

# The Global Market for Micro-LED Displays 2024-2034

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## Abstracts

MicroLED is a self-emitting display consisting of arrays of microscopic LEDs each forming a pixel. MicroLED commercial activity is picking up considerably. Apple has plans to invest >\$2 billion establishing smartwatch display production with 8" MicroLED chip fab at ams-Osram. Epistar and AUO are building a 6" MicroLED foundry leveraging PlayNitride technology. AUO will also begin production of a smart watch display 1.39" in Q4 23. Jade Bird Display has commenced its production line in Hefei, with the total capacity of 120 million 0.13" MicroLED panels. Several other companies have also set up pilot lines for production. and Samsung is planning to increase manufacturing of microLED TV in 2023. Companies including Raysolve, Hon Hai (Foxconn) and Mojo Vision have recently announced breakthroughs using quantum dots in micro-LED displays.

The Global Market for MicroLED Displays 2024-2034 is an in-depth 330+ page market report providing a comprehensive analysis of emerging Micro-LED display technologies and markets. It evaluates the current status and future outlook for these next-generation LED displays across applications in consumer electronics, automotive, augmented reality, transparent displays, digital signage, and more.

The report profiles over 80 leading companies developing MicroLED products including display manufacturers, LED chip/emitter companies, equipment suppliers and start-ups. It assesses their technology capabilities, product roadmaps, partnerships, and competitive positioning. Detailed technical analysis is provided on MicroLED manufacturing processes such as epitaxial growth, mass transfer techniques, assembly and interconnect technologies. The report compares performance metrics of Micro-LED displays including benefits/drawbacks versus LCD and OLED displays.

In-depth market analysis is provided on adoption trends, drivers and challenges across key industry verticals. Quantitative 10+ year market forecasts are included for MicroLED

display shipments and revenues globally and segmented by product categories, regions and application markets. Overall this report is the most comprehensive source of strategic analysis on the MicroLED display technologies and associated market opportunities through 2034. It is a vital reference for display industry participants, investors, electronics OEMs, and technology companies seeking an in-depth understanding of these emerging displays.

Report contents include:

Technology Introductions to MicroLED Displays

Comparative Analysis of Mini-LED vs Micro-LED

Manufacturing Processes for MicroLED Displays

Chip Fabrication, Epitaxial Growth, Wafer Production

Assembly, Hybrid Integration, Mass Transfer Techniques

Defect Management, Repair and Optimization

Colour Conversion Technologies for MicroLED

Analysis of MicroLED Performance Metrics

Assessment of Benefits and Drawbacks vs LCD and OLED

Emerging Innovations: Flexible, Transparent, 3D Displays

Adoption Roadmaps and Market Opportunities by Application:

Consumer Electronics, Automotive Displays, Signage

AR/VR Devices, Transparent Displays, Lighting, Medical

Supply Chain Ecosystems for MicroLED Displays

Company Profiles of 80+ MicroLED Developers. Companies profiled include AUO, eLux, Innolux, Jade Bird Display, LG Display, Mikro Mesa, Mojo Vision,

PlayNitride, Porotech, Raysolve Technology, Q-Pixel, Samsung Electronics, Sitan Semiconductor International Co. Ltd., Tianma, and Sony.

10-Year Market Forecasts for MicroLED Display Shipments and Revenues

Analysis of Market Drivers, Trends, and Technology Challenges

Regional Markets: North America, Asia-Pacific, Europe, ROW

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