



Fime test session confirmation letter

Biometric subcomponent test session according to ISO Standards

Test session carried out from May 15th, 2026 to May 21st, 2026 for
Quang Trung Digital Technology and Service Joint Stock
Company and Techainer Joint Stock Company

Fime hereby confirms that the **QTS & Techainer Liveness Detection v1.0** product developed by **Quang Trung Digital Technology and Service Joint Stock Company and Techainer Joint Stock Company** has completed biometric **Presentation Attack Detection** testing carried out in accordance with **ISO/IEC 30107-1**, and **ISO/IEC 30107-3**.

This test session was performed from **May 15th, 2026** to **May 21st, 2026** at **FIME (FEIMA Ltd Taiwan Branch)** on sample **received on May 14th 2026**. Tested product is a **software application for liveness detection** designed for use with optical camera technology on smartphones.

The results of the test session demonstrate that sample tested meet both Level 1 and Level 2 compliance levels established with the guidance of documents described hereafter. The detailed results are provided in official test report: **T26REP00-300_QTS_Techainer Liveness Detection _v1.0**.

Testing was conducted using FIME devices, one LG Wing 5G running Android 10 or higher with a frontal camera of 32MP and an Apple iPhone 16 running iOS 18 or higher with a frontal camera of 12MP, both having **QTS & Techainer Liveness Detection v1.0** installed which assesses directly the spoof detection. Test method has involved 8 subjects, 4 recipes for level Alpha PAIs and 2 recipes for level Beta PAIs which has permitted the design of 48 PAIs. Each PAI has been tested 10 times with each device against the product, in standard condition, leading to 960 presentation attacks. Test results show that QTS & Techainer Liveness Detection v1.0 global APCER (Attack Presentation Classification Error Rate) observed is 0.00% while BPCER (Bona Fide Classification Error Rate) measured is 1.25%.

Based on the tests performed according to ISO 30107- Biometric Presentation Attack Detection Standard, the QTS& Techainer Liveness Detection v1.0 solution provided by Quang Trung Digital Technology and Service Joint Stock Company and Techainer Joint Stock Company was found to be compliant with Level 1 and Level 2.

Fime laboratories meet requirement for testing biometric security of devices, and are accredited by 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.

May 26th, 2026

Tested sample identification

- Name: QTS & Techainer Liveness Detection
- Version: 1.0
- Biometric modality: Facial Recognition
- Biometric sensor technology: Software application processing the signal from embedded camera
- Software name and version: QTS & Techainer Liveness Detection v1.0

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

- ISO/IEC 30107-1:2023
- ISO/IEC 30107-3:2023

Guillaume YVON
Biometric Activity Manager