DERMALOG Identification Systems GmbH

Release Notes for DERMALOG AFIS Product:
DERMALOG Mobile Biometric SDK
for Android

Release Notes Information

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Product Release Information

Product Name	*DERMALOG Mobile Biometric SDK for Android*
Release Number	1.4.1
Release Date (dd-mm-yyyy)	22-11-2018
Customer Support	For more information or support, please visit our website or email us at support@dermalog.de

	DERMALOG Identification Systems GmbH

Introduction	The DERMALOG Mobile Biometric SDK for Android offers a set of development tools for biometric applications. It gives you the ability to:

- Capture fingerprints with the
    - DERMALOG Fingerprint Scanner F1
    - DERMALOG Fingerprint Scanner LF1
    - DERMALOG Fingerprint Scanner TF1
    - DERMALOG Fingerprint Scanner ZF1

- Check the quality of fingerprint images (NISTIR 7151-NFIQ)
- Encode a fingerprint image into a fingerprint template
- Verify fingerprint templates (1:1)
- Convert fingerprint images in various formats (BMP, JPEG2000, WSQ, PNG)
- Access device specific features with a unified hardware abstraction layer for the
    - DERMALOG SVT 3000
    - DERMALOG SVT 3000SE
    - DERMALOG SVT 4000
    - DERMALOG SVT 4000SE

The hardware abstraction layer for DERMALOG Android devices provides access to:

- Hardware power management
- Thermal printer
- Smart card reader

The DERMALOG Mobile Biometric SDK for Android consists of the following components:

	Version
DermalogEmbeddedBiometrics (aar)	2.1.0.1834
DermalogImageIO (aar)	2.0.1.1822
DermalogCommon (aar)	1.2.1
DermalogHardwareDevicesCommon (aar)	1.4.1
DermalogHardwareSVT3000 (aar)	1.3.0
DermalogHardwareSVT3000SE (aar)	1.1.3
DermalogHardwareSVT4000SE (aar)	1.2.1
VisionCommon (aar)	1.0.0
BarcodeCommon (aar)	1.0.0
BarcodeZxing (aar)	1.0.0
DermalogDiagnostic (apk)	2.2.0.1838
DermalogHAL (apk)	1.4.4

Installation and (Upgrade) Notes	**Installation**
	Extract the SDK archive and open the example gradle project.
	
	Manifest
	This release consists of the following items:
	
	    • Product installer binary
	
	The following directories will be installed:
	
	    • JavaDoc
	
	    • Demo application
	
	    • Tutorial files
	
	    • Library files (AAR)
	
	    • Diagnostic tool
	
	Minimum System Requirements are:
	
	Operating System: Android 4.0.3 or higher
	System Processor: armeabi-v7a with NEON, arm64-v8a
	System Memory: 1024 MB
	
	USB: Host-USB support

Known Problems & Workarounds	LF1 • The DERMALOG Fingerprint Scanner LF1 is using USB isochronous transfer mode. Some Android devices do not support this transfer mode.

Recent Changes	Version 1.4.1 (2018-11-22)
	• Minor bugfixes for SVT3000SE and SVT4000SE
	
	Version 1.4.0 (2018-05-31)
	• Add SVT3000SE support
	
	Version 1.3.0 (2018-02-08)
	• Add SVT4000SE support
	• Add arm64-v8a support
	• Add build flavors for HAL plugins
	
	Version 1.2.1 (2017-05-29)
	• NFC card reader: Change foreground dispatch method to static
	
	Version 1.2.0 (2017-05-29)
	• Add SVT 4000 support (prototype)
	• Card reader interface includes Android NFC wrapper
	
	Version 1.1.0 (2017-01-18)
	• Add smart card reader support
	• Power manager
	    o Interface change: Add open and close method to the interface
	    o Fix SVT 3000 issue with PowerType.USB_FINGERPRINT_SCANNER
	• Update tutorial
	
	Version 1.0.0 (2016-12-22)
	• Initial release
	    o Add power management for SVT 3000
	    o Add thermal printer interface