



BIOMETRIC SYSTEMS

DACTYSCAN84c

THE DACTYSCAN84c IS A COMPACT AND FBI APP. 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. MAIN APPLICATIONS ARE E-ID DOCUMENT ISSUING AND CRIMINAL IDENTIFICATION.



The DactyScan84c is a 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 Livescan System as well as for Identification Flats.

FBI APP. F CERTIFIED

With up to 25 frames per second for 4-slaps and up to 27 frames per second for rolled prints acquisition the DactyScan84c is unique in terms of acquisition speed. An ergonomic design combined with an easy-to-integrate SDK architecture makes the DactyScan84c the perfect choice for system integrators and solution providers.

10-PRINTS AND ROLLED ACQUISITION

A user interface based on 12 LEDs facilitates the acquisition procedure by indicating the fingerprint(s) to be acquired and providing quality feedback thus eliminating the necessity for skilled operators thus increasing workflow efficiency.

HIGH SPEED ACQUISITION: 25 FPS FOR 4-SLAPS 27 FPS FOR ROLLS

High reliability and low maintenance costs since the DactyScan84c is not using silicon pads/coatings or a heated platen to overcome image quality issues due to halo or skin conditions.

LINUX OS COMPATIBLE

The DactyScan84c is available as OEM module as well for all system integrators looking for a compact 10-print Livescan to be physically integrated in embedded solutions.

MULTISCAN SDK FEATURES

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 segmentation 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 FLAT PRINTS:
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. Quality thresholds for images can be set through the Multiscan SDK.

HALO ELIMINATION:
elimination of halo due to moist fingerprints during acquisition.

IMAGE QUALITY CHECKING:
dynamic estimation of fingerprint image quality during scanning process; NISTIR7151 quality check.

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.

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 2.0

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

148 x 152 x 148 mm

WEIGHT

1,5 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