



BIOMETRIC SYSTEMS

DACTYID20_SC

THE DACTYID20_SC WITH SMARTCARD READER IS A COMPACT SINGLE-FINGER LIVESCAN OFFERING A SUPERIOR BUILT-IN FAKE FINGERS DETECTION SYSTEM. THIS MAKES THE DACTYID20_SC THE BEST CHOICE ESPECIALLY FOR UNATTENDED APPLICATIONS LIKE KIOSKS, PC/NETWORK-LOGIN, TIME AND ATTENDANCE AND MANY OTHERS.



DactyID20_SC integrates a contact smartcard reader in a small footprint and low power consumption guarantee for matchless mobility and portability.

RESOLUTION 500 DPI

FBI/PIV certified guarantees image conformance according to FBI and ISO standards.

FBI/PIV CERTIFIED

Built-In HW-based Fake Finger Detection to significantly increase security for all unattended applications. Resist spoofing attacks with all known materials.

HW BASED FAKE FINGER DETECTION

DactyID20_SC becomes the best choice whenever a standard compliant, compact, versatile and high quality Live-scanner is needed. Moreover the DactyID20_SC supports, besides Windows, Android and Linux Operating System.

MULTISCAN SDK FEATURES:

Various API and sample codes for application development.

AUTOMATIC FORMAT CLIPPING:
generation of any required image size according to application requirements.

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.

IMAGE COMPRESSION:
FBI certified WSQ compression
JPEG and JPEG2000

IMAGE QUALITY CHECKING:
image quality assessment according to NISTIR7151 standard

TECHNICAL SPECIFICATIONS

ACTIVE SCANNING WINDOW	0,8" x 0,7" - 500 dpi Single flat finger
INTERFACE	USB 2.0
IMAGE QUALITY AND FORMATS	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 Imp.
FAKE FINGER DETECTION	HW based to guarantee highest efficiency
TEMPERATURE	Storage: from -20°C to +60°C - Operating: from +0°C to +50°C
HUMIDITY	From 10 to 90% (non-condensing)
DIMENSIONS	75,5 x 90 x 54 mm
WEIGHT	185 gr.
SUPPORTED OP. SYSTEMS	Microsoft Windows up to Win10 in 32-bit and 64-bit configuration - Linux Ubuntu and Fedora distributions in 32-bit and 64-bit configuration - Android
IP RATING	IP54
CERTIFICATIONS	CE, FCC, RoHS
OPTIONS	DactyMatch SW

SMARTCARD SPECIFICATION

STANDARDS	ISO 7816 & EMV 2000 Level 1
PROTOCOLS	T=0, T=1, 2-wire: SLE 4432/42 (S=10), 3-wire: SLE 4418/28 (S=9), I ² C(S=8)
SMART CARD DETECTION	Movement detection with auto power-off Automatic detection of smart card type Short circuit and thermal protection
CARD SIZE	ID-1 (full-size)
INTERFACE SPEED	420 kbps (when supported by card)
CLOCK FREQUENCY	Fixed at 4.8Mhz
SUPPORTED CARD TYPES	5V,3V and 1.8V Smart Cards, ISO 7816 Class A,B and C
POWER TO SMART CARD	60 mA
STATUS INDICATOR	color LED Dual
COMPLIANCE/ CERTIFICATION	Microsoft WHQL, EMV 2000 Level 1, ISO