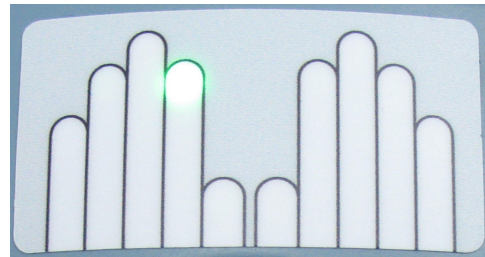




# Biometrika

## HiScan-FG

Fingerprint Scanner 1"x1"



### Technical specifications

HiScan is a professional fingerprint scanner, conceived to become the reference in the single-finger scanner market. The high quality optical design makes HiScan the ideal solution for applications requiring a high level accuracy and **interoperability with international standards** (e.g., forensic and civil AFIS, border control, electronic passport, visa, identity card, etc).

HiScan has been certified by the FBI according to the **PIV** Image Quality Specifications.

HiScan, completely designed and produced by Biometrika, is available both in DESK and OEM versions at a very appealing price (the **best price** for 1"x1" PIV-compliant scanners).

HiScan can be used as a simple device for acquiring high quality fingerprint images or, in combination with the Biometrika **FxISO SDK** engine, to create complete biometric solutions for fingerprint-based identity verification or identification.

The FG version (**FingerGuide**), has a led graphical interface to instruct the user the finger to be scanned and the scan quality (green, orange and red).

#### Fingerprint sensor

- Optical (FTIR)
- Resolution: 500 dpi ( $\pm 1\%$ )
- Sensing area: 1"x1" (25.4 mm x 25.4 mm)
- Geometric distortion < 1%
- Glass prism (abrasion resistant)
- Temperature range: 5°C – 45°C
- Humidity range: 10-90% (not condensing)
- Weight: 400 g
- Certified by the FBI according to PIV Image Quality Specifications

#### Interface and development

- User friendly led interface to instruct the user the finger to be scanned
- FxISO SDK available as recognition engine
- USB 2.0 (Windows, Linux)
- Simple mechanical integration (OEM version)
- TWAIN driver for image acquisition
- Fastening holes



# HiScan-FG

## Fingerprint Scanner 1"x1"

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### Market segment

HiScan is a fingerprint scanner specifically designed for professional applications, where fingerprint scanners are required to comply with minimum specifications (sensing area at least 1"x1", 500 DPI resolution, geometric distortion less than 1%). HiScan, designed to produce maximum **accuracy** and **interoperability**, has been certified by the FBI according to the **PIV** image quality specifications.

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### Applications

The high optical, mechanical and electronic precision allows HiScan to produce very good quality images, thus making it the ideal scanner for several professional applications, such as:

- biometric passport and border control (permit of entry and visas)
- electronic documents (ID cards)
- forensic and civil AFIS
- electronic voting
- airport and port security, military applications, banks
- logical and physical security (in the business sector)
- ATM and kiosks

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### Reference product in the market

Biometrika has designed and produced HiScan to become an important point of reference in the single-fingerprint scanner market segment. Comparative tests have demonstrated the superiority of HiScan over lead competing scanners (for further information please contact Biometrika). The scanner cost is also very appealing (the **best price for 1"x1" PIV-compliant scanners**).

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### Mechanical integration

HiScan (OEM version) is targeted to system integrators. Its mechanical shape allows a very easy (and aesthetically pleasant) integration inside third party systems. On demand, Biometrika can provide a specific plastic support for mounting the scanner on a panel, thus further reducing the integration cost. The scanner glass prism makes the scanner abrasion- and scratch- resistant, thus increasing durability and reducing maintenance.

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### Software Integration

The scanner can be used in applications that require fingerprint images (through the FxISO SDK light) or in complete biometric applications for fingerprint-based identity verification or identification (through FxISO SDK). HiScan is compatible with both **Windows** and **Linux**.

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### TWAIN Driver

HiScan driver also provides a TWAIN interface that enables the acquisition of fingerprint images through any software that supports this standard interface. Once installed, HiScan can be selected as a TWAIN image source from any application that supports the TWAIN interface.

**Biometrika**

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