



Software Developer Guide

SigIDp1 Fingerprint ActiveX Control

Version 1.0.0.1

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Overview

The SigIDp1 Fingerprint SDK is a powerful bundled fingerprint software system for use with the Topaz IDLite 1x5 (TF-S463), IDLite LCD 1x5 (TF-LBK463), and IDGem LCD 1x5 (TF-LBK464) combined signature and fingerprint capture devices.

This software allows for the high-quality imaging of fingerprints and biometric verification.

Covered under several US Patents.

You may review them at: www.topazsystems.com/legal.

Methods

GetFingerprintFile(str FilePath)

(takes path to file to save...use "TFT" file extension).

ValidateFingerprintFile(str FilePath)

(takes path to file to use as basis for comparison)

(returns 0 for success, 1 for failure)

GetFingerprintString()

(takes returns ASCII hex string of fingerprint)

ValidateFingerprintString(str stringfingerprint)

(takes string from GetFingerprintString)

(returns 0 for success, 1 for failure)

SetIdentificationFingerprint()

(scans a new fingerprint...sets the fingerprint to use for comparison when calling IdentifyUser(), see below)

IdentifyUser(srt stringfingerprint)

(takes string from GetFingerprintString)

(compares against fingerprint captured using SetIdentificationFingerprint(), see above)

(can be called in a loop to pass in multiple strings for "one to many" searching)

(returns a 0 for success)

CreateBmp(str filename)

(takes a filepath to save the image)

(returns 0 for success)

CreateJpg(str filename)

(takes a filepath to save the image)

(returns 0 for success)

CreateTif(str filename)

(takes a filepath to save the image)

(returns 0 for success)

CreateLowResBmp(str filename)

(takes a filepath to save the lower-res image)

(returns 0 for success)

CreateLowResJpg(str filename)

(takes a filepath to save the lower-res image)

(returns 0 for success)

CreateLowResTif(str filename)

(takes a filepath to save the lower-res image)

(returns 0 for success)

GetBmpString()

(returns ascii hex string of bmp fingerprint--useful for web applications to send fingerprint image across the web)

SetBmpString(str bmpstr, str filepath)

(returns byte array of fingerprint bitmap)

GetBitmapBufferBytes()

(returns byte array of fingerprint bitmap)

GetBitmapBufferBytesLowRes()

(returns byte array of low-res fingerprint bitmap)