

# Professional fingerprint scanning

AFS 510 Live Scanner

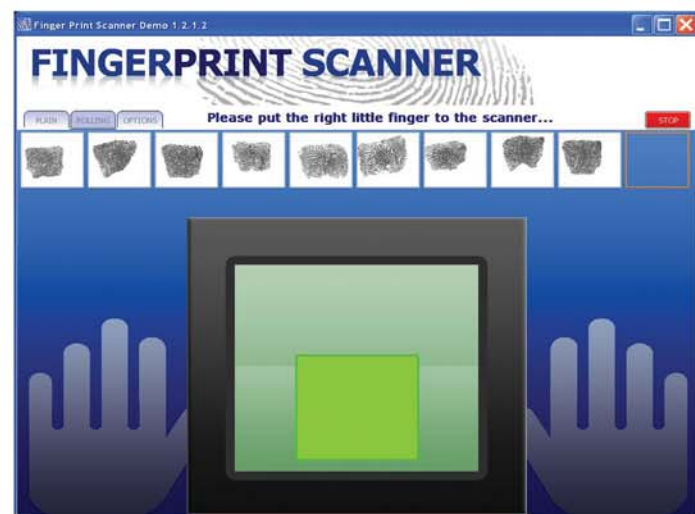


## Uniquely high quality fingerprints in just a few seconds

AFS510 live scanner is a professional, compact 10 fingerprint scanning device designed for the acquisition of single finger flats, rolls and four finger slaps.

AFS510 can be configured to capture the flat fingerprints in various sequences (4+4+2; 2+2+2+2+2; etc.)

Several captures are taken of each flat finger and the highest quality fingerprints are automatically chosen from the image sequence.



Images can be saved in any industry standard format (JPEG, JPEG2000, WSQ, etc.) even in NIST structure.

The forensic quality of the fingerprint scans make them ideal for precise and reliable identification. AFS510 can be efficiently used in various applications eliminating the need for paperbased fingerprint: police database, eVISA application, border control, etc.

The AFS510 comes with an SDK package which ensures easy integration into any IT environment.

### Main advantages of AFS 510 Live Scanner

- High quality fingerprints (comply to FBI App. F)
- Auto finger detection
- Auto segmentation
- Automatic image quality check
- Dual power system (USB, or external power supply)
- Intelligent indicator system
- BioAPI compatibility

### ARH Inc.

H-1126 Budapest, Királyhágó tér 8-9. Hungary  
Phone: +36 1 201 9650 • Fax: +36 1 201 9651  
www.arhungary.hu • E-mail: moreinfo@arhungary.hu



# Technical specifications

## of AFS 510 Live Scanner

### FLAT fingerprint scanning



**Step 1**  
Scanning 4 finger slaps  
from the left hand



**Step 2**  
Scanning 4 finger slaps  
from the right hand



**Step 3**  
Scanning  
the two thumbs

### ROLLED fingerprint scanning



Scanning  
the rolled fingerprint

The above described method is a typical scanning process (4+4+2).  
The device is configurable (ie.: 2+2+2+2+2)

### Mechanical Data

- Size: 156(w) x 141(h) x 162(d) mm (6.14" x 5.55" x 6.38")
- Platen size: 91 x 78 mm (3.58" x 3.07")
- Effective scanning size: 84 x 77 mm (3.31" x 3.03")
- Case: 100% protective metal case
- Operating temperature: +5°C to +40°C (41-104°F)
- Operating humidity: 0-95% (non-condensing)
- Weight (w/o power supply): 3.0 kg (6.61 lb)

### Optical Specifications

- Image resolution: 500 dpi
- Image colour: grayscale (256)

### Other specifications

- Scanning 10 fingerprints
- Rolled fingerprint acquisition
- Intelligent indicator system
- Interface: USB 2.0
- Kensington® security slot
- Handle for easy hand-carry
- Dual power system: powered by USB (two USB ports are necessary), or by external power supply

### Standards and compliances

- FBI certified according to IAFIS IQS Appendix 7
- FBI v3.1 certified WSQ algorithm
- ANSI/NIST-ITL-1-2000
- ISO/IEC 19794-4
- ISO/IEC 19784-1:2005 (BioAPI 2.0 standard)
- CE
- FCC

### Software Development Kit (SDK)

- Supported Operating Systems:  
Windows® 7 (WHQL signed for 32&64 bits),,  
Windows® Vista® (WHQL signed for 32&64 bits),  
Windows® XP (WHQL signed for 32&64 bits),  
Windows® Server 2003 (32/64bit),  
Windows® Server 2008 R2 (32/64bit)
- Programming languages: C++, C#, Visual Basic, Delphi, .NET, Java
- Output image format: BMP, JPEG, JPEG2000, PNG, WSQ
- NIST NFIQ quality checking algorithm included
- BioAPI compatibility

Technical specifications are subject to change without prior notice

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