



Technical Specifications

DF500 Fingerprint Livescan

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Fingerprint Livescan



The DF500 fingerprint livescan is a lightweight, compact, optical fingerprint device. Its 91mm height should be the ultrathin in optical four fingerprint scanner. USB 2.0 interface eliminates excessive cables. All these allow it to be easily integrated into new or existing applications. There are finger indications to guide operators to capture rolled and flat fingerprints on the panel of DF500 scanner. The software guides the operator through the capture process with on-screen prompts and graphical displays. Real-time image quality check, sequence verification, auto-positioning, auto-rotating, and auto-cutting functions ensure the capture of high-quality prints which is convenient to operators.

Features

- Supports single, rolled and flat capture capabilities
- Automatic calibration
- Automatic positioning fingerprints
- Automatic segmentation
- Automatic elimination of latent prints.
- Fingerprint quality feedback
- Prompting of error finger placing
- Optional automatic or manual capture
- Mist elimination
- Fully compliant with ANSI/NIST ITL-1-2007 standards
- Certified for FBI IAFIS Appendix F
- Fully compliant with ISO/IEC 19794-4; IP 54 compliant





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Resolution	500 dpi $\pm 1\%$
Active Platen Area	3.2 X 3.0 in. (81.3 X 76.2 mm)
Platen Size	3.62 X 3.11 in. (92 X 79mm)
Rolled Area	1.6X 1.5 in. (40.64x 38.1 mm)
Image Pixel Size	1600 X 1500 pixel (Flat Image) 800 X 750 pixel (Rolled Image)
Image Distortion	$\leq 1\%$
Image gray Range	≥ 200 grayscales Grayscale: 8-bit, 256 levels
Collection Rate	Single finger rolling frame rate: 20 Rate/sec. Flat four fingers frame rate: 5 Rate/sec.
Operating Temperature	0 °C ~ 50°C
Storage Temperature	-20°C ~ 60°C
Relative Humidity	10 ~ 90%
Interface	USB 2.0
Capture Mechanism	Automatic
Weight	2.76 lbs. (1.25 kg)
Dimensions	5.35 X 6.34 X 3.6 in. (136 X 161 X 91 mm)
LED Indicators	Power, status, and fingerprint indications
Capture Format	Single fingerprint rolls, single fingerprint flats, four fingers, two thumbs
Standard Software	FBI standard processing software Capture 14 NIST fingerprint images FBI standard WSQ compression module SMTP, FTP, XML and NIST interface module Quality check and sequence check module Segmentation of flats into single fingerprint images
Available SDKs	DTFScanner
Minimum Computer Specifications	Intel® Core™ i3 or higher; 2 GB RAM or higher; 80 GB hard drive or higher; USB 2.0; Windows® 7 or higher
Certifications	FBI Standard CJIS-RS-0010 (V7) IAFIS Image Quality Specifications (IQS) for Scanners Appendix F ANSI/NIST ITL-1-2007 FCC/CE