

Futronic FS80H

Multi-purpose usb fingerprint reader



Bioidentidad Futronic FS80H is a fingerprint capture device equipped with a high quality optical sensor, based on high resolution infrared illumination technology, very durable and easy to clean.

Its large capture window generates 480 x 320 pixel fingerprint images and is made of a special glass that is 14mm thick, resistant to scratches and other stresses, ensuring its use in harsh environments. It has excellent performance for use with various types of skins and environmental conditions.

Biometric fingerprinting and identification for a variety of business applications

GENERAL FEATURES

Bioidentidad FS80H features an advanced optical precision system in conjunction with a CMOS technology sensor, which meets high levels of image quality, while keeping a small form factor and a very attractive price.

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 FS80H is a high quality, compact and robust single fingerprint capture device, with an economical cost, suitable for applications of attendance control, computer access control (login, log-on, single sign on), identity validation in computer systems, among others.

LIVE FINGER DETECTION

The FS80H features unique "live finger" detection technology, rejecting imitation fingerprints on silicone, gelatin and other materials.

BIOMETRIC SOFTWARE AND DEVELOPMENT KITS

Bioidentidad FS80H 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 WSQ format
- Live Finger Detection (LFD)
- 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.



The FS80H fingerprint scanner is internationally recognized for its high quality and speed. It also features patented live finger detection technology.



PROVEN QUALITY

The high quality of the FS80H fingerprint scanner makes it recommended by prestigious biometric software houses, including Griaule (Fingerprint SDK) and Neurotechnology (VeriFinger SDK).



HIGH PERFORMANCE

The FS80H will surprise you. The fingerprint capture is very fast and the fingerprint can be displayed in real time, everything with great 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."



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.

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



COMPATIBLE SOFTWARE

Due to the high quality of fingerprint capture, superior security, great durability and excellent level of compatibility, the FS80H is a recommended fingerprint capturer by a wide variety of biometric software brands, including Bioidentidad, Griaule (Fingerprint SDK), Id3, Innovatrics, NEC, Neurotechnology (Verifinger) and more.

TECHNICAL SPECIFICATIONS

- Sensor type: Optical CMOS with 14mm thick high durability glass prism.
- Live finger detection: Live Finger Detection (LFD).
- Image resolution: 500 dpi, 256 gray levels.
- Image size: 480 x 320 pixels
- Scanner area: 24 x 16 mm
- Scanner illumination: 4 infrared LEDs
- Visual indicators: red/green LED
- Communication interface: USB 2.0
- Power supply: via USB port
- Power consumption:
 - Active <700mW
 - Standby <200mW
 - Sleep mode <2.5mW
- Electrostatic resistance: contact 8KV, air 16kV
- Operating range: -10° to 55°C
- Dimensions: 48 x 64 x 27 mm
- Weight: 120 grams
- Cable length: 2 metros
- Microsoft WHQL
- FCC
- CE
- RoHS



The fingerprint obtained with the FS80H is of high quality, which is why it is one of the preferred fingerprint readers for software developers.

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