Press Release
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Insight Media publishes new whitepaper on Realfiction's groundbreaking multi-user 3D display technology

Today, Insight Media has published a technical whitepaper titled ”Hybrid Scan Display - Delivering multiple 3D images to multiple viewers”. The whitepaper authored by renowned display industry expert Chris Chinnock, explores Realfiction’s innovative advancements in multi-user 3D display technology using MicroLED. Chinnock was commissioned by Realfiction to write this whitepaper, drawing from his extensive experience and knowledge in the display field.

Realfiction has developed Directional Pixel Technology (DPT), to create glasses-free 3D displays for multiple users. The whitepaper provides a detailed analysis of the Company’s progress in MicroLED displays, following Chinnock’s continued observation over the last few years at key industry events like SID Display Week and CES. Chinnock also conducted interviews with Steen Iversen, Realfiction’s Director of Advanced Display Technology, further exploring the Company’s efforts to overcome current technical challenges. This whitepaper builds on topics presented during Steen Iversen’s keynote at the PlayNitride MicroLED Technology Forum 2024, held on September 3rd in Taipei, Taiwan. In his keynote, Iversen highlighted Realfiction’s breakthrough Hybrid Scan technology, which combines fast ferroelectric liquid crystals (FLC), MicroLED, and innovative driving algorithms to deliver high-quality, glasses-free 3D displays for multiple viewers. The whitepaper offers further insights into Realfiction’s patent-pending technology.

MicroLED is not yet mainstream, but it holds promise due to its lower power consumption, higher brightness, faster response time, and longer lifetime. While there are still areas for optimization, significant progress is being made in addressing production maturity and cost efficiency. Major display manufacturers are actively advancing toward the commercialization of this promising technology.

As previously communicated Realfiction has secured exclusive global rights to use fast ferroelectric liquid crystals for 3D displays larger than 9 inches. The Hybrid Scan technology represents a significant leap forward, addressing the technical challenges of creating immersive, glasses-free 3D displays for multiple users.

“We are thrilled with Chris Chinnock’s thorough analysis and recognition of our DPT platform in this whitepaper. His insights validate the remarkable progress we've made in multi-user 3D display technology,” said Clas Dyrholm, CEO of Realfiction. “Our DPT platform is versatile, covering all relevant current and emerging display technologies, including LCD, OLED, and MicroLED. As previously announced, we are ready to license the DPT platform and help our existing and future customers integrate it into commercial-grade display products. We have proven this with the first commercial agreement for a proof of concept announced just last week. We are excited to continue scaling our technology, including a MicroLED based 15-17 inch display demonstrator that we are currently tailoring using inputs from industry leaders.”

For more information, download the full whitepaper **here** and attached, and learn more from attached slides from Steen Iversen's keynote speech presented earlier this month.

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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.

About Chris Chinnock
Chinnock holds a BSEE from the University of Colorado and has previously worked for companies such as General Electric, Honeywell, MIT Lincoln Labs and Barnes Engineering. In 1998 he founded Insight Media, which published newsletters and market reports on the emerging parts of the display industry. Insight Media also produced many display events such as Display Summit, QLED and Advanced Display Summit, Streaming Media for Field of Light Displays (SMFoLD), and more. Chinnock also helped found and lead two display-focused industry organizations: the 3D @ Home Consortium and the 8K Association.

Attachments
Insight Media publishes new whitepaper on Realfiction's groundbreaking multi-user 3D display technology
Hybrid Scan Display Published Whitepaper
PlayNitride MicroLED Forum2024 Handout