DACTYSCAN84c

GREEN BIT

BIOMETRIC SYSTEMS

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 ALSO OFFERED WITH A FLAT-TOP COVER TO FACILITATE INTEGRATION IN KIOSKS OR JUMPKITS.

FBI EBTS/F CERTIFIED

AVAILABLE WITH TWO DIFFERENT TOP COVERS: STANDARD AND FLAT-TOP

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.

With up to 27 frames per second for 4-slaps and up to 25 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: 27 FPS FOR 4-SLAPS 25 FPS FOR ROLLS

The Dactyscan84c is available as OEM module 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-1-2007/2011"
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.

IMAGE COMPRESSION:
FBI certified WSQ compression; further compression
formats available are jpeg and jpeg2000.

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 1-2007/2011 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(H) mm (standard top-cover) 148 x 152 x 121(H) mm (flat top-cover)
WEIGHT	1,4 Kg
SUPPORTED OPERATING SYSTEMS	Microsoft Windows XP, Vista, 7, 8 and 8.1 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
CERTIFICATION	CE, FCC, KCC e ISO 60950-1