



BIOMETRIC SYSTEMS

DACTYSCAN84

DACTYSCAN84 IS A COMPACT AND FBI CERTIFIED 4-SLAP SCANNER IN FULL COMPLIANCE WITH THE "10-PRINT CAPTURE SCANNER & SOFTWARE USER GROUP REQUIREMENTS" SUITABLE FOR ALL APPLICATIONS IN NEED OF 10 FINGERPRINTS FLAT AND ROLLED ACQUISITION. MAIN APPLICATIONS ARE VISA ISSUING, E-ID DOCUMENTS AND CRIMINAL IDENTIFICATION.



10 FINGERPRINTS, 4-SLAP AND ROLLED ACQUISITION

DactyScan84 is a 3.2" x 3.0" live fingerprint scanner, in conformance with international standards, for acquiring 4-slap/2-thumbs fingerprints as well as rolled fingerprints. Its small footprint and low weight increase mobility make Dactyscan84 suitable for desktop applications and integrated solutions.

Ergonomic design, easy-to-integrate construction and all required functions make DactyScan84 as a perfect choice for integrators and solution providers. Dactyscan84 has an integrated 12 LED graphical user interface eliminates the necessity for skilled operators thus increasing the speed of work process. Equipped with a powered USB 2.0 interface only one cable is needed for power supply and data transfer. No silicon pad or heated glass platen is used resulting in very low maintenance costs.

FBI CERTIFIED

DactyScan84 is suitable for all applications that requiring 4-slap fingerprint acquisition including rolled fingerprints according to FBI IAFIS-IQS quality. Users of this live-scan system can process fingerprints faster, more simple and thanks to Green Bit unique software features more reliable than with the traditional ink method eliminating the need for skilled operator support.

USER INTERFACE FACILITING FINGERPRINT

This revolutionary product initiates a new age for the digital fingerprinting, making the traditional ink technology disappear into oblivion. All civil and law enforcement applications requiring 10 fingerprints scanning will be fully satisfied by DactyScan84 performance and quality.

SOFTWARE SCANNER FUNCTIONS

AUTOMATIC SEQUENCE CHECKING:
eliminates incorrect fingerprints sequence scanning:
hands and fingers swapping or incorrect input

ROLLED FINGERPRINT CAPTURING:
display in real-time, self-adaptive to rolling speed
and directions, seamless composite image
generation, automatic stop detection

SEGMENTATIONS:
automatic splitting of four- slap and two thumbs
fingerprint images in single flat images

AUTO CAPTURE:
sensing of slap/single finger placement on the
scanner

SLIDE DETECTION FOR FLATS PRINTS:
detects deformations of fingerprints due to sliding
during acquisition

FINGER ALLOCATION CHECK:
checks presence of finger core, and basic/ distal
flows

ELIMINATION OF LATENT PRINTS:
elimination of latent prints originated from
recent scans.

AUTOMATIC ACQUISITION STOP:
highest quality image selection during flat
fingerprints scanning

HELO ELIMINATION:
elimination of halo due to moist fingerprints during
acquisition

IMAGE QUALITY CHECKING:
dynamic estimation of fingerprint image quality dur-
ing scanning process; NISTIR7151 quality check

ANTI-FAKE "LITE" :
distinguishes between real human finger patterns
and other surfaces with relief structure (e.g. gloves,
tissue)

WSQ COMPRESSION:
FBI certified software to compress the fingerprint
images JPEG, JPEG2000 Output

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

USB 2.0 Plus Powered

QUALITY AND FORMATS

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

TEMPERATURE

Storage: from 0°C to +50°C - Operating: from +5°C to +40°C

HUMIDITY

From 10 to 90% non-condensing

DIMENSIONS

134 x 151 x 125 mm

WEIGHT

1,5 Kg