Futronic's FS80 USB2.0 Fingerprint Scanner

Major features and benefit:

Futronic's FS80 USB2.0 Fingerprint Scanner uses advanced CMOS sensor technology and precise optical system to deliver high quality fingerprint image. It can capture an <u>Un-distorted</u> raw fingerprint image into PC in 100ms. So it is good for any fingerprint recognition application.

Its finger scanning window is a crown glass with a thickness of 14mm. So it is much more reliable and robust compared to any semiconductor type fingerprint sensor.

The finger is illuminated by 4 infra-red LEDs during scanning and the light intensity is automatically adjusted according to scanning fingerprint's characteristics (wet, dry, blurred, etc) to optimized the quality of the captured fingerprint image.

Special electronic circuit is built into FS80 to do Live Finger Detection(LFD). That is, 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's standard software.

Specification
- Fingerprint scanning window size is 16x24mm
- Image resolution is 480x320 pixel, 500 DPI
- Raw fingerprint image file size is 150K byte
- With Live Finger Detection (LFD) feature
- USB 2.0 compatible interface, plug and play device
- With a 2M standard USB cable
- Small size, 45 x 63 x 26 mm
- Light weight, 120 gram
- Operation temperature: -10 to +55 Degree Celsius

Electrical characteristics
- Light source: Infrared LED
- Supply voltage: DC 4.5-5.5V via USB port
- Power consumption:
  - active 350mW(during finger scanning),
  - standby 100mW,
  - sleep mode 40mW
- Air discharge - 16KV no permanent damage
- ESD contact – 8KV