

Futronic FS10

High performance usb fingerprint scanner

Bioidentidad Futronic FS10 is an FBI certified single fingerprint scanner with a very wide capture area, complying with the FBI Mobile ID FAP 30 fingerprint scanner and FIPS 201 information processing standards for the verification of the identity of individuals (PIV - Personal Identity Verification), both in fixed and mobile environments.

Its wide capture window generates fingerprint images of 25.4mm x 25.4mm and is made of a special thick glass, resistant to scratches and other stresses, ensuring its use in rugged environments. It has excellent performance to be used with various types of skins and environmental conditions.

Large-area fingerprinting and biometric recognition, maximum security and durability

GENERAL FEATURES

Bioidentidad FS10 employs an advanced optical precision system with CMOS technology sensor, fulfilling the rigorous requirements of fingerprint image quality demanded in the PIV-071006 standard and certified by the FBI.

Its actual active capture area is 25.4 x 25.4mm, generating large and impressive fingerprints, being the single fingerprint reader with the largest capture area in the world (25% more than FAP 30), but at the same time maintaining a very compact size, thanks to its state-of-the-art optical and microelectronic technology.

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

The FS10 is a cost efficient, high quality, compact and robust large window single fingerprint capture device, ideal for banking, notary, immigration, ID cards, driver's license, elections, police, time and attendance and any biometric or AFIS application where a reliable fingerprint profile is required.

ADVANCED LIVE FINGER DETECTION

The FS10 features unique advanced live finger detection technology, rejecting false fingerprints on silicone, gelatin and other materials.

BIOMETRIC SOFTWARE AND DEVELOPMENT KITS

The FS10 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 FS10 fingerprint scanner is internationally recognized for its capture area and high quality, which has been certified by the FBI.



PROVEN QUALITY

The high quality of the FS10 is endorsed by internationally recognized security organizations such as the FBI, NIST, GSA, among others.



HIGH PERFORMANCE

The FS10 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 FS10, 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 FS10 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 thick high durability glass prism.
- Live finger detection: Advanced Live Finger Detection (ALFD).
- Image resolution: 500 dpi, 256 gray levels. 500 x 500 pixels.
- Scanner area: 25.4 x 25.4mm
- Windows area: 29 x 29.5mm
- Scanner illumination: 4 infrared LEDs.
- Image quality: FBI certified according to PIV and FAP 30 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 <400mW
- Operating range: -10° to 55°C
- Dimensions: 75 x 73 x 36 mm
- Weight: 200 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 EBTS Appendix F Mobile ID FAP 30
 - GSA FIPS 201 PIV-071006 IQS
 - Microsoft WHQL
 - FCC, CE, RoHS
 - NFIQ
 - BMP, WSQ (IAFIS-IC-0110)
 - NIST MINEX, ANSI INCITS 378
 - ISO IEC 19794
 - RENIEC
 - CONSAR AFORE



INTEROPERABLE TECHNOLOGY

Because the Bioidentidad FS10 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 FS10 is of such high quality that even the pores located on the finger ridges can be seen. Its large capture area is suitable for all finger sizes.

Bioidentidad – Futronic division

www.futronictech.com
info@futronictech.com



Americas - Oceania
+51987827742

Europe - Asia - Africa
+351912246899

