

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.

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