

# MULTISCAN527



BIOMETRIC SYSTEMS

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.



---

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

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.

---

## 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 MultiScan527 the perfect choice for system integrators and solution providers.

---

## HIGH SPEED ACQUISITION

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

---

## USER-FRIENDLY ERGONOMICS

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.

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.

## 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<br>ANSI/NIST-ITL 1-2007/2011<br>ISO/IEC FCD 19794-4<br>ANSI/NIST-ITL 1-2000<br>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<br>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<br>Output 5Vdc, 10 W max  |
| OPTIONS                     | Foot pedal, metal transport case, smartcard and/or contactless reader as per customer requirements<br>DactyMatch SW   |