

The Global Mini- and Micro-LED Displays Market 2024-2034

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Abstracts

Mini- and Micro-LEDs are driving innovation in the global display market., offering superior performance, energy efficiency and visual quality compared to other display tech. Micro-LEDs are less than 1/10th the size of a traditional LED, allowing for a much higher pixel density, resulting in a sharper, more vibrant images. Mini-LEDs, while larger than Micro-LEDs, are still significantly smaller than conventional LEDs, and offer a middle ground between LED and Micro-LED tech, allowing for improved performance and efficiency at a lower price point than Micro-LEDs.

Micro-LED and Mini-LED displays consume significantly less power than traditional LED displays, reducing their environmental impact and also improving long-term cost-effectiveness. Lower power consumption results in less heat generation, which can extend the lifespan of the display.

Micro-LED and Mini-LED displays also offer superior visual quality. They can produce deeper blacks and brighter whites, resulting in a higher contrast ratio. They also offer a wider colour gamut. Due to their small size, they are also incorporated into flexible and stretchable displays, facilitating their application in markets including wearables and automotive displays. Apple and Samsung, already incorporate Mini- and Micro-LEDs into their products. Apple utilize Mini-LED technology in the iPad Pro, and Samsung has launched a Micro-LED TV range.

Report contents include:

Analysis of the Mini- and Micro-LED markets, historical, current and future outlook.

Benefits of Mini- and Micro-LEDs.

Market and technology challenges.

Industry news and developments 2020-2023.

Recent mini- & micro-LED display innovations.

Latest information on novel LED growth, transfer techniques, manufacturing and scale up.

Global shipment forecasts to 2034.

Global revenues to 2034.

Analysis of Mini- and Micro-LED including advantages & disadvantages, costs, types of displays, manufacturing, market map, market adoption roadmaps and supply chain.

Analysis of market for Mini- and Micro-LEDs including TVs, smartwatches & wearables, smartphones, laptops, monitors & tablets, advertising displays, flexible & foldable displays, automotive Head-up displays (HUD), headlamps, panels, Visible light communication (Li-Fi), Wearable biomedical devices, virtual reality (VR), augmented reality (AR) and mixed reality (MR) displays and transparent displays.

In-depth profiles of 92 companies. Companies profiled include AU Optronics Corporation, Innolux Corporation, Japan Display Inc. (JDI), LG Display Co., Ltd., Mikro Mesa, NS Nanotech, PlayNitride, Inc., Q-Pixel, Raysolve Optoelectronics, Samsung, Seoul Semiconductor, TCL and Sitan Technology.

Contents

1 REPORT AIMS AND OBJECTIVES

2 EXECUTIVE SUMMARY

- 2.1 The Mini-LED market
- 2.2 The Micro-LED market
- 2.3 The global display market
 - 2.3.1 Display technologies assessment
- 2.4 Benefits of Mini- and Micro-LEDs
- 2.5 Mini- and Micro-LEDs applications
- 2.6 Market and technology challenges
- 2.7 Industry developments 2020-2023
- 2.8 Recent mini- & micro-LED display innovations
- 2.9 Market activity in China
- 2.10 Global shipment forecasts for Mini-LEDs and Micro-LEDs to 2034
 - 2.10.1 Mini-LEDs
 - 2.10.1.1 Units
 - 2.10.1.2 Revenues
 - 2.10.2 Micro-LEDs
 - 2.10.2.1 Units
 - 2.10.2.2 Revenues

3 TECHNOLOGY ANALYSIS

- 3.1 Mini-LED (mLED) vs Micro-LED (μ LED)
 - 3.1.1 Display configurations
- 3.2 Mini-LED displays
 - 3.2.1 Comparison to LCD and OLED
 - 3.2.2 Advantages and disadvantages
 - 3.2.3 Backplane types
 - 3.2.4 Costs
 - 3.2.5 High dynamic range Mini-LED displays
 - 3.2.6 Quantum dot films for Mini-LED displays
 - 3.2.7 Perovskite colour enhancement film in Mini-LEDs
 - 3.2.8 Market map
 - 3.2.9 Market adoption roadmap

3.3 Micro-LED displays

3.3.1 Development

3.3.1.1 Sony

3.3.2 Types

3.3.3 Production

3.3.3.1 Integration

3.3.3.2 Transfer technologies

3.3.4 Comparison to LCD and OLED

3.3.5 Micro-LED display specifications

3.3.6 Advantages

3.3.6.1 Transparency

3.3.6.2 Borderless

3.3.6.3 Flexibility

3.3.7 Tiled microLED displays

3.3.8 Costs

3.3.9 Manufacturing

3.3.9.1 Epitaxy and Chip Processing

3.3.9.1.1 Uniformity

3.3.9.2 Assembly Technologies

3.3.9.2.1 Monolithic fabrication of micro displays

3.3.9.2.2 Mass transfer

3.3.9.2.3 Mass Transfer Processes

3.3.9.2.3.1 Elastomer Stamp Transfer

3.3.9.2.3.2 Roll-to-Roll or Roll-to-Panel Imprinting

3.3.9.2.3.3 Laser-induced forward transfer (LIFT)

3.3.9.2.3.4 Electrostatic Transfer

3.3.9.2.3.5 Micro vacuum-based transfer

3.3.9.2.3.6 Adhesive Stamp

3.3.9.2.3.7 Fluidically Self-Assembled Transfer

3.3.9.3 Full colour conversion

3.3.9.3.1 Phosphor Colour Conversion LEDs

3.3.9.3.2 Quantum dots colour conversion

3.3.10 Market map

3.3.11 Market adoption roadmap

4 THE GLOBAL MARKET FOR MINI- AND MICRO-LEDs

4.1 Consumer electronic display market

4.1.1 Mini-LED Quantum Dot TV

- 4.1.2 Products
- 4.2 Smartwatches and wearables
 - 4.2.1 Apple's planned microLED smartwatch
 - 4.2.2 Samsung
- 4.3 Smartphones
- 4.4 Samsung
 - 4.4.1 Wall display
 - 4.4.2 Neo QLED TV range
 - 4.4.3 MicroLED CX TV line-up
- 4.5 LG
 - 4.5.1 LG mini QNED range
 - 4.5.2 MAGNIT Micro-LED TV
 - 4.5.3 Stretchable 12' microLED touch displays
- 4.6 TCL CSOT
 - 4.6.1 8 Series and 6 Series
 - 4.6.2 Micro-LED displays
- 4.7 Laptops, monitors and tablets
 - 4.7.1 Mini-LED
 - 4.7.2 Mini-LED and Micro-LED laptop, monitor and tablet products and prototypes

5 FLEXIBLE, STRETCHABLE AND FOLDABLE MICRO-LED

- 5.1 The global foldable display market
- 5.2 Foldable Micro-LED displays
- 5.3 Product developers

6 BIOTECH AND MEDICAL DISPLAYS

- 6.1 The global medical display market
- 6.2 Micro-LEDs
 - 6.2.1 Micro-LEDs for medical applications
 - 6.2.1.1 Implantable Devices
 - 6.2.1.2 Lab-on-a-Chip
 - 6.2.1.3 Endoscopy
 - 6.2.1.4 Surgical Displays
 - 6.2.1.5 Phototherapy
 - 6.2.1.6 Biosensing
- 6.3 Product developers

7 AUTOMOTIVE

7.1 Global automotive displays market

7.2 Mini-LED

7.2.1 Dashboard Displays

7.2.2 Head-Up Displays (HUDs)

7.2.3 Digital Instrument Clusters

7.2.4 Ambient Lighting

7.2.5 Exterior Lighting

7.3 Micro-LEDs

7.3.1 Head-up display (HUD)

7.3.2 Headlamps

7.4 Product developers

8 VIRTUAL REALITY (VR), AUGMENTED REALITY (AR) AND MIXED REALITY (MR)

8.1 Global market for virtual reality (VR), augmented reality (AR), and mixed reality (MR)

8.2 Mini-LEDs

8.3 Micro-LEDs

8.3.1 AR/VR Smart glasses and head-mounted displays (HMDs)

8.3.2 Micro-LED contact lenses

8.3.3 Products and prototypes

9 TRANSPARENT DISPLAYS

9.1 Global transparent displays market

9.2 Mini-LED and Micro-LED transparent displays applications

9.3 Product developers

10 SUPPLY CHAINS

10.1 Mini-LEDs

10.2 Micro-LEDs

11 COMPANY PROFILES 143 (92 COMPANY PROFILES)

12 REFERENCES

List Of Tables

LIST OF TABLES

- Table 1. Announced Micro-LED fabs.
- Table 2. Summary of display technologies.
- Table 3. Mini- and Micro-LED applications.
- Table 4. Micro-LED applications.
- Table 5. Market and technology challenges for mini- and micro-LED.
- Table 6. Micro- and Micro-LED industry developments 2020-2023.
- Table 7. Mini- and micro-LED product announcements at CES 2021.
- Table 8. Mini- and micro-LED product announcements at CES 2022 and Display Week 2022.
- Table 9. Mini- and micro-LED product announcements at CES 2023 and Display Week 2023.
- Table 10. Mini- and micro-LED activity in China.
- Table 11. Mini-LEDs backlights global market 2020-2034, by market (Million units).
- Table 12. Global Micro-LED display market (thousands of units) 2020-2034.
- Table 13. Comparison between mini-LED and micro-LED.
- Table 14. Comparison between Mini-LED displays and other display types.
- Table 15. Advantages and disadvantages of Mini-LEDs.
- Table 16. Comparison of AM and PM driving.
- Table 17. Micro-LED backlight costs.
- Table 18. Comparison to conventional LEDs.
- Table 19. Types of Micro-LED.
- Table 20. Summary of monolithic integration, monolithic hybrid integration (flip-chip/wafer bonding), and mass transfer technologies.
- Table 21. Summary of different mass transfer technologies.
- Table 22. Micro-LED Comparison to LCD and OLED.
- Table 23. Schematic comparison to LCD and OLED.
- Table 24. Commercially available Micro-LED products and specifications.
- Table 25. Micro-LED-based display advantages and disadvantages.
- Table 26. Mass transfer methods, by company.
- Table 27. Comparison of various mass transfer technologies.
- Table 28. Comparison of LED TV technologies.
- Table 29. Mini-LED and Micro-LED TVs launched 2022-2023.
- Table 30. Mini-LED and Micro-LED TV products.
- Table 31. Samsung Neo QLED TV range.
- Table 32. LG mini QNED range

Table 33. TCL range of Mini-LED TVs.

Table 34. Mini-LED and Micro-LED laptop, monitor and tablet products and prototypes.

Table 35. Flexible, stretchable and foldable Mini-LED and Micro-LED products.

Table 36. Medical display Mini-LED and Micro-LED products.

Table 37. Automotive display & backlight architectures

Table 38. Applications of Micro-LED in automotive.

Table 39. Automotive display Mini-LED and Micro-LED products.

Table 40. Comparison of AR Display Light Engines.

Table 41. Micro-LED based smart glass products.

Table 42. Applications of Mini-LED and Micro-LED transparent displays.

Table 43. Companies developing Micro-LED transparent displays.

Table 44. Micro-LED supply chain.

Table 45. LG mini QNED range

Table 46. Samsung Neo QLED TV range.

Table 47. San'an Mini and Micro LED Production annual target.

Table 48. NPQDTM vs Traditional QD based Micro-LEDs.

Table 49. TCL Mini-LED product range.

List Of Figures

LIST OF FIGURES

- Figure 1. Blue GaN Micro-LED arrays with 3 μ m pixel pitch use polychromatic quantum dot integration to achieve full colour AR displays.
- Figure 2. The progress of display technology, from LCD to Micro-LED.
- Figure 3. Video wall.
- Figure 4. Automotive dashboard display.
- Figure 5. Public advertising displays.
- Figure 6. Wearable biomedical devices.
- Figure 7. Head-up displays (HUD).
- Figure 8. Pico-projectors.
- Figure 9. Mojo Vision's 300-mm GaN-on-silicon blue LED wafer for microLED displays.
- Figure 10. Global Mini-LED display gmarket 2020-2034, by market (Million units).
- Figure 11. Global Mini-LED display market 2020-2034, by market (Million USD).
- Figure 12. Global Micro-LED display market (thousands of units) 2020-2034.
- Figure 13. Global Micro-LED display market 2020-2034, by market (Million USD).
- Figure 14. Display system configurations.
- Figure 15. Schematic of LCD with Micro-LED backlight.
- Figure 16. Schematic for configuration of full colour Micro-LED display
- Figure 17. BOE glass-based backplane process.
- Figure 18. MSI curved quantum dot Mini-LED display.
- Figure 19. Nanolumi Chameleon® G Film in LED/LCD Monitor.
- Figure 20. Market map for Mini-LED displays.
- Figure 21. Market adoption roadmap for microLED displays.
- Figure 22. Micro-LED schematic.
- Figure 23. Pixels per inch roadmap of μ -LED displays from 2007 to 2019.
- Figure 24. Mass transfer for μ LED chips.
- Figure 25. Schematic diagram of mass transfer technologies.
- Figure 26. Comparison of Micro-LED with other display technologies.
- Figure 27. Lextar 10.6 inch transparent Micro-LED display.
- Figure 28. Transition to borderless design.
- Figure 29. Schematics of a elastomer stamping, b electrostatic/electromagnetic transfer, c laser-assisted transfer and d fluid self-assembly.
- Figure 30. Schematics of Roll-based mass transfer.
- Figure 31. Schematic of laser-induced forward transfer technology.
- Figure 32. Schematic of fluid self-assembly technology.
- Figure 33. Schematic of colour conversion technology.

- Figure 34. Process flow of a full-colour micro display.
- Figure 35. Market map for Micro-LED displays.
- Figure 36. Market adoption roadmap for microLED displays.
- Figure 37. LG QNED Mini-LED TV.
- Figure 38. Micro-LED wearable display prototype.
- Figure 39. APHAEA Watch.
- Figure 40. Samsung Wall display system.
- Figure 41. Samsung Neo QLED 8K.
- Figure 42. Samsung Electronics 89-inch microLED TV.
- Figure 43. MAGNIT Micro-LED TV.
- Figure 44. Stretchable 12' microLED touch displays.
- Figure 45. AUO AmLED.
- Figure 46. laptop ROG Zephyrus Duo 16.
- Figure 47. Acer Predator X32 Mini-LED Gaming Monitor.
- Figure 48. Acer EI491CRG9 curved Mini-LED display.
- Figure 49. AOC 27-inch Mini LED-backlit gaming monitor AG2740GM.
- Figure 50. 12.9-inch iPad Pro.
- Figure 51. Apple Pro Display XDR.
- Figure 52. Asus ProArt PA32UCX.
- Figure 53. ROG Swift PG32UQXE.
- Figure 54. Lenovo ThinkVision Creator Extreme P27.
- Figure 55. Creator 17 gaming laptop.
- Figure 56. Samsung Odyssey G9 Neo gaming monitor.
- Figure 57. AU Optonics Flexible Micro-LED Display.
- Figure 58. Schematic of the TALT technique for wafer-level Micro-LED transferring.
- Figure 59. 55" flexible AM panel.
- Figure 60. Foldable 4K C SEED M1.
- Figure 61. Micro-LEDs for medical applications
- Figure 62. 2023 Cadillac Lyriq EV incorporating mini-LED display.
- Figure 63. Micro-LED automotive display.
- Figure 64. Issues in current commercial automotive HUD.
- Figure 65. Rear lamp utilizing flexible Micro-LEDs.
- Figure 66. Mojo Vision smart contact lens with an embedded Micro-LED display.
- Figure 67. Cellid AR glasses, Exploded version.
- Figure 68. Air Glass.
- Figure 69. Panasonic MeganeX.
- Figure 70. Thunderbird Smart Glasses Pioneer Edition.
- Figure 71. RayNeo X2.
- Figure 72. tooz technologies smart glasses.

- Figure 73. Vuzix Micro-LED micro display Smart Glasses.
- Figure 74. Leopard demo glasses by WaveOptics.
- Figure 75. Different transparent displays and transmittance limitations.
- Figure 76. 7.56' high transparency & frameless Micro-LED display.
- Figure 77. AUO's 13.5-inch transparent RGB microLED display.
- Figure 78. 17.3-inch transparent microLED AI display in a Taiwan Ferry.
- Figure 79. Supply Chain of Mini-LED Backlight.
- Figure 80. WireLED in 12" Silicon Wafer.
- Figure 81. Typical GaN-on-Si LED structure.
- Figure 82. 300 mm GaN-on-silicon epiwafer.
- Figure 83. Micro-LED chiplet architecture.
- Figure 84. Concept Apple Vr Ar Mixed Reality Headset.
- Figure 85. 1.39-inch full-circle Micro-LED display
- Figure 86. 9.4' flexible Micro-LED display.
- Figure 87. BOE Mini-LED display TV.
- Figure 88. BOE Mini-LED automotive display.
- Figure 89. Image obtained on a blue active-matrix WVGA (wide video graphics array) micro display.
- Figure 90. Fabrication of the 10- μ m pixel pitch LED array on sapphire.
- Figure 91. A 200-mm wafer with CMOS active matrices for GaN 873 ? 500-pixel micro display at 10- μ m pitch.
- Figure 92. IntelliPix™ design for 0.26? 1080p Micro-LED display.
- Figure 93. C Seed 165-inch M1 Micro-LED TV.
- Figure 94. N1 folding Micro-LED TV.
- Figure 95. C Seed outdoor TV.
- Figure 96. Focally Universe AR glasses.
- Figure 97. Flexible Micro-LED.
- Figure 98. Jade Bird Display micro displays.
- Figure 99. JBD's 0.13-inch panel.
- Figure 100. 0.22" Monolithic full colour Micro-LED panel and inset shows a conceptual monolithic polychrome projector with a waveguide.
- Figure 101. Prototype Micro-LED display.
- Figure 102. APHAEA Micro-LED watch.
- Figure 103. Lextar 2021 micro LED and mini LED products.
- Figure 104. LSAB009 Micro-LED display.
- Figure 105. LG MAGNIT 4K 136-inch TV.
- Figure 106. 12' 100 PPI full-color stretchable microLED display.
- Figure 107. Schematic of Micro Nitride chip architecture.
- Figure 108. Nationstar Mini LED IMD Package P0.5mm.

Figure 109. 55" flexible AM panel.

Figure 110. 9.4' flexible Micro-LED display.

Figure 111. 7.56-inch transparent Micro LED display.

Figure 112. PixeLED Matrix Modular Micro-LED Display in 132-inch.

Figure 113. Dashboard - 11.6-inch 24:9 Automotive Micro-LED Display.

Figure 114. Center Console - 9.38-inch Transparent Micro-LED Display.

Figure 115. 48 x 36 Passive Matrix Micro-LED display.

Figure 116. Micro-LED micro display based on a native red InGaN LED.

Figure 117. Micro-LED stretchable display.

Figure 118. The Wall.

Figure 119. Samsung Neo QLED 8K.

Figure 120. NPQD™ Technology for Micro-LEDs.

Figure 121. Wicop technology.

Figure 122. B-Series and C-Series displays.

Figure 123. A micro-display with a stacked-RGB pixel array, where each pixel is an RGB-emitting stacked Micro-LED device (left). The micro-display showing a video of fireworks at night, demonstrating the full-colour capability (right). N.B. Areas around the display/

Figure 124. TCL Mini-LED TV schematic.

Figure 125. TCL 8K Mini-LED TV.

Figure 126. The Cinema Wall Micro-LED display.

Figure 127. Photo-polymer mass transfer process.

Figure 128. 7.56" Transparent Display.

Figure 129. 7.56' Flexible Micro-LED.

Figure 130. 5.04' seamless splicing Micro LED.

Figure 131. 7.56' Transparent Micro LED.

Figure 132. UMini0.9 4K.

Figure 133. VueReal Flipchip Micro-LED (30x15 um²).

Figure 134. Vuzix uLED display engine.

Figure 135. Mi TV Master series.

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