trinamiX Face Authentication behind OLED earns international biometric security certificate by IIFAA

- Solution fulfills leading biometric standard applied by key players in the FinTech industry and with widest market coverage in China
- Successful protection against fraud attempts that still pose a challenge to common solutions
- trinamiX Face Authentication is the first that was certified behind OLED

March 14, 2022 (Ludwigshafen, Germany) – **trinamiX Face Authentication fulfills the biometric security requirements defined by the International Internet Finance Authentication Alliance (IIFAA). After lately announcing the fulfilment of the FIDO Alliance and Android Biometric Security standards, the German tech company is now topping it off with their newest certification. trinamiX GmbH, a subsidiary of BASF SE, has thereby proven to be suited for integration in digital payment processes with particularly high security demands. Their solution is the first to pass these tests while the hardware is invisibly mounted behind OLED. IIFAA's standard is adhered to by leading players in the FinTech industry and has the widest market coverage in China.**

According to a study published by Statista in 2021, the transaction value of worldwide digital payments will grow to 10 trillion USD in 2025.[1] While that number is continuously rising, trinamiX has set out to keep it safe. Their biometric solution was developed to better protect users during authentication, thus closing one of FinTech's crucial security gaps. trinamiX recently gave proof of that as their face authentication was announced to be officially accredited for Android integration and to be certified in Android Biometric Class 3 and FIDO Level C (the respective top standards). On top of that, it has now proven to fulfill the particularly high demands of the finance sector, based on IIFAA's leading industry standard. International players in the industry, e.g., Taobao, Alipay, Ant Fortune and Nanjing Bank, are already building their solutions upon the alliance's specifications.

Raising users' trust in digital financial services

trinamiX Face Authentication became the world's first to pass all these tests and to provide "financial-level security"[2] while all hardware was integrated behind a full-screen display. "We've finally received living proof of our capability to raise the bar of biometric security," Stefan Metz, Director 3D Imaging Business at trinamiX, stated. "Our solution can mean a breakthrough to the world of digital payment, allowing users to better trust in and benefit from digital financial services." The innovative strength of this solution unveils itself through a closer look into the underlying technology: trinamiX Face Authentication introduces a one-of-a-kind liveness check to the authentication process in order to tell whether the object in front of the camera is an actual human-being. In addition to checking the presented face for three-dimensional depth, it reliably detects skin versus other materials. Thanks to skin detection, not even a hyperrealistic replica of a user's face can trick the system – while common biometric authentication solutions are still prone to these fraud attempts.

The latest test result of trinamiX Face Authentication, issued by IIFAA's testing agency, certifies that the solution complies with the IIFAA Biometric Face Security Test Requirement, which is an established authentication standard for digital financial services.

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[1] Statista FinTech market report (2021), based on transaction value

[2] See https://ifaa.org.cn/certification/introduction

More information about IIFAA

The **International Internet Finance Authentication Alliance** (IIFAA) was established in 2015 and jointly initiated by the China Academy of Information and Communications Technology, Ant Financial, Huawei, Samsung, Alibaba and ZTE. Today, it counts 280 member organizations including e.g., leading application manufacturers, mobile terminal manufacturers, algorithm manufacturers and national testing institutions. The alliance aims to ensure the convenience, security and credibility of using biometrics as a method of identity authentication. Their trusted digital identity specifications are applied and supported on more than 1.6 billion mobile phone devices by 36 mobile phone brands around the world. With more than 800 million users of their accredited authentication solutions, IIFAA currently has the largest market coverage in China.

http://vip.ifaa.org.cn/en/ (ENG) / https://ifaa.org.cn/about (CN)

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 200 people worldwide and holds more than 300 patents and patent applications.

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