.18.4 Joinwin Micro-Led Technology Co., Ltd. Main Business Overview

13.18.5 Joinwin Micro-Led Technology Co., Ltd. Latest Developments

### 13.19 Chengdu Vistar Optoelectronics Co., Ltd.

13.19.1 Chengdu Vistar Optoelectronics Co., Ltd. Company Information

13.19.2 Chengdu Vistar Optoelectronics Co., Ltd. Silicon-based Micro-LED Product Portfolios and Specifications

13.19.3 Chengdu Vistar Optoelectronics Co., Ltd. Silicon-based Micro-LED Sales, Revenue, Price and Gross Margin (2021-2026)

13.19.4 Chengdu Vistar Optoelectronics Co., Ltd. Main Business Overview

13.19.5 Chengdu Vistar Optoelectronics Co., Ltd. Latest Developments

### 13.20 Yancheng Hongshi Intelligent technology co., LTD.

13.20.1 Yancheng Hongshi Intelligent technology co., LTD. Company Information

13.20.2 Yancheng Hongshi Intelligent technology co., LTD. Silicon-based Micro-LED Product Portfolios and Specifications

13.20.3 Yancheng Hongshi Intelligent technology co., LTD. Silicon-based Micro-LED Sales, Revenue, Price and Gross Margin (2021-2026)

13.20.4 Yancheng Hongshi Intelligent technology co., LTD. Main Business Overview

13.20.5 Yancheng Hongshi Intelligent technology co., LTD. Latest Developments

### 13.21 HKC

13.21.1 HKC Company Information

13.21.2 HKC Silicon-based Micro-LED Product Portfolios and Specifications

13.21.3 HKC Silicon-based Micro-LED Sales, Revenue, Price and Gross Margin (2021-2026)

13.21.4 HKC Main Business Overview

13.21.5 HKC Latest Developments

## 13.22 GZOT

13.22.1 GZOT Company Information

13.22.2 GZOT Silicon-based Micro-LED Product Portfolios and Specifications

13.22.3 GZOT Silicon-based Micro-LED Sales, Revenue, Price and Gross Margin (2021-2026)

13.22.4 GZOT Main Business Overview

13.22.5 GZOT Latest Developments

## 13.23 Nanjing Digital Optics Technology Co., Ltd

13.23.1 Nanjing Digital Optics Technology Co., Ltd Company Information

13.23.2 Nanjing Digital Optics Technology Co., Ltd Silicon-based Micro-LED Product Portfolios and Specifications

13.23.3 Nanjing Digital Optics Technology Co., Ltd Silicon-based Micro-LED Sales, Revenue, Price and Gross Margin (2021-2026)

13.23.4 Nanjing Digital Optics Technology Co., Ltd Main Business Overview

13.23.5 Nanjing Digital Optics Technology Co., Ltd Latest Developments

## 13.24 Nanjing SmartVision Electronics Co., Ltd.

13.24.1 Nanjing SmartVision Electronics Co., Ltd. Company Information

13.24.2 Nanjing SmartVision Electronics Co., Ltd. Silicon-based Micro-LED Product Portfolios and Specifications

13.24.3 Nanjing SmartVision Electronics Co., Ltd. Silicon-based Micro-LED Sales, Revenue, Price and Gross Margin (2021-2026)

13.24.4 Nanjing SmartVision Electronics Co., Ltd. Main Business Overview

13.24.5 Nanjing SmartVision Electronics Co., Ltd. Latest Developments

## 13.25 Innovision Technology

13.25.1 Innovision Technology Company Information

13.25.2 Innovision Technology Silicon-based Micro-LED Product Portfolios and Specifications

13.25.3 Innovision Technology Silicon-based Micro-LED Sales, Revenue, Price and Gross Margin (2021-2026)

13.25.4 Innovision Technology Main Business Overview

13.25.5 Innovision Technology Latest Developments

## 13.26 LEKIN

13.26.1 LEKIN Company Information

13.26.2 LEKIN Silicon-based Micro-LED Product Portfolios and Specifications

13.26.3 LEKIN Silicon-based Micro-LED Sales, Revenue, Price and Gross Margin (2021-2026)

13.26.4 LEKIN Main Business Overview

13.26.5 LEKIN Latest Developments

## 14 RESEARCH FINDINGS AND CONCLUSION

## List Of Tables

### LIST OF TABLES

Table 1. Silicon-based Micro-LED Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Table 2. Silicon-based Micro-LED Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)

Table 3. Major Players of Monochrome Micro LED

Table 4. Major Players of Full-color Micro LED

Table 5. Global Silicon-based Micro-LED Sales by Type (2021-2026) & (Million Units)

Table 6. Global Silicon-based Micro-LED Sales Market Share by Type (2021-2026)

Table 7. Global Silicon-based Micro-LED Revenue by Type (2021-2026) & (\$ million)

Table 8. Global Silicon-based Micro-LED Revenue Market Share by Type (2021-2026)

Table 9. Global Silicon-based Micro-LED Sale Price by Type (2021-2026) & (US\$/K Units)

Table 10. Major Players of Low-power LED Chips

Table 11. Major Players of High-power LED Chips

Table 12. Global Silicon-based Micro-LED Sales by Power (2021-2026) & (Million Units)

Table 13. Global Silicon-based Micro-LED Sales Market Share by Power (2021-2026)

Table 14. Global Silicon-based Micro-LED Revenue by Power (2021-2026) & (\$ million)

Table 15. Global Silicon-based Micro-LED Revenue Market Share by Power (2021-2026)

Table 16. Global Silicon-based Micro-LED Sale Price by Power (2021-2026) & (US\$/K Units)

Table 17. Major Players of 8-inch Silicon Substrate

Table 18. Major Players of 12-inch Silicon Substrate

Table 19. Global Silicon-based Micro-LED Sales by Inch (2021-2026) & (Million Units)

Table 20. Global Silicon-based Micro-LED Sales Market Share by Inch (2021-2026)

Table 21. Global Silicon-based Micro-LED Revenue by Inch (2021-2026) & (\$ million)

Table 22. Global Silicon-based Micro-LED Revenue Market Share by Inch (2021-2026)

Table 23. Global Silicon-based Micro-LED Sale Price by Inch (2021-2026) & (US\$/K Units)

Table 24. Global Silicon-based Micro-LED Sale by Application (2021-2026) & (Million Units)

Table 25. Global Silicon-based Micro-LED Sale Market Share by Application (2021-2026)

Table 26. Global Silicon-based Micro-LED Revenue by Application (2021-2026) & (\$ million)

Table 27. Global Silicon-based Micro-LED Revenue Market Share by Application (2021-2026)

Table 28. Global Silicon-based Micro-LED Sale Price by Application (2021-2026) & (US\$/K Units)

Table 29. Global Silicon-based Micro-LED Sales by Company (2021-2026) & (Million Units)

Table 30. Global Silicon-based Micro-LED Sales Market Share by Company (2021-2026)

Table 31. Global Silicon-based Micro-LED Revenue by Company (2021-2026) & (\$ millions)

Table 32. Global Silicon-based Micro-LED Revenue Market Share by Company (2021-2026)

Table 33. Global Silicon-based Micro-LED Sale Price by Company (2021-2026) & (US\$/K Units)

Table 34. Key Manufacturers Silicon-based Micro-LED Producing Area Distribution and Sales Area

Table 35. Players Silicon-based Micro-LED Products Offered

Table 36. Silicon-based Micro-LED Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

Table 37. New Products and Potential Entrants

Table 38. Market M&A Activity & Strategy

Table 39. Global Silicon-based Micro-LED Sales by Geographic Region (2021-2026) & (Million Units)

Table 40. Global Silicon-based Micro-LED Sales Market Share Geographic Region (2021-2026)

Table 41. Global Silicon-based Micro-LED Revenue by Geographic Region (2021-2026) & (\$ millions)

Table 42. Global Silicon-based Micro-LED Revenue Market Share by Geographic Region (2021-2026)

Table 43. Global Silicon-based Micro-LED Sales by Country/Region (2021-2026) & (Million Units)

Table 44. Global Silicon-based Micro-LED Sales Market Share by Country/Region (2021-2026)

Table 45. Global Silicon-based Micro-LED Revenue by Country/Region (2021-2026) & (\$ millions)

Table 46. Global Silicon-based Micro-LED Revenue Market Share by Country/Region (2021-2026)

Table 47. Americas Silicon-based Micro-LED Sales by Country (2021-2026) & (Million Units)

Table 48. Americas Silicon-based Micro-LED Sales Market Share by Country (2021-2026)

Table 49. Americas Silicon-based Micro-LED Revenue by Country (2021-2026) & (\$ millions)

Table 50. Americas Silicon-based Micro-LED Sales by Type (2021-2026) & (Million Units)

Table 51. Americas Silicon-based Micro-LED Sales by Application (2021-2026) & (Million Units)

Table 52. APAC Silicon-based Micro-LED Sales by Region (2021-2026) & (Million Units)

Table 53. APAC Silicon-based Micro-LED Sales Market Share by Region (2021-2026)

Table 54. APAC Silicon-based Micro-LED Revenue by Region (2021-2026) & (\$ millions)

Table 55. APAC Silicon-based Micro-LED Sales by Type (2021-2026) & (Million Units)

Table 56. APAC Silicon-based Micro-LED Sales by Application (2021-2026) & (Million Units)

Table 57. Europe Silicon-based Micro-LED Sales by Country (2021-2026) & (Million Units)

Table 58. Europe Silicon-based Micro-LED Revenue by Country (2021-2026) & (\$ millions)

Table 59. Europe Silicon-based Micro-LED Sales by Type (2021-2026) & (Million Units)

Table 60. Europe Silicon-based Micro-LED Sales by Application (2021-2026) & (Million Units)

Table 61. Middle East & Africa Silicon-based Micro-LED Sales by Country (2021-2026) & (Million Units)

Table 62. Middle East & Africa Silicon-based Micro-LED Revenue Market Share by Country (2021-2026)

Table 63. Middle East & Africa Silicon-based Micro-LED Sales by Type (2021-2026) & (Million Units)

Table 64. Middle East & Africa Silicon-based Micro-LED Sales by Application (2021-2026) & (Million Units)

Table 65. Key Market Drivers & Growth Opportunities of Silicon-based Micro-LED

Table 66. Key Market Challenges & Risks of Silicon-based Micro-LED

Table 67. Key Industry Trends of Silicon-based Micro-LED

Table 68. Silicon-based Micro-LED Raw Material

Table 69. Key Suppliers of Raw Materials

Table 70. Silicon-based Micro-LED Distributors List

Table 71. Silicon-based Micro-LED Customer List

Table 72. Global Silicon-based Micro-LED Sales Forecast by Region (2027-2032) &

(Million Units)

Table 73. Global Silicon-based Micro-LED Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 74. Americas Silicon-based Micro-LED Sales Forecast by Country (2027-2032) & (Million Units)

Table 75. Americas Silicon-based Micro-LED Annual Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 76. APAC Silicon-based Micro-LED Sales Forecast by Region (2027-2032) & (Million Units)

Table 77. APAC Silicon-based Micro-LED Annual Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 78. Europe Silicon-based Micro-LED Sales Forecast by Country (2027-2032) & (Million Units)

Table 79. Europe Silicon-based Micro-LED Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 80. Middle East & Africa Silicon-based Micro-LED Sales Forecast by Country (2027-2032) & (Million Units)

Table 81. Middle East & Africa Silicon-based Micro-LED Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 82. Global Silicon-based Micro-LED Sales Forecast by Type (2027-2032) & (Million Units)

Table 83. Global Silicon-based Micro-LED Revenue Forecast by Type (2027-2032) & (\$ millions)

Table 84. Global Silicon-based Micro-LED Sales Forecast by Application (2027-2032) & (Million Units)

Table 85. Global Silicon-based Micro-LED Revenue Forecast by Application (2027-2032) & (\$ millions)

Table 86. Leyard Basic Information, Silicon-based Micro-LED Manufacturing Base, Sales Area and Its Competitors

Table 87. Leyard Silicon-based Micro-LED Product Portfolios and Specifications

Table 88. Leyard Silicon-based Micro-LED Sales (Million Units), Revenue (\$ Million), Price (US\$/K Units) and Gross Margin (2021-2026)

Table 89. Leyard Main Business

Table 90. Leyard Latest Developments

Table 91. Kopin Basic Information, Silicon-based Micro-LED Manufacturing Base, Sales Area and Its Competitors

Table 92. Kopin Silicon-based Micro-LED Product Portfolios and Specifications

Table 93. Kopin Silicon-based Micro-LED Sales (Million Units), Revenue (\$ Million), Price (US\$/K Units) and Gross Margin (2021-2026)

- Table 94. Kopin Main Business
- Table 95. Kopin Latest Developments
- Table 96. Samsung?eMagin? Basic Information, Silicon-based Micro-LED Manufacturing Base, Sales Area and Its Competitors
- Table 97. Samsung?eMagin? Silicon-based Micro-LED Product Portfolios and Specifications
- Table 98. Samsung?eMagin? Silicon-based Micro-LED Sales (Million Units), Revenue (\$ Million), Price (US\$/K Units) and Gross Margin (2021-2026)
- Table 99. Samsung?eMagin? Main Business
- Table 100. Samsung?eMagin? Latest Developments
- Table 101. Sony Basic Information, Silicon-based Micro-LED Manufacturing Base, Sales Area and Its Competitors
- Table 102. Sony Silicon-based Micro-LED Product Portfolios and Specifications
- Table 103. Sony Silicon-based Micro-LED Sales (Million Units), Revenue (\$ Million), Price (US\$/K Units) and Gross Margin (2021-2026)
- Table 104. Sony Main Business
- Table 105. Sony Latest Developments
- Table 106. LG Basic Information, Silicon-based Micro-LED Manufacturing Base, Sales Area and Its Competitors
- Table 107. LG Silicon-based Micro-LED Product Portfolios and Specifications
- Table 108. LG Silicon-based Micro-LED Sales (Million Units), Revenue (\$ Million), Price (US\$/K Units) and Gross Margin (2021-2026)
- Table 109. LG Main Business
- Table 110. LG Latest Developments
- Table 111. Mojo Vision Basic Information, Silicon-based Micro-LED Manufacturing Base, Sales Area and Its Competitors
- Table 112. Mojo Vision Silicon-based Micro-LED Product Portfolios and Specifications
- Table 113. Mojo Vision Silicon-based Micro-LED Sales (Million Units), Revenue (\$ Million), Price (US\$/K Units) and Gross Margin (2021-2026)
- Table 114. Mojo Vision Main Business
- Table 115. Mojo Vision Latest Developments
- Table 116. Raxium?Google? Basic Information, Silicon-based Micro-LED Manufacturing Base, Sales Area and Its Competitors
- Table 117. Raxium?Google? Silicon-based Micro-LED Product Portfolios and Specifications
- Table 118. Raxium?Google? Silicon-based Micro-LED Sales (Million Units), Revenue (\$ Million), Price (US\$/K Units) and Gross Margin (2021-2026)
- Table 119. Raxium?Google? Main Business
- Table 120. Raxium?Google? Latest Developments

- Table 121. MICLEDI Microdisplays Basic Information, Silicon-based Micro-LED Manufacturing Base, Sales Area and Its Competitors
- Table 122. MICLEDI Microdisplays Silicon-based Micro-LED Product Portfolios and Specifications
- Table 123. MICLEDI Microdisplays Silicon-based Micro-LED Sales (Million Units), Revenue (\$ Million), Price (US\$/K Units) and Gross Margin (2021-2026)
- Table 124. MICLEDI Microdisplays Main Business
- Table 125. MICLEDI Microdisplays Latest Developments
- Table 126. Plessey Semiconductors Basic Information, Silicon-based Micro-LED Manufacturing Base, Sales Area and Its Competitors
- Table 127. Plessey Semiconductors Silicon-based Micro-LED Product Portfolios and Specifications
- Table 128. Plessey Semiconductors Silicon-based Micro-LED Sales (Million Units), Revenue (\$ Million), Price (US\$/K Units) and Gross Margin (2021-2026)
- Table 129. Plessey Semiconductors Main Business
- Table 130. Plessey Semiconductors Latest Developments
- Table 131. BOE Basic Information, Silicon-based Micro-LED Manufacturing Base, Sales Area and Its Competitors
- Table 132. BOE Silicon-based Micro-LED Product Portfolios and Specifications
- Table 133. BOE Silicon-based Micro-LED Sales (Million Units), Revenue (\$ Million), Price (US\$/K Units) and Gross Margin (2021-2026)
- Table 134. BOE Main Business
- Table 135. BOE Latest Developments
- Table 136. Xi'an Saffles Semiconductor Technology Co., Ltd. Basic Information, Silicon-based Micro-LED Manufacturing Base, Sales Area and Its Competitors
- Table 137. Xi'an Saffles Semiconductor Technology Co., Ltd. Silicon-based Micro-LED Product Portfolios and Specifications
- Table 138. Xi'an Saffles Semiconductor Technology Co., Ltd. Silicon-based Micro-LED Sales (Million Units), Revenue (\$ Million), Price (US\$/K Units) and Gross Margin (2021-2026)
- Table 139. Xi'an Saffles Semiconductor Technology Co., Ltd. Main Business
- Table 140. Xi'an Saffles Semiconductor Technology Co., Ltd. Latest Developments
- Table 141. Xiamen Tianma Display Technology Co., Ltd. Basic Information, Silicon-based Micro-LED Manufacturing Base, Sales Area and Its Competitors
- Table 142. Xiamen Tianma Display Technology Co., Ltd. Silicon-based Micro-LED Product Portfolios and Specifications
- Table 143. Xiamen Tianma Display Technology Co., Ltd. Silicon-based Micro-LED Sales (Million Units), Revenue (\$ Million), Price (US\$/K Units) and Gross Margin (2021-2026)

Table 144. Xiamen Tianma Display Technology Co., Ltd. Main Business

Table 145. Xiamen Tianma Display Technology Co., Ltd. Latest Developments

Table 146. Xiamen Extremely PQ Display Technology Co., Ltd. Basic Information, Silicon-based Micro-LED Manufacturing Base, Sales Area and Its Competitors

Table 147. Xiamen Extremely PQ Display Technology Co., Ltd. Silicon-based Micro-LED Product Portfolios and Specifications

Table 148. Xiamen Extremely PQ Display Technology Co., Ltd. Silicon-based Micro-LED Sales (Million Units), Revenue (\$ Million), Price (US\$/K Units) and Gross Margin (2021-2026)

Table 149. Xiamen Extremely PQ Display Technology Co., Ltd. Main Business

Table 150. Xiamen Extremely PQ Display Technology Co., Ltd. Latest Developments

Table 151. Foshan NationStar Optoelectronics Co., Ltd. Basic Information, Silicon-based Micro-LED Manufacturing Base, Sales Area and Its Competitors

Table 152. Foshan NationStar Optoelectronics Co., Ltd. Silicon-based Micro-LED Product Portfolios and Specifications

Table 153. Foshan NationStar Optoelectronics Co., Ltd. Silicon-based Micro-LED Sales (Million Units), Revenue (\$ Million), Price (US\$/K Units) and Gross Margin (2021-2026)

Table 154. Foshan NationStar Optoelectronics Co., Ltd. Main Business

Table 155. Foshan NationStar Optoelectronics Co., Ltd. Latest Developments

Table 156. Shanghai ChenKe Microelectronics Technology Co., Ltd. Basic Information, Silicon-based Micro-LED Manufacturing Base, Sales Area and Its Competitors

Table 157. Shanghai ChenKe Microelectronics Technology Co., Ltd. Silicon-based Micro-LED Product Portfolios and Specifications

Table 158. Shanghai ChenKe Microelectronics Technology Co., Ltd. Silicon-based Micro-LED Sales (Million Units), Revenue (\$ Million), Price (US\$/K Units) and Gross Margin (2021-2026)

Table 159. Shanghai ChenKe Microelectronics Technology Co., Ltd. Main Business

Table 160. Shanghai ChenKe Microelectronics Technology Co., Ltd. Latest Developments

Table 161. Raysolve Optoelectronics (Suzhou) Company Limited Basic Information, Silicon-based Micro-LED Manufacturing Base, Sales Area and Its Competitors

Table 162. Raysolve Optoelectronics (Suzhou) Company Limited Silicon-based Micro-LED Product Portfolios and Specifications

Table 163. Raysolve Optoelectronics (Suzhou) Company Limited Silicon-based Micro-LED Sales (Million Units), Revenue (\$ Million), Price (US\$/K Units) and Gross Margin (2021-2026)

Table 164. Raysolve Optoelectronics (Suzhou) Company Limited Main Business

Table 165. Raysolve Optoelectronics (Suzhou) Company Limited Latest Developments

Table 166. Shenzhen STD Technology Co., Ltd. Basic Information, Silicon-based Micro-

LED Manufacturing Base, Sales Area and Its Competitors

Table 167. Shenzhen STD Technology Co., Ltd. Silicon-based Micro-LED Product Portfolios and Specifications

Table 168. Shenzhen STD Technology Co., Ltd. Silicon-based Micro-LED Sales (Million Units), Revenue (\$ Million), Price (US\$/K Units) and Gross Margin (2021-2026)

Table 169. Shenzhen STD Technology Co., Ltd. Main Business

Table 170. Shenzhen STD Technology Co., Ltd. Latest Developments

Table 171. Joinwin Micro-Led Technology Co., Ltd. Basic Information, Silicon-based Micro-LED Manufacturing Base, Sales Area and Its Competitors

Table 172. Joinwin Micro-Led Technology Co., Ltd. Silicon-based Micro-LED Product Portfolios and Specifications

Table 173. Joinwin Micro-Led Technology Co., Ltd. Silicon-based Micro-LED Sales (Million Units), Revenue (\$ Million), Price (US\$/K Units) and Gross Margin (2021-2026)

Table 174. Joinwin Micro-Led Technology Co., Ltd. Main Business

Table 175. Joinwin Micro-Led Technology Co., Ltd. Latest Developments

Table 176. Chengdu Vistar Optoelectronics Co., Ltd. Basic Information, Silicon-based Micro-LED Manufacturing Base, Sales Area and Its Competitors

Table 177. Chengdu Vistar Optoelectronics Co., Ltd. Silicon-based Micro-LED Product Portfolios and Specifications

Table 178. Chengdu Vistar Optoelectronics Co., Ltd. Silicon-based Micro-LED Sales (Million Units), Revenue (\$ Million), Price (US\$/K Units) and Gross Margin (2021-2026)

Table 179. Chengdu Vistar Optoelectronics Co., Ltd. Main Business

Table 180. Chengdu Vistar Optoelectronics Co., Ltd. Latest Developments

Table 181. Yancheng Hongshi Intelligent technology co., LTD. Basic Information, Silicon-based Micro-LED Manufacturing Base, Sales Area and Its Competitors

Table 182. Yancheng Hongshi Intelligent technology co., LTD. Silicon-based Micro-LED Product Portfolios and Specifications

Table 183. Yancheng Hongshi Intelligent technology co., LTD. Silicon-based Micro-LED Sales (Million Units), Revenue (\$ Million), Price (US\$/K Units) and Gross Margin (2021-2026)

Table 184. Yancheng Hongshi Intelligent technology co., LTD. Main Business

Table 185. Yancheng Hongshi Intelligent technology co., LTD. Latest Developments

Table 186. HKC Basic Information, Silicon-based Micro-LED Manufacturing Base, Sales Area and Its Competitors

Table 187. HKC Silicon-based Micro-LED Product Portfolios and Specifications

Table 188. HKC Silicon-based Micro-LED Sales (Million Units), Revenue (\$ Million), Price (US\$/K Units) and Gross Margin (2021-2026)

Table 189. HKC Main Business

Table 190. HKC Latest Developments

Table 191. GZOT Basic Information, Silicon-based Micro-LED Manufacturing Base, Sales Area and Its Competitors

Table 192. GZOT Silicon-based Micro-LED Product Portfolios and Specifications

Table 193. GZOT Silicon-based Micro-LED Sales (Million Units), Revenue (\$ Million), Price (US\$/K Units) and Gross Margin (2021-2026)

Table 194. GZOT Main Business

Table 195. GZOT Latest Developments

Table 196. Nanjing Digital Optics Technology Co., Ltd Basic Information, Silicon-based Micro-LED Manufacturing Base, Sales Area and Its Competitors

Table 197. Nanjing Digital Optics Technology Co., Ltd Silicon-based Micro-LED Product Portfolios and Specifications

Table 198. Nanjing Digital Optics Technology Co., Ltd Silicon-based Micro-LED Sales (Million Units), Revenue (\$ Million), Price (US\$/K Units) and Gross Margin (2021-2026)

Table 199. Nanjing Digital Optics Technology Co., Ltd Main Business

Table 200. Nanjing Digital Optics Technology Co., Ltd Latest Developments

Table 201. Nanjing SmartVision Electronics Co., Ltd. Basic Information, Silicon-based Micro-LED Manufacturing Base, Sales Area and Its Competitors

Table 202. Nanjing SmartVision Electronics Co., Ltd. Silicon-based Micro-LED Product Portfolios and Specifications

Table 203. Nanjing SmartVision Electronics Co., Ltd. Silicon-based Micro-LED Sales (Million Units), Revenue (\$ Million), Price (US\$/K Units) and Gross Margin (2021-2026)

Table 204. Nanjing SmartVision Electronics Co., Ltd. Main Business

Table 205. Nanjing SmartVision Electronics Co., Ltd. Latest Developments

Table 206. Innovision Technology Basic Information, Silicon-based Micro-LED Manufacturing Base, Sales Area and Its Competitors

Table 207. Innovision Technology Silicon-based Micro-LED Product Portfolios and Specifications

Table 208. Innovision Technology Silicon-based Micro-LED Sales (Million Units), Revenue (\$ Million), Price (US\$/K Units) and Gross Margin (2021-2026)

Table 209. Innovision Technology Main Business

Table 210. Innovision Technology Latest Developments

Table 211. LEKIN Basic Information, Silicon-based Micro-LED Manufacturing Base, Sales Area and Its Competitors

Table 212. LEKIN Silicon-based Micro-LED Product Portfolios and Specifications

Table 213. LEKIN Silicon-based Micro-LED Sales (Million Units), Revenue (\$ Million), Price (US\$/K Units) and Gross Margin (2021-2026)

Table 214. LEKIN Main Business

Table 215. LEKIN Latest Developments

## List Of Figures

### LIST OF FIGURES

- Figure 1. Picture of Silicon-based Micro-LED
- Figure 2. Silicon-based Micro-LED Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Silicon-based Micro-LED Sales Growth Rate 2021-2032 (Million Units)
- Figure 7. Global Silicon-based Micro-LED Revenue Growth Rate 2021-2032 (\$ millions)
- Figure 8. Silicon-based Micro-LED Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Figure 9. Silicon-based Micro-LED Sales Market Share by Country/Region (2025)
- Figure 10. Silicon-based Micro-LED Sales Market Share by Country/Region (2021, 2025 & 2032)
- Figure 11. Product Picture of Monochrome Micro LED
- Figure 12. Product Picture of Full-color Micro LED
- Figure 13. Global Silicon-based Micro-LED Sales Market Share by Type in 2026
- Figure 14. Global Silicon-based Micro-LED Revenue Market Share by Type (2021-2026)
- Figure 15. Product Picture of Low-power LED Chips
- Figure 16. Product Picture of High-power LED Chips
- Figure 17. Global Silicon-based Micro-LED Sales Market Share by Power in 2026
- Figure 18. Global Silicon-based Micro-LED Revenue Market Share by Power (2021-2026)
- Figure 19. Product Picture of 8-inch Silicon Substrate
- Figure 20. Product Picture of 12-inch Silicon Substrate
- Figure 21. Global Silicon-based Micro-LED Sales Market Share by Inch in 2026
- Figure 22. Global Silicon-based Micro-LED Revenue Market Share by Inch (2021-2026)
- Figure 23. Silicon-based Micro-LED Consumed in Consumer Electronics (XR/Wearable Devices)
- Figure 24. Global Silicon-based Micro-LED Market: Consumer Electronics (XR/Wearable Devices) (2021-2026) & (Million Units)
- Figure 25. Silicon-based Micro-LED Consumed in Automotive Displays
- Figure 26. Global Silicon-based Micro-LED Market: Automotive Displays (2021-2026) & (Million Units)
- Figure 27. Silicon-based Micro-LED Consumed in Medical
- Figure 28. Global Silicon-based Micro-LED Market: Medical (2021-2026) & (Million

Units)

Figure 29. Silicon-based Micro-LED Consumed in Industrial

Figure 30. Global Silicon-based Micro-LED Market: Industrial (2021-2026) & (Million Units)

Figure 31. Silicon-based Micro-LED Consumed in Other

Figure 32. Global Silicon-based Micro-LED Market: Other (2021-2026) & (Million Units)

Figure 33. Global Silicon-based Micro-LED Sale Market Share by Application (2025)

Figure 34. Global Silicon-based Micro-LED Revenue Market Share by Application in 2025

Figure 35. Silicon-based Micro-LED Sales by Company in 2025 (Million Units)

Figure 36. Global Silicon-based Micro-LED Sales Market Share by Company in 2025

Figure 37. Silicon-based Micro-LED Revenue by Company in 2025 (\$ millions)

Figure 38. Global Silicon-based Micro-LED Revenue Market Share by Company in 2025

Figure 39. Global Silicon-based Micro-LED Sales Market Share by Geographic Region (2021-2026)

Figure 40. Global Silicon-based Micro-LED Revenue Market Share by Geographic Region in 2025

Figure 41. Americas Silicon-based Micro-LED Sales 2021-2026 (Million Units)

Figure 42. Americas Silicon-based Micro-LED Revenue 2021-2026 (\$ millions)

Figure 43. APAC Silicon-based Micro-LED Sales 2021-2026 (Million Units)

Figure 44. APAC Silicon-based Micro-LED Revenue 2021-2026 (\$ millions)

Figure 45. Europe Silicon-based Micro-LED Sales 2021-2026 (Million Units)

Figure 46. Europe Silicon-based Micro-LED Revenue 2021-2026 (\$ millions)

Figure 47. Middle East & Africa Silicon-based Micro-LED Sales 2021-2026 (Million Units)

Figure 48. Middle East & Africa Silicon-based Micro-LED Revenue 2021-2026 (\$ millions)

Figure 49. Americas Silicon-based Micro-LED Sales Market Share by Country in 2025

Figure 50. Americas Silicon-based Micro-LED Revenue Market Share by Country (2021-2026)

Figure 51. Americas Silicon-based Micro-LED Sales Market Share by Type (2021-2026)

Figure 52. Americas Silicon-based Micro-LED Sales Market Share by Application (2021-2026)

Figure 53. United States Silicon-based Micro-LED Revenue Growth 2021-2026 (\$ millions)

Figure 54. Canada Silicon-based Micro-LED Revenue Growth 2021-2026 (\$ millions)

Figure 55. Mexico Silicon-based Micro-LED Revenue Growth 2021-2026 (\$ millions)

Figure 56. Brazil Silicon-based Micro-LED Revenue Growth 2021-2026 (\$ millions)

Figure 57. APAC Silicon-based Micro-LED Sales Market Share by Region in 2025

- Figure 58. APAC Silicon-based Micro-LED Revenue Market Share by Region (2021-2026)
- Figure 59. APAC Silicon-based Micro-LED Sales Market Share by Type (2021-2026)
- Figure 60. APAC Silicon-based Micro-LED Sales Market Share by Application (2021-2026)
- Figure 61. China Silicon-based Micro-LED Revenue Growth 2021-2026 (\$ millions)
- Figure 62. Japan Silicon-based Micro-LED Revenue Growth 2021-2026 (\$ millions)
- Figure 63. South Korea Silicon-based Micro-LED Revenue Growth 2021-2026 (\$ millions)
- Figure 64. Southeast Asia Silicon-based Micro-LED Revenue Growth 2021-2026 (\$ millions)
- Figure 65. India Silicon-based Micro-LED Revenue Growth 2021-2026 (\$ millions)
- Figure 66. Australia Silicon-based Micro-LED Revenue Growth 2021-2026 (\$ millions)
- Figure 67. China Taiwan Silicon-based Micro-LED Revenue Growth 2021-2026 (\$ millions)
- Figure 68. Europe Silicon-based Micro-LED Sales Market Share by Country in 2025
- Figure 69. Europe Silicon-based Micro-LED Revenue Market Share by Country (2021-2026)
- Figure 70. Europe Silicon-based Micro-LED Sales Market Share by Type (2021-2026)
- Figure 71. Europe Silicon-based Micro-LED Sales Market Share by Application (2021-2026)
- Figure 72. Germany Silicon-based Micro-LED Revenue Growth 2021-2026 (\$ millions)
- Figure 73. France Silicon-based Micro-LED Revenue Growth 2021-2026 (\$ millions)
- Figure 74. UK Silicon-based Micro-LED Revenue Growth 2021-2026 (\$ millions)
- Figure 75. Italy Silicon-based Micro-LED Revenue Growth 2021-2026 (\$ millions)
- Figure 76. Russia Silicon-based Micro-LED Revenue Growth 2021-2026 (\$ millions)
- Figure 77. Middle East & Africa Silicon-based Micro-LED Sales Market Share by Country (2021-2026)
- Figure 78. Middle East & Africa Silicon-based Micro-LED Sales Market Share by Type (2021-2026)
- Figure 79. Middle East & Africa Silicon-based Micro-LED Sales Market Share by Application (2021-2026)
- Figure 80. Egypt Silicon-based Micro-LED Revenue Growth 2021-2026 (\$ millions)
- Figure 81. South Africa Silicon-based Micro-LED Revenue Growth 2021-2026 (\$ millions)
- Figure 82. Israel Silicon-based Micro-LED Revenue Growth 2021-2026 (\$ millions)
- Figure 83. Turkey Silicon-based Micro-LED Revenue Growth 2021-2026 (\$ millions)
- Figure 84. GCC Countries Silicon-based Micro-LED Revenue Growth 2021-2026 (\$ millions)

Figure 85. Manufacturing Cost Structure Analysis of Silicon-based Micro-LED in 2026

Figure 86. Manufacturing Process Analysis of Silicon-based Micro-LED

Figure 87. Industry Chain Structure of Silicon-based Micro-LED

Figure 88. Channels of Distribution

Figure 89. Global Silicon-based Micro-LED Sales Market Forecast by Region  
(2027-2032)

Figure 90. Global Silicon-based Micro-LED Revenue Market Share Forecast by Region  
(2027-2032)

Figure 91. Global Silicon-based Micro-LED Sales Market Share Forecast by Type  
(2027-2032)

Figure 92. Global Silicon-based Micro-LED Revenue Market Share Forecast by Type  
(2027-2032)

Figure 93. Global Silicon-based Micro-LED Sales Market Share Forecast by Application  
(2027-2032)

Figure 94. Global Silicon-based Micro-LED Revenue Market Share Forecast by  
Application (2027-2032)

## I would like to order

Product name: Global Silicon-based Micro-LED Market Growth 2026-2032

Product link: <https://marketpublishers.com/r/GA3E60FAB4E0EN.html>

Price: US\$ 3,660.00 (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/GA3E60FAB4E0EN.html>