

**IriSmartEye2000 Liveness Testplan**

**Document Version 1.0**

**Document Change Record**

This page records any updates and revisions made to the IriSmartEye2000 Liveness Test plan.

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| --- | --- | --- | --- |
| **Doc ver.** | **Date** | **Change Description** | **Software ver.** |
| 1.0 | 2024 Oct17 | IriShieldTM-USB camera liveness detection | IriSmartEye2000\_3.6.9.4 |
|  |  | Include all IriShieldTM-USB models | SDK 3.3.0 |
|  |  | IDDK 2000 | SDK 3.3.9 |
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# Introduction

The purpose of the IriSmartEye 2000 liveness is a demonstrating how IriShieldTM-USB camera liveness detection. It helps review the capture process, performs iris recognition tasks, does system management and maximize the quality of iris images as well as matching accuracy.

## Objectives(Mục tiêu)

Client can choose connection in SDK setting and see IriShieldTM-USB camera that is listed in device list to view the infomation, save the image to custom path, adjust capture setting and result image, see details in stream information, check enroll ID for verify or identity, login, power management for IriShield device, prevent unauthorized accesses and configuration, error recovery

Features to be tested: SDK setting, Device list, Application setting. Capture Function, Matching, Login, Power Management, System Management, Recovery

## Testing Strategy(Chiến lược kiểm thử)

## Strategy to build Test case:

## All Frontend and Backend functions must write test cases

## Test device according to android version

## Focus on testing on Windows version 10, 11

## Resource strategy:

## Test: Responsible for testing the Functions, Interfaces

## Review the results and discuss with the developer

## Test priority order:

* Interface: Execute Manual test

## Scope(Phạm Vi)

* 1. Functional requirements for test execution:
* Frontend: SDK setting, Device list, Application setting. Capture Function, Matching, Login, Power Management, System Management, Recovery (interface testing)
* Backend: Login/Logout, Device&SDK Information, Iris Recognition, Capturing Process, Power Management
* 2. Test execution environment:
* Device: Window 10, 11
* Google Test (gtest) framework

## Related Documents

https://drive.google.com/drive/folders/19V38o1j5\_1c4Kj8azMcCfzQc2nhso6Ee

## Definitions and Acronyms

## Schedule and Milestones and Deliverables

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No | Milestone Task | Effort (Hour) | Assign to | Deliverables | Delivery date | Note |
| 1 | Create Test Plan | 10 | Team IriSmartEye2000 | IriSmartEye2000Testplan.docx | 10/21/2024 |  |
| 2 | Create Test case File  (Test Functure ) | 2 | Team IriSmartEye2000 | IriSmartEye2000.xlsx | 10/21/2024 |  |
| 3 | Create Test case on Unit Testing | 4 | Team IriSmartEye2000 | Google Test (gtest) framework | 10/21/2024 |  |
| 4 | Execute Test case Testing | 8 | Team IriSmartEye2000 | Google Test (gtest) framework | 10/21/2024 |  |
| 5 | Make test report |  | Team IriSmartEye2000 | Zephyr, Jira | 10/21/2024 |  |
| 6 | Create Test case File  (Interface Testing) | 2 |  |  | 10/21/2024 |  |
| 7 | Interface Testing Manual | 8 |  |  |  | Waiting develop release app |

# Resource Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| No. | Name | Rule | Task |
| 1 | MinhHoang | Tester | - Analyzing project requirements, synthesizing related documents  - Work planning  - Create Unit Test case and execute test  - Make test report |
| 2 | TuanKiet | Tester | - Analyzing project requirements, synthesizing related documents  - Work planning  - Create Unit Test case and execute test  - Make test report |
| 3 | CaoNguyen | Tester | - Analyzing project requirements, synthesizing related documents  - Work planning  - Create Unit Test case and execute test  - Make test report |
| 4 | HongVu | Tester | - Analyzing project requirements, synthesizing related documents  - Work planning  - Create Unit Test case and execute test  - Make test report |
| 5 | HueVo | Tead Lead | – Review of test documents  – Review report |
|  |  |  |  |
|  |  |  |  |

## Hardware

## Window 10 , Window 11

## Software

* IDK 2000 : using Google Test (gtest) framework
* IriSmartEye 2000: UI testing

### Test Tool

* Unit Testing: Google Test (gtest) framework
* Test Plan : DOC
* Test Case: MSExcel
* Result Test: MSExcel

## Staffing

* Tester

### Responsibilities

### Training

# Stage of Test

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Types | Unit test | Integration | System | Acceptance |
| Interface Test | x | x | x | x |
| Functional Test | x | x | x | x |
| Load test |  |  | x | x |
| Usability test |  |  | x | x |

# Testing standard

|  |  |
| --- | --- |
| Start condition test | - Round 1: When the developer has completed 70% of the modules, Unit testing has been done  - Set up environment, configure for testing  - Round 2: Test 30% of the remaining modules, and retest the bugs in round 1  - Round 3: Retest the bugs in Round 2 |
| When stop test | - Complete test  - All bugs must be credited to an agreed solution. No more bugs with Medium level or higher |
| Standard success test | - Satisfy the functional requirements of the software  - Satisfying user requirements |
| When does test recurrent | - Get new libs and new app from developer  - At the request of developer |

# Features To Be Tested

## New Features Testing

IriSmartEye2000 Software:

* SDK setting
* Device list
* Application setting
* Capture Function
* Matching
* Login
* Power Management
* System Management
* Recovery restoreLicense

IDDK 2000:

* Login/Logout
* Device&SDK Information
* Iris Recognition
* Capturing Process
* Power Management

## Regression Testing

# Features Not To Be Tested

# Dependencies/Risks

# Entrance/Exit Criteria

**- The end of the document -**