



CORVUS
— INTEGRATION —

PRODUCT DATA BRIEF

GreenBit MultiScan 527

LiveScan finger/palm

Features

- Up to 5" x 5" (4-slaps, palms), and up to 1.6" x 1.5" (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.
- 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, 2011 type 1, 2, 4, 14 and 15 records – EFTS71 output format support.
- 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
- LOWER VS. UPPER PALM IDENTITY CHECK: based on interdigital area t o check if both half-palm images are from the same hand.
- 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 MultiScan offers superior image quality and acquisition speed and in addition to 10-prints, rolls and half-palms, it also collects all types of supplemental prints as per FBI EBTS Appendix P standard: rolled thenar (ball of palm) and hypothenar (writer's palm), full finger flat and rolled (distal, medial and proximal) making the MultiScan 527 the best choice for Criminal Identification and Booking.

Technical Data

Fingerprint Scanner

- 4-slaps, half-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 IAFIS IQS App.F, Appendix P (major case prints) compliance
- ANSI/NIST-ITL 1-2007/2011
- ANSI/NIST-ITL 1-2000 Interpol Implementation ISO/IEC FCD 19794-4

Temperature

- Operating: from +0°C to +50°C

Humidity

- From 10 to 90% (non-condensing)

Dimensions and weight

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

Supported Operating Systems

- Windows, Linux, Android



CORVUS
— INTEGRATION —

Corvus Integration, Inc.
11710 Plaza America Drive, Suite 2000, Reston, VA 20190 USA

Tel.: +1 703.871.5066
Fax: +1 206.338.3436
e-mail: corvus@corvusid.com
<http://www.corvusid.com>