



## Letter of Confirmation

Issued to Xperix Inc.

for test report issued on the 25<sup>th</sup> of August 2023 for  
ISO/IEC 30107-3 compliant Presentation Attack Detection (PAD) Level 1 evaluation of,  
RealScan S60/S60M fingerprint scanner HW Version: V01A and SDK Version: v1.9.5

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 IUT outside of the described context in this letter.

Between July and August 2023, BixeLab evaluated the Item Under Test (IUT) in compliance with the applicable specifications of the ISO/IEC 30107-1 and ISO/IEC 30107-3 Presentation Attack Detection (PAD) testing and reporting standards. This evaluation took place at the BixeLab headquarters located in Australian Capital Territory, Australia.

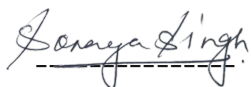
The PAD evaluation was conducted at a Level 1 sophistication in a secure laboratory testing environment using 6 Level A Presentation Attack Instrument (PAI) species. These PAIs were created for 10 conformant and consenting test subjects. The evaluation evenly split the test subjects into 5 for right hand and 5 for left hand with the focus being on 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 involved 360 Level A attack presentations (60 for each attack type, 30 for each "Index Finger" and 30 for each "Thumb"), and 60 bona fide presentations. Testing resulted in the following metrics:

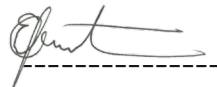
1. Impostor Attack Presentation Acceptance Rate (IAPAR)
  - a. 0 classification errors across 5 out of 6 Level A attack types tested.
2. Bona fide Presentation Classification Error Rate (BPCER)
  - a. 0 classification errors across 20 bona fide presentations tested.

A detailed test and analysis report was generated to support the findings. For the associated Attack Presentation Non-Response Rate (APNRR) and Bona fide Presentation Non-Response Rate (BPNRR) metrics, please refer to the test report.

This letter confirms that the IUT -RealScan S60: Fingerprint scanner HW Version: V01A and SDK Version: v1.9.5 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