

Futronic FS88H

High performance usb fingerprint scanner

Bioidentidad Futronic FS88H is a fingerprint scanner whose capture accuracy is certified by the FBI, complying with the FBI Mobile ID FAP 20 fingerprint review and FIPS 201 information processing standards for the verification of the identity of persons (PIV - Personal Identity Verification), both for fixed and mobile environments.

Its large capture window obtains fingerprint images of 24.38mm (height) x 16.26mm (width), and is made of a special glass that is 14mm thick, resistant to scratches, liquid ingress and other types of stress, ensuring its use in harsh environments. It has excellent performance for use with various types of skin and various environmental conditions.

Biometric fingerprinting and identification for maximum security and durability

GENERAL FEATURES

Bioidentidad FS88H employs an advanced optical precision system with CMOS sensor technology, meeting the stringent fingerprint image quality requirements of the PIV-071006 standard and certified by the FBI, with large active capture area size (28% more than FAP20).

It is compatible with the most popular software platforms on the market. Also, its connection with PC / laptop / netbook / PDA / tablet / smartphone is USB, which simplifies the installation and operation process.

The FS88H is a high quality, compact and robust, cost-effective single fingerprint capture device, ideal for applications in banking, notary, immigration, ID cards, driver's license, elections, police, attendance control and any biometric or AFIS-ABIS application where a reliable fingerprint profile is required.

ADVANCED LIVE FINGER DETECTION

The FS88H features unique "live finger" detection technology, rejecting imitation fingerprints on silicone, gelatin and other materials.

BIOMETRIC SOFTWARE AND DEVELOPMENT KITS

Bioidentidad FS88H has the drivers, libraries and application programming interface (API) for the management and capture of fingerprint images, including:

- Automatic fingerprint capture
- Fingerprint quality control according to NFIQ standard
- Fingerprint image compression in FBI certified WSQ format
- Advanced Live Finger Detection (ALFD)
- Red/Green LED indicator control

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).



The FS88H fingerprint scanner is internationally recognized for its high quality, which has been certified by the FBI. It also features patented live finger detection technology and IP54 protection against liquid and dust.



PROVEN QUALITY

The high quality of the FS88H is endorsed by internationally recognized security organizations such as the FBI, NIST, GSA, among others.



HIGH PERFORMANCE

The FS88H will surprise you. The fingerprint capture is very fast and the fingerprint can be displayed in real time, everything with ideal 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)

"The safety and reliability of our systems is driven by the most demanding needs of our customers, and our goal is to exceed their expectations."



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.

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 (x86 and ARM9 architecture)
- Android 3.1 or higher (with OTG or Host port)
- MacOS (10.5 or higher)
- Windows CE 5.0 or higher (x86 and ARM9 architecture)
- Java
- Citrix XenApp
- VMWare Workstation
- Windows Remote Desktop



TRACEABLE

A unique serial number is factory programmed into each FS88H, making each device traceable; which is extremely important for large-scale project management.

COMPATIBLE SOFTWARE

Due to the high quality of fingerprint capture, superior security, great durability and excellent level of compatibility, the FS88H is the recommended fingerprint capturer by a wide variety of biometric software brands, including Bioidentidad (BioCaptura, BioVerifica, etc.), Griaule (Fingerprint SDK, Biometric Suite), Id3, Innovatrics, NEC (AFIS, ABIS, etc.), Neurotechnology (Verifinger, Megamatcher) and more.

WARRANTY

The high quality of Bioidentidad products allows us to grant up to five (5) years of warranty.

TECHNICAL SPECIFICATIONS

- Sensor type: Optical CMOS with 14mm thick high durability glass prism.
- Live finger detection: Advanced Live Finger Detection (ALFD).
- Image resolution: 500 dpi, 256 gray levels. 480 x 320 pixels
- Scanner area: 24.38 x 16.26mm
- Scanner illumination: 4 infrared LEDs.
- Image quality: FBI certified according to PIV and FAP 20 standards
- Liquid and dust ingress protection on scanner window: IP54
- Visual indicators: red/green LED
- Communication interface: USB 2.0 (in USB-A and USB-C versions)
- Power supply: via USB port
- Power consumption:
 - Active <900mW
 - Standby <200mW
- Electrostatic resistance: contact 8KV, air 16kV
- Operating range: -10° to 55°C
- Dimensions: 66 x 66 x 29 mm
- Weight: 150 grams
- Cable length: USB-A 2 meters, USB-C 30 centimeters
- Technical standards:
 - FBI IAFIS Image Quality Specifications (IQS) Personal Identity Verification (PIV) Single Finger Capture Device Specifications
 - FBI Appendix F Mobile ID FAP 20
 - GSA FIPS 201 PIV-071006 IQS
 - Microsoft WHQL
 - FCC, CE, RoHS
 - IEC 60950
 - STQC
 - NFIQ, BMP, WSQ (IAFIS-IC-0110)
 - NIST MINEX, ANSI INCITS 378
 - ISO IEC 19794
 - RENIEC
 - RUNT, RUAF



INTEROPERABLE TECHNOLOGY

Because the Bioidentidad FS88H complies with international biometric standards, fingerprints captured with it can be used in a variety of systems, platforms and AFIS, regardless of the vendor.



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.



The fingerprint obtained with the FS88H is of such high quality that even the pores located on the finger ridges can be appreciated.

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