FPS-FS88H

Fingerprint Optical USB Scanner

BioLink
Advanced Biometric Solutions

Futronic FS88 is an optical USB 2.0 fingerprint scanner. The scanner was certified by FBI to be compliant with PIV-071006 Image Quality Specification for Singel Finger Reader. Also FS88 is listed in the US General Services Administration (GSA) FIPS 201 Evaluation Program Approved Product List.

FS88H uses advanced CMOS sensor technology and precise optical system to meet the rigorous requirement on fingerprint image quality of PIV-071006. Its fingerprint scanning window is crown glass with a thickness of 14mm that resists scratches and other stress to ensure long term heavy duty usage. It is a robust but cost effective single finger capture device and ideal for border control, identity card, driver license, election and any type of civilian AFIS application.

Special electronic circuit is built into FS88H to do Live Finger Detection (LFD). With appropriate software in PC, user can select this LFD feature so that only live finger's fingerprint will be scanned into PC. Fake fingers made from silicone rubber, play-doh, etc, will be rejected. And the LFD feature is included in all Futronic standard software.

A unique serial number is factory-programmed into the USB Device Descriptor of each FS88H. So every FS88H is traceable and this is very important for government identity management projects.

Futronic provides Application Programming Interface (API) for FS88H to capture fingerprint image on the following platforms:

- Windows 2008/2012/2016, 32 bit and 64 bit.
- Windows 7/8/10, 32 bit and 64 bit.
- Linux with kernel 2.4 or higher (for both x86 and ARM9)
- MAC OS(version 10.6 and 10.7, Intel CPU)
- Android 4.2 and higher with USB Host port

Specification

- Fingerprint scanning window size is 16.26 x 24.38mm
- Image resolution is 320x480 pixels, 500 DPI
- Image format is 8 bit 256 grayscale
- Raw fingerprint image file size is 150K byte
- With Live Finger Detection (LFD) feature
- USB 2.0 compatible interface, plug and play device
- Unique serial number programmed to USB Device Descriptor
- With 16K Byte memory for application-specific data storage
- With a 2M standard USB cable
- Small size, 66 x 66 x 29 mm
- Light weight, 150 gram
- Operation temperature: -10 to +55 Degree Celsius
- Relative Humidity: 0-90% non-condensing
- Compliant to following standards

www.biolinksolutions.com, sales@biolinksolutions.com