

Futronic SDK

ANSI / ISO Fingerprint SDK



Description

The Futronic ANSI/ISO SDK is an API library that software application programmers can use to make function calls that generate ANSI/ISO standard fingerprint minutiae templates from captured fingerprint images. The SDK comes with an example application program that includes the source code to enable developers to get started quickly.



Fingerprint Minutiae Interoperability is important 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, the fingerprint is captured, the minutiae template of the same standard format is generated and then sent to the central database for verification.

Interoperability means that the template generation can be done using any compliant template extractor, this ensures hardware and software from various providers can work under ONE system. This type of flexibility is very important for large scale nationwide programs.

Technical Specifications

SDK Functions	ANSI/ISO Template Extractor: Extracts fingerprint minutiae template that is compliant with ANSI/INCITS 378:2004 and ISO/IEC 19794-2:2005. (Only using an image captured in real time using FS80, FS88 or FS10) ANSI/ISO Template Matcher: Match fingerprint minutiae template that is compliant to ANSI/INCITS 378:2004 and ISO/IEC 19794-2:2005.
Typical Applications	National ID Voter registration and verification Passenger verification Entrance verification to sensitive area such as airports and harbour terminals Institutions that send fingerprints to Government departments for verification
Supported Operating Systems	Microsoft Windows WinCE(both x86 and ARM) Linux(both x86 and ARM) Android MacOSX
Certifications	Certified by US Government National Institute of Standards Technology (NIST) in the Minutiae Interoperability Exchange Test (MINEX)
Complementary Products	Futronic FS80, FS88, FS10
Abbreviations	<u>NIST</u> - 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

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