

# Futronic FS50

USB2.0 Fingerprint Scanner



## Description

The FS50 is a professional USB2.0 fingerprint scanner from Futronic with a 1.6 x 1.5 inch (40.64 x 38.10 mm) scanning area. Its advanced optical system can capture a high quality image in 0.1 second. It can also handle dry, wet, blurred, and scarred fingers without any problem. The scanning window is rugged crown glass prism with a thickness of 33mm.

The scanning surface of the prism also includes a special anti-scratching coating. This makes FS50 even more robust and ensures long term heavy duty usage in any harsh environment.



FS50 can capture single finger, dual finger, and roll finger images. It is certified by FBI to be compliant with PIV-071006 Image Quality Specification for Single Finger Reader. The FS50 meets the US Federal Information Processing Standard 201 (FIPS 201) for Personal Identification Verification (PIV) of Federal Employees and Contractors. It is also listed in the US General Services Administration (GSA) FIPS 201 Evaluation Program Approved Product list. A unique serial number is factory-programmed into the USB Device Descriptor of each FS50. Every FS50 is traceable, which is a very important feature for government identity management projects.

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## Features and Benefits

- Unique serial number programmed into the device
- Advanced optical system
- Anti-scratching coating
- Meets the US FIPS 201
- Listed in the US GSA FIPS 201 Evaluation Program Approved Product list

## Target Applications

- Criminal identification
- National ID card
- E-passport
- Voter registration and verification
- Driving License

For any biometric scanner to capture and/or match, biometric software is mandatory - and does not ship with the scanner. Please contact [sales@fulcrumbiometrics.com](mailto:sales@fulcrumbiometrics.com) or call (210)257-5615 #1 to ensure you are compiling the best solution for your needs.

[www.fulcrumbiometrics.com](http://www.fulcrumbiometrics.com)

## Technical Specifications

Physical	Dimensions: 110 x 110 x 45mm Weight: 460g with USB cable, 380 without USB cable Operation temperature: -10 to 55 °C Detachable 2M standard USB cable ESD contact USB 2.0
Fingerprint Sensor	Scanning window: 1.6 x 1.5 inch (40.64 x 38.10 mm) Image resolution: 800 x 750 pixel, 500 DPI Image size: 600K byte Light source: Infrared LED
PC Requirements	Windows XP/Vista/8/CE, Linux
Standards/Compliance	FBI PIV-071006, FIPS 201
Compatibility	<a href="#">Fulcrum Biometric Framework (FbF)</a> , <a href="#">Biodentify</a> , <a href="#">VeriFinger SDK</a> , <a href="#">MegaMatcher SDK</a> , <a href="#">Futronic SDK</a>

## Also Available

### FS51 OEM Module

FS51 is OEM module of FS50. It is available for customers who want to integrate FS50 into their own products, such as a handheld ID verification machine, a portable voter registration station, etc.

FS51 is the same as FS50 but without the plastic shell and USB cable so that it can be embedded into any target system. It is even smaller and lighter:

- Size, 91(L) x 89(W) x 37(H)mm
- Weight, 300 grams



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