

News Release

trinamiX presents secure Face Authentication firstly integrated behind a foldable screen for smartphones at International Display Week

- Presentation of trinamiX secure Face Authentication with unique liveness detection for the next generation of foldable smartphones
- Easy to integrate behind OLED displays without compromising device slimness.
- First public demonstration at the International Display Week in San Jose, USA

May 14, 2024, San Jose, USA/Ludwigshafen, Germany. **trinamiX, a leading provider of biometric solutions, showcase their invisible integration of secure Face Authentication into a foldable screen for smartphones. The solution is integrated behind OLED and offers enhanced security and convenience for users, without compromising on display quality or device slimness. It will be demonstrated at the International Display Week, hosted by the International Society for Information Display (SID) in San Jose, USA from May 14-16, 2024.**

The featured OLED display meets the growing demand for secure Face Authentication in foldable smartphones. The unique patented technology of trinamiX securely verifies a user's identity by differentiating between human skin and other materials for reliable liveness detection. This integration does not require punch holes or notches, allowing users to fully utilize the large screen of foldable phones. The result is an immersive visual experience.

"It is an exciting challenge to integrate secure face authentication behind a foldable OLED screen for the first time. trinamiX Face Authentication not only operates invisibly under the foldable screen, but thanks to its small form factor, the module is also easy to integrate without compromising the design. This is a major technological breakthrough for foldable smartphones, and we are convinced that it will attract great interest from smartphone manufacturers," says Stefan Metz, Director Consumer Electronics Asia, trinamiX GmbH.

Patented Face Authentication with trinamiX liveness detection

trinamiX Face Authentication utilizes regular 2D face detection and recognition, along with its unique liveness checks based on skin detection. This touchless solution offers enhanced security and convenience, meeting the biometric security requirements set by organizations such as the International Internet Finance Authentication Alliance (IIFAA), the FIDO Alliance, and Android (Google). The solution has been approved for Android integration and high-security applications, including digital payment processes. The implementation of trinamiX Face Authentication behind OLED, without compromising device slimness, sets a new standard for secure and impressive smartphone experiences.

trinamiX at the International Display Week

The demonstrator of the OLED foldable screen with integrated secure Face Authentication is showcased at booth 315. Johannes Meder, Lead Global Marketing & Product Management – Consumer Electronics, will be on site to provide further details.

trinamiX @ International Display Week//Exhibition

14 to 16 May 2024,

McEnery Convention Center

San Jose, California, USA

Booth #315

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About trinamiX GmbH

trinamiX GmbH develops cutting-edge biometric and mobile NIR spectroscopy solutions, which are used in both consumer electronics and industrial designs. The company's products enable humans and machines to better capture data with the goal of understanding the world around us. This results in improved decision making as well as stronger biometric security. trinamiX, based in Ludwigshafen (Germany), was founded in 2015 as a wholly owned subsidiary of BASF SE. The company employs over 240 people worldwide and holds more than 650 patents and patent applications.

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