



Thales Cogent DactyScan40i

Single Finger Scanner

The DactyScan40i is a compact FBI certified fingerprint scanner integrating a 12 3-color LED based graphical user interface to facilitate the acquisition process. It can be used in a wide range of applications where dual, rolled and flat fingerprint acquisition is required: civil identification, e-ID documents issuing, border control and other public authority related applications.

The DactyScan40i is a compact single dual and rolled fingerprint scanner compliant to international image quality standards thus suitable for integration in a wide range of Government-ID related applications. Small dimensions and low power consumption guarantee for matchless mobility and portability.

COMPACT DIMENSIONS

High image quality is guaranteed as the DactyScan40i is FBI FAP 45 and PIV certified. Unique features make the DactyScan40i very easy-to-use for operators regardless of their skill level.

USER INTERFACE FACILITATING FINGERPRINT ACQUISITION

The DactyScan40i is efficiently protected against environmental influences in order to increase reliability and reduce maintenance costs.

FBI FAP 45 AND PIV CERTIFIED

The DactyScan40i integrates a graphical user interface, composed by hand pictograms and 12 three color leds indicating the scanning sequence and providing quality feedback for every scanned fingerprint rendering fingerprint acquisition as simple as possible.

The DactyScan40i represents the best choice for any application requiring flat/dual and rolled fingerprint acquisition compliant with ANSI/NIST standards, high acquisition speed and mobility. Possible applications are e-ID documents and e-passport issuing, on-the-road identification, border control and monetics.

PLEASE NOTE, INTERNATIONAL DESTINATIONS REQUIRE AN EXPORT LICENSE FROM THE STATE DEPARTMENT. THE APPLICATION PROCESS CAN LAST UP TO 45 DAYS.

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MultiScan SDK Features

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.

ELIMINATION OF LATENT PRINTS:

elimination of latent prints originating from recent scans.

ROLLED FINGERPRINT CAPTURING:

self adaptive to rolling speed and direction.

CORRECT POSITION AND SLAP COMPLETENESS CHECK:

checks for correct finger placing;
checks for incomplete slaps due to missing fingers.

IMAGE QUALITY CHECKING:

dynamic estimation of fingerprint image quality during scanning process.

ARTEFACTS DETECTION FOR ROLLED FINGERPRINTS:

controls for correct rolling of prints indicating artefact areas compromising the fingerprint image.

AUTOMATIC DIAGNOSTIC:

automatic hardware and software checking.

IMAGE COMPRESSION:

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

Technical Specifications

Active Scanning Window	1.6" x 1.6", 500 dpi, Dual flat finger and single rolled finger
Interface	USB 2.0
Image Quality & Formats	FBI IAFIS IQS Appendix F (FAP 45), FBI-PIV certified, ANSI/NIST-ITL 1-2007/2011, ISO/IEC FCD 19794-4, ANSI/NIST-ITL 1-2000, ANSI/NIST-ITL 1-2000 Interpol Implementation
Options	DactyMatch SW
Temperature	Storage: from -20 °C to +60 °C - Operating: from 0 °C to +50 °C
Humidity	From 10 to 90% non-condensing
Weight	500 gr.
Dimensions	85,5 x 124 x 80 mm
Supported Operating Systems	Microsoft Windows up to Win10 in 32-bit and 64-bit configuration
IP Rating	IP54
Certifications	CE, FCC, RoHS