

Realfiction and PlayNitride to unveil world's first glasses-free 3D MicroLED display

Realfiction Holding AB ("Realfiction"), a leading innovator in advanced display technologies, is proud to announce a major milestone achieved in collaboration with PlayNitride: the unveiling of the world's first MicroLED-based 3D display, powered by Realfiction's Directional Pixel Technology. The 9-inch display will be exhibited for the first time at Touch Taiwan 2025, taking place from April 16 to April 18 at the Taipei Nangang Exhibition Center.

Developed through close cooperation with PlayNitride, the display combines their world-class MicroLED expertise with Realfiction's latest-generation Spatial Light Modulator (SLM)—a key enabler of immersive multi-view, glasses-free 3D experiences. It is engineered to function across all major display technologies, including MicroLED, OLED, LCD, and LED.

"We are thrilled to collaborate with PlayNitride in bringing the world's first MicroLED-based glasses-free 3D display to life," said Clas Dyrholm, CEO of Realfiction. "This breakthrough demonstrates that our Directional Pixel Technology is not only viable, but scalable across the most advanced display platforms available today."

The 9-inch display format reflects alignment with PlayNitride's existing product lineup. Realfiction's technology is inherently scalable and suitable for a wide range of display sizes and applications.

This achievement addresses a key challenge in developing 3D displays based on MicroLED technology. While MicroLED offers exceptional brightness and speed, its high heat output and modular structure makes it incompatible with traditional lenticular approaches to 3D. These lense-based displays suffer from heat-related degradation, alignment inaccuracies, and resolution loss – issues that are worsened by the intensity of MicroLED panels. Realfiction's Directional Pixel Technology does not rely on lenticular sheets, making it uniquely well-suited for MicroLED and enabling reliable, high-performance glasses-free 3D displays for the first time.

Following strong interest from recent presentations in Asia and the upcoming Touch Taiwan exhibition, Realfiction is currently refining discussions with potential partners with the goal of establishing NRE (non-recurring engineering) and license agreements for commercial display development based on its Spatial Light Modulator.

"We believe this innovation marks the beginning of a new chapter for the display industry," added Dyrholm. "We are actively seeking partners who share our vision for the future of 3D and multi-view display technology."

To learn more about PlayNitride's cutting-edge MicroLED innovations showcased at Touch Taiwan, we recommend reading [this publicly available article](#).

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About PlayNitride

Founded in 2014 and headquartered in Zhunan Township, Taiwan, PlayNitride Inc. is a leading innovator in MicroLED technology. The company specializes in the research, development, and manufacturing of MicroLED display products, modules, and panels. PlayNitride's proprietary technologies, including PixeLED® Display and SMAR-Tech®, enable high-resolution, high-brightness, and transparent displays for a wide range of applications such as wearables, automotive displays, augmented reality (AR), and large-area signage. The company collaborates with global partners to advance the commercialization of next-generation display solutions.

PlayNitride is publicly listed on the Taiwan Stock Exchange under the ticker symbol 6854.TW.

For more information, please visit www.playnitride.com.

About Realfiction Holding AB

Founded in Denmark in 2008, Realfiction is a provider of cutting-edge 3D display technologies designed for tomorrow's needs, featuring technological breakthroughs with its Directional Pixel Technology for LCD, OLED and microLED. These technologies support a wide range of use cases, including enhancing driving safety, medical imaging, immersive gaming and entertainment, digital signage, as well as applications in architecture, engineering, and design. The Company offers a comprehensive intellectual property portfolio tailored for OEMs and Tier-1 partners involved in developing and marketing displays for markets and industries requiring high-resolution multistereoscopic displays. All technologies are ready for licensing, and Realfiction is actively pursuing commercial licensing agreements and partnerships to pave the way to mass production. Realfiction's patent portfolio comprises 15 patent families with applications filed in multiple countries. Realfiction Holding AB's shares are publicly traded on Nasdaq Stockholm First North under the symbol "REALFI", with the share's ISIN code being SE0009920994.

Attachments

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