



# AFS 510

## TEN-PRINT FINGERPRINT SCANNER

### Forensic quality flat and roll fingerprint scanning



As the most widely used biometric verification modality, fingerprint scanning offers highly reliable personal verification from ID issuance to high security access control and border control applications. It is also an ideal choice for eVISA, voter registration, employee screening and basically for any application where forensic quality fingerprints are a must.

AFS 510 is a perfect component for such systems, by utilizing its 10-print enrolment capability, including flat and rolled acquisition methods. This is an FBI-certified device (compliant with FBI IAFIS IQS Appendix F) providing forensic quality enrolment, with a list of smart features like **auto capture, auto segmentation, sequence check and NIST quality check**.

AFS 510 does not fall short either when it comes to user experience. The smart user interface on the scanner guides the user through the capture process while the operator can handle other duties. SDK package ensures seamless integration.



IMMIGRATION



E-GATE

CRIMINAL  
PROCESSINGLAW  
ENFORCEMENTBORDER  
CONTROLVISA  
ISSUINGRESTRICTED  
AREASKIOSK  
INTEGRATIONFBI  
CERTIFICATE

### Main benefits

- Provides convenient fingerprint capturing
- Large scanning platen and ergonomic design
- Offers fully configurable and customizable capture processing
- Guides the user through the entire capture process
- Smart LED indicator system and built-in sound signal
- Yields forensic-quality fingerprints

## Specifications

- 4+4+2 flat and roll fingerprint capturing • compliant with FBI IAFIS IQS Appendix F • excellent quality, 500 PPI finger images • runs on both Windows® and Linux • BioApi compatibility • real-time NFIQ quality control

### Capture unit

Resolution	500 PPI
Platen size	91 mm × 78 mm (3.58" × 3.07")
Active platen area	84 mm × 77 mm (3.31" × 3.03")
Capture	Automatic: single fingerprint rolls, single fingerprint flats, four finger slaps, two thumbs
LED indicators	Smart multicolor LED indicator system
Interface	USB 2.0
Power	Via USB or external power supply

### Compliances

Compliances	ANSI/NIST-ITL-1-2000 ISO/IEC 19794-4 ISO/IEC 19784-1:2005 (BioApi 2.0) NFIQ (NIST Finger Image Quality) FBI IAFIS IQS Appendix F FBI v3.1 certified WSQ CE FCC
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### Software

SDK – Feature-rich SDK that includes:	auto-capture image quality checks automatic segmentation sequence check
Capture format	WSQ, PNG, BMP, JPEG and JPEG2000
Operating Systems	Windows 7, 8, 8.1, 10 + Linux (ask for details)
Programming Languages	C/C++, C#, Visual Basic 6.0, Delphi, VB.NET, Java

### Mechanical and Other Data

Dimensions	156 mm × 141 mm × 162 mm (6.14" × 5.55" × 6.38")
Weight	3.0 kg (6.61 lbs.)
Case	100 % protective metal case
Operating temperature	5 °C to 40 °C (41 °F to 104 °F)
Operating humidity	0-95 % (non-condensing)
Security	Kensington® security slot
Warranty	1-year warranty, upgradeable

Technical specifications are subject to change without prior notice. This document does not constitute an offer.

