BixeLab

Biometrics Identity Experience & Evaluation Laboratory

Letter of Confirmation

Issued to Xperix Inc.

for the test report issued on the 7th of March 2024 for,

ISO/IEC 30107-3 compliant Presentation Attack Detection (PAD) Level 1 evaluation of,

RealScan G10/G10i [HW version: V02C (RS-G10) / V02A (RS-G10i), SDK version: 2.0.0 -Item under test (IUT)

To whom it may concern,

BixeLab is a biometric testing laboratory accredited by National Institute of Standards and Technology (NIST) under the National Voluntary Laboratory Accreditation Program (NVLAP) with testing Lab code: 600301-0. BixeLab also conforms to the requirements of ISO/IEC 17025:2017 (General Requirements for Competence of Testing and Calibration laboratories). BixeLab shall not be held liable for any interpretations, decisions, or actions based on the information contained in this confirmation letter. BixeLab does not certify or make any claims regarding the performance of the SUT outside of the described context in this letter.

Between January and March 2024, BixeLab conducted a Presentation Attack Detection (PAD) Level 1 evaluation of RealScan G10/G10i [HW version: V02C (RS-G10) / V02A (RS-G10i), SDK version: 2.0.0 -Item under test (IUT) in compliance with the applicable requirements set forth in ISO/IEC 30107-3. This testing took place at the BixeLab headquarters located in Australian Capital Territory, Australia.

The PAD evaluation was conducted at a Level 1 sophistication in a secure laboratory testing environment using 6 Level A Presentation Attack Instrument (PAI) species. The evaluation evenly split the test subjects into 5 for right hand and 5 for left hand and tested the “Thumb” and “Index Finger” of each hand. The evaluation targeted the end-to-end verification process, specifically examining whether a presentation attack could bypass all stages of control.

The evaluation consisted of 360 Level A attack presentations and 20 bona fide presentations. Supplementary evaluation was undertaken on a slightly updated IUT with only allowed changes which did not impact the IUT version. Supplementary evaluation involved 192 Level A attack presentations and 4 bona fide presentations. Primary and supplementary testing resulted in the following metrics:

1. Impostor Attack Presentation Acceptance Rate (IAPAR)
    a. 0 classification errors across 5 out of 6 Level A attack types tested.
2. Bona fide Presentation Classification Error Rate (BPCER)
    a. 4 classification errors were found across 24 bona fide presentations tested.

A detailed test and analysis report was generated to support findings. For the associated Attack Presentation Non-Response Rate (APNRR) and Bona fide Presentation Non-Response Rate (BPNRR) metrics, or the additional (supplementary) evaluation details, please refer to the test report [24_BXL021_TR_31].

This letter confirms that the IUT -RealScan G10/G10i [HW version: V02C (RS-G10) / V02A (RS-G10i), SDK version: 2.0.0 has been tested according to the applicable requirements set forth in ISO/IEC 30107-3 specifications for Presentation Attack Detection testing and reporting.

Ms. Somya Singh
Operations Manager
BixeLab Pty Ltd
info@bixelab.com

Dr. Ted Dunstone
Senior Responsible Officer
BixeLab Pty Ltd
info@bixelab.com