

THE B-Scan™ DF 0251 IS A COMPACT FBI CERTIFIED FINGERPRINT SCANNER INTEGRATING A 10 3-COLOR LED BASED GRAPHICAL USER INTERFACE FACILITATING 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.



#### COMPACT DIMENSIONS

B-SCAN™ DF 0251 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.

#### USER INTERFACE FACILITATING FINGERPRINT ACQUISITION

High image quality is guaranteed as the B-SCAN™ DF 0251 is FBI FAQ 45 and PIV certified. Unique features make the B-SCAN™ DF 0251 very easy-to-use for operators regardless of their skill level. The B-SCAN™ DF 0251 is efficiently protected against environmental influences in order to increase reliability and reduce maintenance costs.

#### FBI FAQ 45 AND PIV CERTIFIED

The B-SCAN™ DF 0251 integrates a graphical user interface, composed by 10. 3-color LEDs (one for each finger) indicating the scanning sequence and providing quality feedback for every scanned fingerprint rendering fingerprint acquisition as simple as possible. Thanks to its sophisticated SDK B-SCAN™ DF 0251 can be integrated very fast and time saving in any turn-key solution. To prevent damage and theft B-SCAN™ DF 0251 can be fixed to a countertop or desktop.

The B-SCAN™ DF 0251 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.

# B-SCAN™ DF 0251

## 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.

**ROLLED FINGERPRINT CAPTURING:**  
self adaptive to rolling speed and direction.

**IMAGE QUALITY CHECKING:**  
dynamic estimation of fingerprint image quality during scanning process.

**CORRECT POSITION AND SLAP COMPLETENESS CHECK:**  
Checks for correct finger placing; checks for incomplete slaps due to missing fingers.

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

**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 DATA

FINGERPRINT SCANNER	1.6" x 1.6", 500 dpi +/-1%, compliant to the CJIS-RS-0010 (V7) "IAFIS Image Quality Specifications", appendix F
INTERFACE/POWER SUPPLY	USB 2.0
SOFTWARE	Driver USB 2.0 MultiScan SDK - Software Development Kit WSQ compression JPEG2000 compression
TEMPERATURE	Storage: from -20°C to +60°C - Operating: from 0°C to +50°C
HUMIDITY	From 10 to 90% non-condensing
DIMENSIONS	85,5 x 124 x 80 mm
WEIGHT	500 gr.
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

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