Fime test session confirmation letter

Biometric subcomponent test session according to

ISO Standards

Test session carried out
from April 24, 2023 to May 12, 2023 for

Japan Computer Vision Corp.

Fime hereby confirms that the **JCV/TCV Liveness v0.0.1**, developed by **Japan Computer Vision Corp.** has successfully completed the biometric Presentation Attack Detection testing was carried out in accordance with **ISO/IEC 30107-1** and **ISO/IEC 30107-3**.

This test session was performed from **April 24 to May 12, 2023** at Fime (FEIMA Ltd Taiwan branch and FIME EMEA) on the **algorithm** received on **April 21, 2023.**

The product tested is a biometric presence detection algorithm designed for use with optical camera technology on Android or iOS devices.

The results of the test session demonstrate that the algorithm tested meet the requirements established with the guidance of documents described hereafter. The detailed results are provided in official test report: **n°T22REP00-917.**

Tested sample identification

- Name: JCV/TCV Liveness
- Version: v0.0.1
- Number of samples: 1
- Biometric modality: Facial
- Biometric sensor technology: Optical camera

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

- ISO/IEC 30107-1:2016
- ISO/IEC 30107-3:2017

Testing was conducted using 2 smartphones (iPhone 11 with iOS 15, iPhone 6, and Samsung A51 with Android 11) and 1 laptop (Lenovo ThinkPad T14 or T450s) where JCV/TCV Liveness v0.0.1 algorithm, which assesses directly the spoof detection, has been launched. Test method has involved 12 subjects, 6 recipes level A and 3 recipes level B, which has permitted to design 108 presentation attack instruments (PAI). Each PAI have been tested 5 times against product in the indoor condition leading to 540 presentation attacks. Test results show that JCV/TCV Liveness v0.0.1 global APCER (Attack Presentation Classification Error Rate) is < 1.86% while BPCER is equal to 0%.

Fime laboratories are accredited by various biometrics standards, such as Android Biometric Security Test Protocol and FIDO Alliance Biometric Component Certification, to perform evaluations for biometric authentication products, systems and subcomponents. Fime implements standardized and trusted quality control testing procedures and methodologies, to perform products test sessions.

May 31th, 2023

Guillaume YVON
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