GreenBit DactyScan 84c
LiveScan Fingerprinting Device

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Features

- 3.2" x 3.0" 10-prints and rolls Livescan at 500 dpi certified by the FBI according to FBI IAFIS IQS App. F. as 1) Livescan System and 2) Identification Flats.
- Up to 25 frames per second (FPS) for 4-slaps and up to 27 (FPS) for rolled prints acquisition.
- Ergonomic design and easy-to-integrate SDK architecture.
- User interface based on 12 LEDs indicates the fingerprint(s) to be acquired and provides quality feedback, eliminating the need for skilled operators.
- Available as OEM for system integrators needing a compact 10-print Livescan to be integrated in embedded solutions.
- AUTOMATIC SEQUENCE CHECKING: Guarantees a correct scanning sequence.
- ROLLED FINGERPRINT CAPTURING: Display in real-time, self-adaptive to rolling speed and directions, seamless composite image generation, automatic stop detection.
- SEGMENTATION: Automatic splitting of four-slap and two thumbs fingerprint images in single flat images.
- CORRECT POSITION AND SLAP COMPLETENESS CHECK: Checks for correct finger placing; checks for incomplete slaps due to missing fingers.
- SLIDE DETECTION FOR FLATS: Detects deformations of fingerprints due to sliding during acquisition.
- STANDARD OUTPUT FORMAT: Creation of "ANSI/NIST-ITL-1-2007" type 1, 2, 4, and 14 records - EFTS71 output format support.
- ELIMINATION OF LATENT PRINTS: Elimination of latent prints originated from recent scans.
- AUTOMATIC ACQUISITION START AND STOP: Sensing of finger placement and automatic acquisition of the image with the highest quality.
- HALO ELIMINATION: Elimination of halo due to moist fingerprints during acquisition.
- IMAGE QUALITY CHECKING: As per NISTIR7151.
- ANTI-FAKE "LITE" : Distinguishes between real human finger patterns and, other surfaces with relief structure (e.g. gloves, tissue).
- IMAGE COMPRESSION: FBI certified WSQ compression; further compression formats available are jpeg and jpeg2000.
- FINGER ALLOCATION CHECK: Checks presence of finger core, and basic/ distal flows.

Dactyscan84c is a compact and FBI Appendix F CERTIFIED 10-print Livescan in full compliance with the "10-print capture scanner & software user group requirements" suitable for all applications in need of 4-slaps and rolled acquisition. Certified FBI IAFIS IQS App. F. for 1) Livescan System and 2) Identification Flats.

Technical Data

Fingerprint Scanner
- Plain four fingers up to 3.2" x 3.0" - Two plain thumbs up to 3.2" x 3.0"
- Flat finger up to 3.2" x 3.0" - Rolled finger up to 1.6" x 1.6"

Interface / Power Supply
- USB

Quality and Formats
- FBI IAFIS IQS CJIS-RS-0010 (V7) Appendix F compliance
- ANSI/NIST-ITL 1-2007
- ISO/IEC FCD 19794-4
- ANSI/NIST-ITL 1-2000
- ANSI/NIST-ITL 1-2000 Interpol Implementation

Temperature
- Storage: from -20°C to +60°C
- Operating: from +0°C to +50°C

Humidity
- From 10 to 90% (non-condensing)

Dimensions and weight
- 148 x 152 x 148 mm
- Weight: 1.4 Kg

Supported Operating Systems
- Microsoft Windows XP, Vista and 7 in 32-bit and 64-bit configuration
- Linux Ubuntu and Fedora distributions (tested with kernel 2.6.35) in 32-bit and 64-bit configuration

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