



BIOMETRIC SYSTEMS

MULTISCAN527g



THE MULTISCAN527G IS THE DEFINITIVE LIVESCAN FOR LAW ENFORCEMENT APPLICATIONS. OFFERING SUPERIOR IMAGE QUALITY AND MATCHLESS ACQUISITION SPEED THE MULTISCAN527G ACQUIRES NOT ONLY 10-PRINTS, ROLLS AND HALF-PALMS BUT ALSO ALL TYPES OF SUPPLEMENTAL PRINTS AS PER FBI STANDARDS: THENAR (BALL OF PALM), FULL FINGER (DISTAL, MEDIAL AND PROXIMAL) AND FINGERTIP IMPRESSIONS.

FBI APP. F CERTIFIED AND APP.P COMPLIANT

Having a resolution of 500 dpi and an active window of 5" x 5" the MultiScan527g allows for an acquisition speed of up to 8 fps in full frame mode and up to 25 fps for rolled prints.

ACQUIRES SUPPLEMENTAL PRINTS: ROLLED THENAR, FULL FINGER AND FINGERTIPS

An easy-to-integrate and features rich SDK for all common platforms reduces integration time to a minimum thus making the MultiScan527g the perfect choice for system integrators and solution providers.

HIGH SPEED ACQUISITION

Well studied ergonomics and a user interface based on 2 buttons and three color leds to facilitate the acquisition process.

USER-FRIENDLY ERGONOMICS

High reliability and low TCO: the MultiScan527g is not requiring consumables like silicon pads/coatings or a heated platen to overcome image quality issues due to halo or skin conditions.

The MultiScan527g can be equipped with a smartcard and/or contactless reader whenever operator identification is required. Further the MultiScan527g is available as OEM module for all system integrators looking for a compact palm Livescan to be physically integrated in embedded solutions.

MULTISCAN SDK FEATURES

CORRECT POSITION AND SLAP COMPLETENESS CHECK: checks for correct finger and palm placing; checks for incomplete slaps or palm.

ELIMINATION OF LATENT PRINT: originating from recent scans.

HALO ELIMINATION: elimination of halo due to moist fingerprints during acquisition.

ROLLED FINGERPRINT CAPTURING: displays in real-time, self-adaptive to rolling speed and directions, automatic stop detection.

SEGMENTATION: automatic segmentation of four-slap and two thumbs fingerprint images in single flat images.

AUTOMATIC ACQUISITION START AND STOP: sensing of finger placement and automatic acquisition of the image with the highest quality.

REAL TIME IMAGE QUALITY CHECKING: real-time estimation of fingerprint image quality during scanning process according to NISTIR7151.

IMAGE COMPRESSION:

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

STANDARD OUTPUT FORMAT:

creation of "ANSI/NIST-ITL-1-2007 and 2011" type 1,2,4,14 and 15 records - EFTS71 output format support.

ROLLED ACQUISITION OF FULL FINGER AND THENAR

LOWER VS. UPPER PALM IDENTITY CHECK:

based on interdigital area to check if both half-palm images are from the same hand.

SEGMENTATION AND SEQUENCE CHECK FOR UPPER PALM:

for cases when the upper palm is acquired instead of 4-finger slap.

UPPER PALM MEDIAL-PROXIMAL PHALANGES

QUALITY AND COMPLETENESS CHECK:

to ensure all information available from palms is acquired.

TECHNICAL DATA

ACTIVE SCANNING WINDOW	4-slaps and half-palms up to 5" x 5" – Rolled fingers up to 1,6" x 1,6" , Rolled thenar up to 4.5" x 3", rolled and flat full finger up to 5" x 1,6", rolled fingertips up to 1,6" x 1,6" - 500 dpi
INTERFACE	USB 2.0
IMAGE QUALITY AND FORMATS	FBI IAFIS IQS Appendix F certified and Appendix P compliant 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	300 x 300 x 183 mm
WEIGHT	4,9 Kg
SUPPORTED OPERATING 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
IP RATING	IP54
CERTIFICATIONS	CE, FCC, RoHS
POWER SUPPLY	Input 100-240 Vac, 50 ÷ 60 Hz Output 5Vdc, 10 W max
OPTIONS	Foot pedal, metal transport case, smartcard and/or contactless reader as per customer requirements DactyMatch SW