

ABSTRACT

MicroLED Display Technology & Market Report - 2017

September 2017

PRELIMINARY REPORT CONTENTS

GENERAL INFORMATION

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- Advantages & Disadvantages
- Development History
- Current Status & Future Outlook
- Keys to Success

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MicroLED display technology has emerged as a potential contender in selected display applications and markets, which are currently dominated by LCD technology or rapidly maturing OLED display technology. It is also expected to compete in microdisplay and large-area signage applications.

Given the ongoing development activity in this emerging display technology domain, there is considerable speculation as to when MicroLED displays will reach the market and how much success they will experience. This report will help to explain MicroLED technology to a broad audience and inform them of its anticipated potential for success in the display market and under what circumstances.

This comprehensive report thoroughly assesses MicroLED display technology and its market outlook. It reviews the potential applications and markets for MicroLED displays, describes the value chain in detail, and review all aspects of the requisite manufacturing technologies.

Report Overview

- This report is expected to be of interest to organizations involved in new display technology development or emerging display applications and markets. The report will also be of interest the producers of LED devices and the suppliers of epitaxial equipment for LED production equipment as MicroLED technology represents a large potential business opportunity.
- The purpose of this report is to introduce readers to MicroLED display technology, provide a thorough assessment of its potential by application in the display market, describe the value chain and existing players, detail its advantages and disadvantages vs. existing display technologies, and review the anticipated technical challenges.

Key Issues Addressed

- What are MicroLED displays and how do they compare to conventional LCD and OLED displays, in terms of performance and manufacturing costs?
- How might MicroLED display be commercialized over time?
- What is the market outlook for MicroLED displays? Which display applications are most promising?
- Who is currently developing MicroLED displays and how might they position them in the display market?
- What does the MicroLED value chain look like and who are the participants?
- How are MicroLED displays produced and what technical challenges are anticipated?
- What are the keys to success for MicroLED displays?

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