

THE MULTISCAN527 IS THE DEFINITIVE LIVESCAN FOR LAW ENFORCEMENT APPLICATIONS. OFFERING SUPERIOR IMAGE QUALITY AND MATCHLESS ACQUISITION SPEED THE MULTISCAN527 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.



Having a resolution of 500 dpi and an active window of 5" x 5" the MultiScan527 allows for an acquisition speed of up to 8 fps in full frame mode and up to 25 fps for rolled prints.

**FBI APP. F  
CERTIFIED AND  
APP.P COMPLIANT**

An easy-to-integrate and features rich SDK for all common platforms reduces integration time to a minimum thus making the MultiScan527 the perfect choice for system integrators and solution providers.

**ACQUIRES  
SUPPLEMENTAL  
PRINTS: ROLLED  
THENAR, FULL FINGER  
AND FINGERTIPS**

Well studied ergonomics and a 3.2" full color LCD touchscreen help to enhance workflow efficiency while reducing the need for skilled operators.

**HIGH SPEED  
ACQUISITION**

High reliability and low TCO: the MultiScan527 is not requiring consumables like silicon pads/coatings or a heated platen to overcome image quality issues due to halo or skin conditions.

**USER-FRIENDLY  
ERGONOMICS**

The MultiScan527 can be equipped with a smartcard and/or contactless reader whenever operator identification is required. Further the MultiScan527 is available as OEM module for all system integrators looking for a compact palm Livescan to be physically integrated in embedded solutions.



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## 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



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