

Accumulate technology celebrates its 20th anniversary, optimistic about Micro LED into the future display mainstream technology

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2019 Welcome to the 20th Anniversary of Accumulation Technology, the 20th Anniversary Forum and Celebration Meal on the 27th (Thursday), with the "Future Five Years of Luminous Diode Display Technology" as the main axis, invite the industry to share the micro-light emitting diode (Micro LED) technology, flip LED market awareness, together with the new bureau of the display industry.

Chen Qikai, general manager of Accumulation Technology, said that in order to celebrate the 20th anniversary, invited guests such as ITRI, Yuchuang Technology and Xinxing Electronics to present the latest technological progress of Micro LED with the title of "Looking at LED Next Generation Display Technology Micro LED". Future trends. Micro LED is a new generation LED display technology with high brightness, high resolution and high color saturation. Its features can replace the existing LCD screen solution and have strong competitiveness. It is expected to become the mainstream display technology in the future. the key of. In addition, according to the LEDinside report of Jibang Technology, it is estimated that the output value of the Micro LED market will reach 2.891 billion US dollars by 2025.

First of all, Lin Jianzhong, the leader of the Intelligent Application Microsystems of the Institute of Industrial Optoelectronics, was invited to start with the theme of "Development of Miniature Light Emitting Diodes", pointing out that the miniaturization of thin film LEDs is of great significance to the display industry. Micro-light emitting diodes play an important role in different industries, including large display screens, wearable vehicles, and future AR/MR. They also review the development of miniature light-emitting diodes at ITRI. There will be great potential for future development.

Liu Wenfang, deputy general manager of Xinxing Electronics R&D Department, discussed the key technical obstacles for the development of Micro LEDs - "High Density Printed Circuit Board (PCB) for "PCB and Micro LED Common Spectrum Public Display (PID) Beautiful New Movement"; Technology advancement and application, cost analysis and the reasons for the successful development of the same accumulation technology. Liu Wenfang is looking forward to actively accelerating the development of Micro LEDs in public displays, making high-resolution LED displays stand out in the world.

Responding to the topic of this forum, General Manager of Accumulation Technology, Awakened, talked about the "Challenges and Opportunities for Mini LED and Micro LED Ultra-Small Space Display Technology", saying that Micro LED has not yet achieved a critical breakthrough in current technology and equipment. At this stage, it still faces technical bottlenecks. However, under the wave of high-end display specifications, Accumulation Technology is optimistic about Micro LED-based related applications, and locks LED driver and driver IC and module production technology related to ultra-small-pitch display. How to develop the process of driving ICs and modules. Accumulation Technology is ready to provide the best solution for next-generation LED display applications.

Then, Dr. Li Yunli, CEO and founder of the company, shared the "Progress and Challenges in Micro LED Display Technology Development", and further explored the introduction of Micro LED display technology, current development, application potential and market opportunities. Among them, Micro LED has the advantages of LCD and OLED two display technologies, and its small size and self-illumination without the need of backlight, has become the mainstream trend of LED in the future.

Finally, Jeremy Hochman, CEO of Megapixel VR, proposed the importance of the color balance of the display to the viewer's vision, and pointed out that the white balance effect is an important indicator of the LED display, and the effect depends on the control system of the display. As far as the current LED display technology is concerned, when viewers look at large-size display screens from different viewing angles, it is easy to cause color shift problems and cause poor visual perception. He said that it is inevitable in the current stage of LED technology, and it is mainly due to the problem of excessive size of the driver IC chip and package management, which is an issue that IC manufacturers and packaging factories must pay attention to. Jeremy Hochman suggested in the forum that the characteristics and advantages of Mini LED and Micro LED can be properly utilized in future trends, effectively suppressing the color shift caused by different viewing angles on large-size displays.

The momentum of the Micro LED is gradually rising, and the topic continues to have a fever. Accumulation Technology once again thanked the participating guests and partners for their participation in the next 20th anniversary. At the same time, through this forum, we will discuss the development and future prospects of Micro LED driver IC technology, and we hope to cooperate with customers to create LEDs. The future of display technology, the application of Micro LED to ultra-small-pitch display, has become the pioneer of next-generation LED display technology.

(Source of the first picture: Accumulation Technology)

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