

# FPS -FS80H

## Fingerprint Optical USB Scanner

FPS-FS80H fingerprint scanner for office use is compact, ergonomically designed and cost-effective. The scanner support Plug&Play technology, can easily attached to a computer and is ready for work immediately after software installation, which is accompanied by step-by-step instructions.



Image resolution	480x320 pixel, 500 DPI
Image format	8 bit, 256 gray scale
Raw fingerprint image file size	150 Kbyte
Lifetime	Up to 1 million scans
Dimensions (L x H x W)	45 x 63 x 26 m
Weight	120 g
Operation temperature	10 to +55 Degree Celsius
Light source	infrared LED
Supply voltage	4.5-5.5V via USB port
Power consumption	<ul style="list-style-type: none"><li>▪ active &lt;600mW (during scanning)</li><li>▪ standby &lt;200mW</li><li>▪ sleep mode &lt;11mW (activated by standard USB bus event only)</li></ul>
ESD contact	8KV, no permanent damage
Air discharge	16KV, no permanent damage

### Various platforms supported

- USB drivers and API to capture a raw fingerprint image are provided for the following platforms:
- Windows 2000/7/8(32/64bit)/10/ 2008 R2/2012R2/2016 (32 bit and 64 bit)  
Linux with kernel 2.4 or higher (for both x86 and ARM9)
- Android 3.1 and higher with USB Host port

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### High level of fingerprint recognition

FPS-FS80H scanners use advanced CMOS sensor technology and precise optical system to deliver high quality fingerprint image. They can capture an almost un-distorted raw fingerprint image into PC in 100ms and are good for any fingerprint recognition application.

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

### Live Finger Detection

Special electronic detector is built into FPS-FS80H to do Live Finger Detection. With appropriate software in PC, user can select this 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.

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