

Product Specification

LISKA'S Biometric Identification Software



Liska's program main screen with Enrollment, Authentication, and Identity Search, Database Management functions.

Liska Biometry develops innovative fingerprint biometric solutions

Liska Biometry provides several unique developments in the area of biometric fingerprint technology. Using its existing fingerprint verification software, the company has developed a unique, highly accurate method of generating a short numeric universal identifier based on a person's fingerprint.

This encrypted Biometric Identifier Number (BIN™) can be used with personal credentials such as passports, visas, and ID cards such as Bank Cards, Drivers Licenses, Health Cards, etc., for authentication and identity search.

Our product offerings also address national security concerns including privacy and data integrity. From border crossings to terrorist watch lists, our innovative technology allows for seamless, integrated identification searches across disparate databases at all levels of government and law enforcement.

Our software works with various hardware platforms.

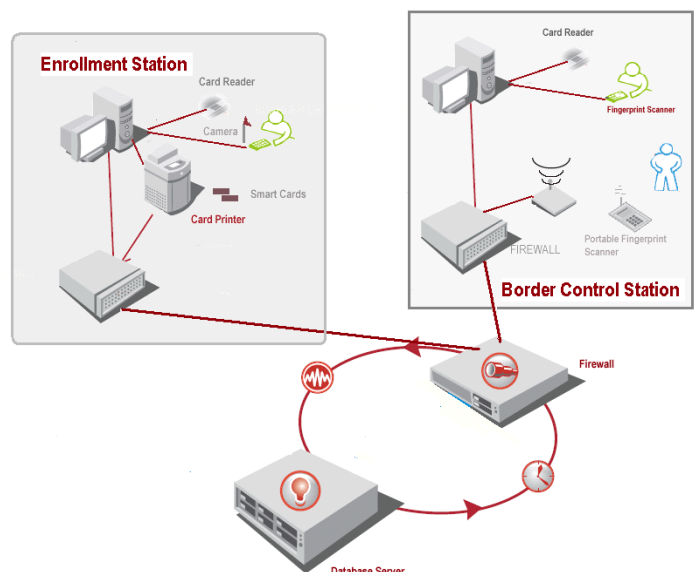
Liska enables accurate user authentication, accelerated identification search as well as data interoperability across various system architectures.

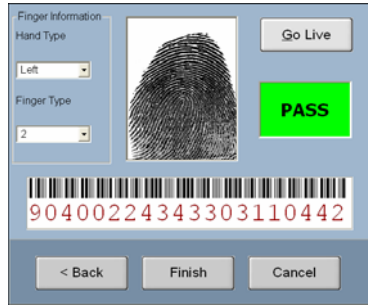
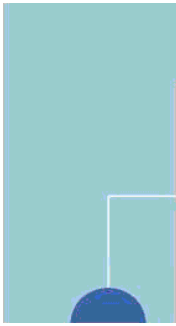


Fingerprint Scanning Process

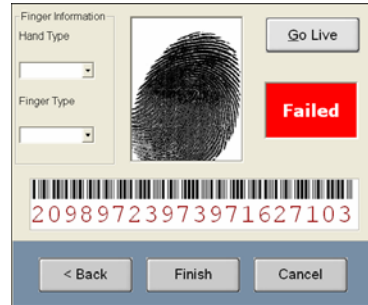


Front of the Mifare® contact-less ID smart card





“Pass” Authorization result screen



“Failed” Authorization result screen

PRODUCT FEATURES



Face-tracking digital camera

Liska's Identification Software includes the following functions:

- **Enrollment:** Personal information data entry for the enrolled person to the database. Check by searching at the Database server remotely if he/she is in any suspect's database. Acquisition of a fingerprint scan and generation of the BIN™ from its template. Writing the relevant information to the Mifare® smart card and to the database.
- **Authorization:** Reading the person's ID card; Acquisition of a fingerprint and generate a BIN™ (used

as a search index in database); Verifying that: 1)The person is current in the database, 2)The person is who the card/live scan says he/she is and 3)There are no alerts (flags) attached to that person's database record since he/she got enrolled into the system.

- **Identity Search:** Acquisition of a fingerprint and BIN™ generation; Searching the Database and provide his/her personal data (if found).
- **Database Management:** Updating, inserting, deleting, and correcting personal information.

KEY OPTIONAL PRODUCT SPECIFICATIONS

Scanner:

- Resolution: > 500 DPI ± 1
- MTF: 50% at 10 cycles per mm at finger platen
- Linearity and Rectilinearity: < one pixel (average)
- Image Area / Platen Size: 30.5 mm x 30.5 mm

Contactless card reader/writer:

- Operating frequency: 13.56 MHz
- Dual interface card ICs
- Supports ISO 14443A part 1-4 and 14443B
- Supports MIFARE® Classic crypto
- Supports ISO 15693
- Supports Philips ICODE®
- Operating distance: 75—100mm

Printer:

- Print resolution: 300 dpi

- Shade count: 256 shades

- Edge-to-edge printing

Digital Camera:

- Resolution: 1280 x 960 Pixels

- Automatic Face-Tracking

- Digital zoom

- Automatic focus

- Automatic mechanical pan and tilt feature: 128 degrees side-to-side, and 54 degrees up-and-down

MIFARE® smart card:

- FIPS PUB 201 recommended card layout

- ISO7816 – 1, Physical characteristics

- ISO7816 – 2, Dimensions and locations of contacts

- ISO7816 – 3&4, Standard Communications

- ISO14443-A – Standard high speed communication



Mifare® contactless smart card reader



Card printer

OPTIONS

Dual Interface Smart Card:

- Contactless RF interface according to ISO/IEC14443-2 @ 13.56 MHz operating frequency
- Contact interface according to ISO/IEC 7816 UART, supporting standard protocols T=0 and T=1 as well as

high speed personalization at 1Mbit/s

Mobile Fingerprint Workstation:

- Resolution 500 DPI +/- 1%
- Pocket PC
- Digital camera



Optional Biometric door access system

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Optional Mobile Fingerprint Workstation