Futronic FS64
High performance tenprint livescan usb reader

Bioidentidad Futronic FS64 is a fingerprint scanner whose capture quality is certified by the FBI and complies with the legendary forensic fingerprint review standard IAFIS Live Scan (Tenprint) Systems & Identification Flats Systems Appendix F, endorsed by INTERPOL. It is suitable for fixed and mobile applications and is also FBI Mobile ID FAP 60 certified.

Its wide capture window has a resolution of 1600 x 1500 pixels, allowing the capture of simultaneous 4-4-2 fingerprints and rolled fingerprints, being made of a special glass resistant to scratches and other types of stress, ensuring its use in harsh environments. It has excellent performance for use with various skin types and environmental conditions, complemented by an ergonomic and comfortable design.

Specialized maximum security multi-fingerprint scanner for criminal and civil AFIS applications

GENERAL FEATURES

Bioidentidad FS64 employs a sophisticated precision system in conjunction with an advanced optical sensor, which meets the stringent requirements for fingerprint image quality demanded by the most stringent FBI and INTERPOL standards, accompanied by a design that offers maximum ergonomics and comfort when placing the hand.

It is compatible with Windows and Linux software platforms. Likewise, its connection to the PC / laptop is USB, without the need to use an additional power source, which simplifies the process of transport, installation and use.

The Bioidentidad FS64 is a high quality, compact and robust, cost-effective fingerprint capture device, ideal for police, military, immigration control, ID cards, ID cards, elections and any biometric application where a fast and forensically accurate fingerprint profile is required for use in ABIS or AFIS (Automated Fingerprint Identification System) for police, military, governmental, national or international organizations.

ADVANCED LIVE FINGER DETECTION

The FS64 features unique "live finger" detection technology, rejecting imitation fingerprints on silicone, gelatin and other materials.

BIOMETRIC SOFTWARE AND DEVELOPMENT KITS

Bioidentidad FS64 has the drivers, libraries and application programming interface (API) for the management and capture of fingerprint images, including:

- Automatic fingerprint capture
- Advanced Live Finger Detection (ALFD)
- Automatic segmentation of the slaps (images of simultaneous fingers) into individual prints.
- Finger sequence check between slaps and rolled captures
- Fingerprint quality control according to NFIQ standard
- Fingerprint image compression in FBI certified WSQ format
- Button, LED and buzzer management

Bioidentidad can provide the application or software development kit (SDK) according to your project requirements, which may also include functions for biometric verification (1:1), biometric identification (1:N) and database integration, as well as compliance with the required international biometric standards (ANSI/INCITS 378, NIST MINEX, ISO/IEC 19794, ANSI/NIST-ITL 1-2011, among others).

EASY CLEANING & DESINFECTION

Bioidentidad FS64 fingerprint scanner is internationally recognized for its high quality and ergonomics, being certified by the FBI in accordance with INTERPOL guidelines. It allows to perform 442 slaps and rolled fingerprinting.

PROVEN QUALITY

The high quality of the FS64 is endorsed by prestigious police and security organizations around the world such as the FBI, INTERPOL, NIST, ANSI, among others.

HIGH PERFORMANCE

The Bioidentity FS64 will exceed your expectations. The capture of 4 simultaneous fingerprints is done in just 1 second and the display is in real time with forensic quality.

MAINTENANCE FREE

Made with state-of-the-art electronic technology and no moving parts, it is designed to have an MTBF* of more than 50,000 hours.
(*MTBF: Mean Time Between Failures)

Bioidentidad FUTRONIC

INTEROPERABLE TECHNOLOGY
Because the Bioidentidad FS64 complies with international biometric standards, fingerprints captured with it can be used in a variety of systems, platforms, AFIS and ABIS, independent of country or manufacturer.

EASY INSTALLATION
The drivers are user-friendly and are available for the widest variety of operating systems.

PERMANENT TECHNICAL ASSISTANCE
Bioidentidad provides specialized technical assistance, accompanied by warranty and experienced biometric consulting.

Bioidentidad® provides high performance solutions for people identification and control.

With more than two decades of experience in research, development, manufacturing, consulting, project implementation, distribution and support, it is the preferred choice of biometrics experts.

CAPTURE TYPES

The Bioidentidad FS64 allows you to perform all types of fingerprint scans that may be required by law in any governmental or police entity, including:

- Four simultaneous fingers - "slaps" (index, middle, ring, pinky).
- Two simultaneous fingers - slaps (left thumb and right thumb)
- Rolled single finger
- Single finger flat

It also allows to deal with exceptions for amputated fingers, bandaged fingers, etc.

COMPATIBLE PLATFORMS

We offer compatibility with the widest variety of platforms on the market, including:

- Windows 11, 10, 8, 7, Vista, XP, 2025, 2022, 2019, 2012, 2008, 2003 or higher, 32bit y 64bit
- Linux con kernel 2.4 or higher
- Android 3.1 or higher (with OTG or Host port)

OPERABILITY WITH AFIS AND ABIS

Due to the high quality of fingerprint capture, superior security, compliance with technical standards, speed, great durability and its excellent level of compatibility, the FS64 is a fingerprint scanner that can operate with all AFIS and ABIS civil or criminal of any country.

ELECTRONIC FINGERPRINT CARD

You can replace paper and ink fingerprints, as well as tedious post-scanning procedures. With Bioidentidad FS64 the fingerprint is live, with real-time visualization and quality control on the computer, directly in digital formats according to law.

TECHNICAL SPECIFICATIONS

- Sensor type: Optical CMOS with thick high durability glass prism.
- Live finger detection: Advanced Live Finger Detection (ALFD).
- Image resolution: 500 dpi, 256 gray levels. Image size: 1600 x 1500 pixel
- Scanner area: 81.2 x 76.2 mm (3.2" x 3.0")
- Area for rolled prints: 40.64 x 38.10 mm (1.6" x 1.5")
- Image quality: FBI certified according to FBI IAFIS IQS Appendix F: LiveScan (Tenprint) System & Identification Flats and FAP 60 standards
- Visual indicators: 10 LEDs red/green
- Sound indicators: buzzer
- Buttons: 2 buttons
- Communication interface: USB 2.0 (in USB-A and USB-C versions)
- Power supply: via USB port
- Electric consumption: 300mA
- Operating range: 0º a 50ºC
- Liquid and dust ingress protection on scanner window: IP54
- Dimensions: 152 x 149 x155mm
- Weight: 2.1 kilograms
- Chassis: aluminum alloy internal frame with ABS body
- Technical standards:
  - FBI IAFIS Image Quality Specifications (IQS) Personal Identity Verification Appendix F: Live-Scan (Tenprint) System & Identification Flats
  - FBI Appendix F Mobile ID FAP 60
  - INTERPOL INT-I
  - ANSI/NIST-ITL 1-2011
  - ANSI INCITS 381
  - NFIQ, BMP, WSQ (IAFIS-IC-0110)
  - NIST MINEX, ANSI INCITS 378
  - ISO IEC 19794
  - Electronic Biometric Transmission Specification – EBTS
  - ANSI INCITS 381
  - Microsoft WHQL, FCC, CE, RoHS

The Bioidentidad FS64 performs the automatic detection of each individual finger in simultaneous

The fingerprint obtained with the Bioidentidad FS64 is of such high quality that even the pores located in the finger ridges and other details of forensic analysis can be seen.

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