ZDLib SDK Guide

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System Requirements

- Winodws 10 minimum.
- USB Thai ID card reader from TDK+ products.
- ZDLib SDK files.
- TDK+ SDK files.
- MOU or permission from DOPA (Department Of Provincial Administration, Ministry of Interior).

Usage

- Uses both ZDLib (ZDLib.DLL) and TDK+ Lib (RDNIDLibD.DLL) in the project.
- Read normal Thai ID card data via TDK+ API commands.
- Read Laser ID, Chip ID and BP1 Number via ZDLib API command.
- Check Thai ID card status via DOPA's web services (CheckCard By CID or CheckCard By Laser).

ZDLib API Command

- **getSoftwareInfoZD(strInfo)**
  - **Description:** Get library information.
  - **Input parameters**
    - None
  - **Output**
    - **strInfo**: ZD Library information.
  - **Return Value:** 0 is successful, a negative number if error.

- **attachLibZD(intptr NIDLibHandle)**
  - **Description:** Attach ZDLib with RDNIDLibD Lib handle.
  - **Input parameters**
    - **NIDLibHandle:** RDNIDLibD Lib handle got from the getNIDLibHandleDD function.
  - **Output**
    - None
  - **Return Value:** 0 is successful, a negative number if error.

- **getSTextZD(intReaderInst, strDkey, strStext)**
  - **Description:** Read Special text from Thai ID card
  - **Input parameter:**
    - **intReaderInst:** Instance of the selected reader got from the selectReaderRD function.
    - **strDKey**, 4 digits of NID number for verifying.
      - digit 3, digit 4, digit 5 and digit 12
    - Example: for NID Number = "12**345**6789012**2**3" then strDKey= "3452"
  - **Output**
    - **strSText =** Special text: "LaserID#ChipID#BP1Number"
      - Example: "ME1234567890#0123456789abcdef#12345678901"
  - **Return Value**: 0 is successful, a negative number if error.

Sample Source Code

- There are some sample source code for ZDLib in SDK folder.
- Please try the EXE files in the SDK folder for ZDLib testing.