fime

Fime test session confirmation letter

Biometric subcomponent test session according to

ISO Standards

Test session carried out from December 15th, 2025 to January 16th, 2026 for

Kneron Co., Ltd

Fime hereby confirms that the **Face Recognition Module v1.0** product developed by **Kneron Co., Ltd** has completed biometric **Performance and Presentation Attack Detection** testing carried out in accordance with **ISO/IEC 30107-1, ISO/IEC 30107-3, ISO/IEC 19795-1** and **ISO/IEC 19795-2**.

This test session was performed from **December 15th, 2025** to **January 16th, 2026** at **Fime EMEA Lab** on samples **C25STN01-803**.

Tested product is a facial authentication system based a NIR camera technology, embedded in an Access control module and designed for biometric authentication.

The sample tested by Fime was tested in accordance with the methodological requirements established in agreement between Fime and Kneron Co., Ltd and described hereafter. Detailed results are provided in official test report: n°**C15REP01-803_v1.0**.

Tested sample identification

- Name: Face Recognition Module
- Version: 1.0
- Number of samples: 3
- Biometric modality: Facial
- Biometric sensor technology: NIR Camera
- Software name and version: KnDoorLock

The tests were carried out in accordance with following standard method guidance and documents:

- ISO/IEC 30107-1:2023
- ISO/IEC 30107-3:2023
- ISO/IEC 19795-1:2021
- ISO/IEC 19795-2:2007

Testing was conducted using Face Recognition Module v1.0 devices for which KnDoorLock application, which perform enrolment and verification operations, has been installed on a laptop. On one part, Presentation Attack Detection test method has involved 15 subjects, 6 recipes level Alpha and 6 level Beta, which has permitted to design 180 presentation attack instruments (PAI). Each PAI have been tested 10 times against product, under 3 conditions, leading to 1800 presentation attacks. Test results show that *Face Recognition Module v1.0 global* APCER (Attack Presentation Classification Error Rate) measured is 0.00% while BPCER (Bona Fide Presentation Classification Error Rate) measured is 0.00%.

On a second part, Performance testing method has involved 150 subjects, each performing 1 enrolment and 10 verifications, under 3 conditions, which has permitted to collect 1500 biometric verification transactions for FRR computation (False Reject Rate) and 2.2×10^6 biometric verification transactions for FAR computation (False accept rate).. Test results show that *Face Recognition Module v1.0 global* FRR measured is 0.00% while FRR measured is 0.00%.

Fime laboratory meet Android™ requirement for testing the biometric security of Android devices, and are accredited by various biometrics standards, such as NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for biometric testing (NVLAP Lab Code 600365-0)* and FIDO Alliance Biometric Component Certification, to perform evaluations for biometric products, systems and subcomponents. Fime implements standardized and trusted quality control testing procedures and methodologies, to perform products test sessions.

January 28th, 2026

Guillaume YVON
Biometric Activity Manager