

DactyScan 10-Print Fingerprint Scanner

Compact Fingerprint Scanner for Desktop or Mobile ID Applications

DactyScan84c is a high-speed FBI APP. F certified 10-print live fingerprint scanner, ideal for large government programs such as E-Passports, border crossing cards, E-ID employee credentials, criminal identification, and all other applications in need of 10 fingerprints captured via 4-slap and rolled acquisition according to FBI IAFIS-IQS



quality requirements. Its low footprint, light weight and small size increase mobility making DactyScan84c suitable for both desktop applications and integrated mobile ID solutions, including the GIERS (Government Identity Enrollment Station) and PIK (Portable Identity Kit) powered by Raven, Corvus Integration's advanced Identity Management Capture Software. DactyScan84c processes fingerprints faster, more easily, and, thanks to Green Bit unique software features, more reliably compared to the traditional ink method. DactyScan84c features a 12 LED graphical user interface, eliminating the need for skilled operators and increasing workflow efficiency. No silicon pad or heated glass platen is used, resulting in high reliability and low maintenance costs. Its ergonomic design, efficiency and easy-to-integrate SDK architecture makes DactyScan84c the best choice for integrators and biometric solution providers.

Features and Benefits

- FBI APP.F certified
- Full compliance with the "10-print capture scanner & software user group requirements"
- High Speed Acquisition: 25 Frames Per Second for 4 slaps and 27 FPS for rolls
- 12 LED graphical interface for easy-to-use operation
- Easy-to-integrate SDK architecture
- High reliability Low maintenance costs
- Compact and lightweight
- RAVEN software compatible
- idblox® approved

Multiscan SDK Features

- **AUTOMATIC ACQUISITION START AND STOP**
Senses finger placement and automatically acquires the image with the highest quality. Quality thresholds for images can be set through the Multiscan SDK.
- **ELIMINATION OF LATENT PRINTS**
Eliminates latent prints originated from recent scans.
- **HALO ELIMINATION**
Eliminates halo from moist fingerprints during acquisition.
- **ROLLED FINGERPRINT CAPTURING**
Display is in real-time self-adaptive to rolling speed and directions with seamless composite image generation and automatic stop detection.
- **AUTOMATIC SEQUENCE CHECKING**
Guarantees a correct scanning sequence.
- **SEGMENTATION**
Automatically segments four-slap and two thumbs fingerprint images into single flat images.
- **IMAGE QUALITY CHECKING**
Dynamically estimates fingerprint image quality during scanning process; NISTIR7151 quality check.
- **CORRECT POSITION AND SLAP COMPLETENESS CHECK**
Checks for correct finger placement and for incomplete slaps due to missing fingers.

For more information, contact your CardLogix Sales Representative.



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TECHNICAL DATA

FINGERPRINT SCANNER	Plain four fingers up to 81.3 x 76.2mm (3.2" x 3.0") Two plain thumbs up to 81.3 x 76.2mm (3.2" x 3.0") Flat finger up to 81.3 x 76.2mm (3.2" x 3.0") Rolled finger up to 40.6 x 40.6mm (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 (-4°F to 140°F) Operating: from +0°C to +50°C (32°F to 122°F)
HUMIDITY	From 10 to 90% (non-condensing)
DIMENSIONS	148 x 152 x 148mm (5.8" x 6.0" x 5.8")
WEIGHT	1.4 Kg (3 lbs)
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
SUPPORTED SOFTWARE PLATFORMS	Raven by Corvus Integration Card Encoding Engine™ idblox® compatible