



CORVUS
—BIOMETRICS—

PRODUCT DATA BRIEF

GreenBit MultiScan 527

The only LiveScan Device acquiring
Major Case Prints

Features

- Up to 5" x 5" (4-slaps, palms), and up to 1.6" x 1.6" (rolls) at 500 dpi, 256 grayscale certified by the FBI according to FBI CJIS-RS-0010 (V7) appendix F. as Livescan System as well as for Identification Flats.
- Up to 8 frames per second (FPS) for half-palms (5" x 5") and up to 25 (FPS) for rolled acquisition.
- On board programmable buzzer
- 3.2" full color LCD touchscreen for on-device management of the acquisition process.
- Programmable scanner recalibration allows recalibration of the scanner on site
- Scanner addressability allows for multiple MultiScan 527 connect to the same PC.
- AUTOMATIC SEQUENCE CHECKING: Checks for hands and fingers swapping or incorrect input throughout the acquisition sequence.
- ROLLED FINGERPRINT CAPTURING: display in real-time, self-adaptive to rolling speed and directions, seamless composite image generation, automatic stop detection.
- SEGMENTATION: automatic splitting of four- slap and two thumbs fingerprint images in single flat images.
- ARTIFACTS CONTROL: Detects artifacts created by improper rolled print acquisition (smearing, smudging).
- SLIDE DETECTION FOR FLAT PRINTS: detects deformations of fingerprints due to sliding during acquisition.
- STANDARD OUTPUT FORMAT: Creation of ANSI/NIST-ITL-1-2007, 2009 type 1, 2, 4, 14 and 15 records.
- ELIMINATION OF LATENT PRINTS: elimination of latent prints originated from recent scans.
- AUTOMATIC ACQUISITION START AND STOP: sensing of slap/single finger placement on the scanner and highest quality image selection during flat fingerprint scanning.
- HALO ELIMINATION: elimination of halo due to moist fingerprints during acquisition.
- IMAGE QUALITY CHECKING: as per NISTIR7151
- ANTI-FAKE "LITE" : distinguishes between real human finger patterns and, other surfaces with relief structure (e.g. gloves, tissue).
- IMAGE COMPRESSION: FBI certified WSQ compression; further certified compression formats available are jpeg and jpeg2000.
- FINGER ALLOCATION CHECK: checks presence of finger core, and basic/ distal flows.



MultiScan 527 addresses all applications requesting FBI IAFIS IQS App. F certified palm, 10-print and rolled acquisition. The MultiScan527 is the **ONLY** Livescan on the market also acquiring major case prints: **thenar** (ball of palm), **joint fingers flat and rolled** and **rolled fingertips**, making the MultiScan 527 the best choice for Criminal Identification and Booking.

Technical Data

Fingerprint Scanner

- 4-slaps, palms up to 5" x 5"
- Rolled finger up to 1.6" x 1.6"

Interface / Power Supply

- USB 2.0

Quality and Formats

- FBI CJIS-RS-0010 (V7) Appendix F compliance
- ANSI/NIST-ITL 1-2007, 2009
- NISTIR7151

Temperature

- Operating: from +0°C to +50°C

Humidity

- From 10 to 90% (non-condensing)

Dimensions and weight

- 7.64" x 11.8" x 7.2" (184mm x 300mm x 183mm)
- Weight: 10.8 lbs. (4.9kg)

Supported Operating Systems

- Microsoft Windows XP, 2000, 2003 Server, Vista, 7 and 8 in 32/64-bit configuration
- Linux Ubuntu and Fedora distributions in 32-bit and 64-bit configuration



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