

BAYOMETRIC

Futronic FS80

USB 2.0 FINGERPRINT SCANNER



KEY FEATURES

Live finger detection

Scratch resistant non-coated, hard crown glass

Free API to capture fingerprint images

Supports Windows, Linux, WinCE

KEY SPECIFICATIONS

Light source: Infrared LED

Live finger detection (LFD) feature

USB 2.0 compatible interface

WHQL approved for Vista 32&64 bit

PRODUCT DESCRIPTION

The Futronic FS 80 is a USB 2.0 fingerprint scanner that makes use of Futronic's advanced CMOS optical technology to capture fingerprint images. The scanner makes use of four IR LED sources that illuminate the finger and capture high quality images irrespective of the finger's condition (dry, wet, aged or scarred). The platen used in the FS 80 is made of crown glass and is durable and built for working under harsh and challenging conditions.

The FS 80 is also an extremely power friendly product and consumes less than 600 mW when operating and 200 mW when idle. The images produced have 8 bit, 500 DPI resolution and are stored in file sizes less than 150 Kb. The scanner is also equipped with Futronic's LFD feature which is capable of detecting fake fingerprints made of silicone rubber or play-doh used for fraudulent purposes. The scanner tests the fingers for a "liveness" factor and rejects fake fingers. The device is a simple plug and play peripheral owing to the USB 2.0 interface and can be used with systems that support Windows, Linux or Mac, or Android Operating Systems.

TECHNICAL SPECIFICATIONS

Fingerprint scanning window size	16x24mm
Image resolution	480x320 pixel, 500 DPI
Image format	8 bit 256 grayscale
Raw fingerprint image file size	150K byte
Live Finger Detection (LFD)	Yes
USB Compatibility	USB 2.0 compatible interface, plug and play device
Lifetime	Up to 1 million scans
Cable Length	2M standard USB cable
Dimension	45 x 63 x 26 mm
Weight	120 gram
Operation temperature	10 to +55 Degree Celsius
ESD contact	8KV and air discharge – 16KV, no permanent damage
Light source	Infrared LED
Supply voltage	DC 4.5-5.5V via USB port
Power Consumption	active <600mW(during scanning) standby <200mW(when scanner is connected PC but no scanning) sleep mode <11mW(activated by standard USB bus event only)

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CONTACT

Phone	+1 (408) 940-3955
Email	sales@bayometric.co.uk
Web	www.bayometric.co.uk
Address	1743 Park Avenue San Jose, CA 95126

Supported Platforms

Windows XP/2003, 32 bit and 64 bit.
Windows Vista/2008/2012, 32 bit and 64 bit.
Windows 7/8, 32 bit and 64 bit.
Linux with kernel 2.4 or higher (for both x86 and ARM9)
Windows CE 5.0 and 6.0 (for both x86 and ARM9)
MAC OS(version 10.5, 10.6 and 10.7, Intel CPU)
Android 3.1 and higher with USB Host port

ABOUT BAYOMETRIC

Bayometric is a leading global provider of biometric security systems offering core fingerprint identification solutions. Our products and solutions help enterprises, government agencies, custom application developers and system integrators meet their security, identification and access management requirements.

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