ANSI/ISO SDK
Fingerprint SDK

Futronic ANSI/ISO SDK is form of API library to which application program can make function call to generate ANSI/ISO standard fingerprint minutiae template from captured fingerprint image. It comes with example application program(with source code) so that developers can start to use it quickly.

ANSI/ISO SDK contains the following:

- ANSI/ISO Template Extractor: extract fingerprint minutiae template that is compliant to ANSI/INCITS 378:2004 and ISO/IEC 19794-2:2005. It generates ansi/iso template only from real time captured image using FS80/88
- ANSI/ISO Template Matcher: match fingerprint minutiae template that is compliant to ANSI/INCITS 378:2004 and ISO/IEC 19794-2:2005. One of the matching templates must be generated from real time captured image using FS80/88.

They were certified by US Government National Institute of Standards Technology (NIST) in the Minutiae Interoperability Exchange Test (MINEX). Please checkhttp://www.nist.gov/itl/iad/ig/ominex_qpl.cfm

Why Interoperability?

Fingerprint Minutiae Interoperability is necessary for large scale government and public personal verification programs. In these programs, there is a central database that keeps millions of personal fingerprint minutiae templates in one of the standard formats mentioned above. At the time of personal verification, fingerprint is captured somewhere. The minutiae template of the same standard format is generated and then sent to the central database for verification. Interoperability enables the template generation can be done by using any compliant template extractor. This ensures h/w and s/w from various providers can work under ONE system and such flexibility is very important to large scale nationwide programs.

Typical Applications

- National ID
- Voter registration and verification
- Passenger verification
- Entrance verification to sensitive area such as airport and harbour terminal.

Abbreviations

NIST - National Institute of Standards and Technology

ANSI - Approved American National Standard

INCITS - The International Committee for Information Technology Standard

ISO - International Organization for Standardization

IEC - International Electrotechnical Commission

There are 3 packages

Package 1

- Microsoft Windows

Package 2

- Linux(both x86 and ARM)
- Android

Package 3

- MacOSX