

# Thales Cogent Palm Scanner MultiScan527g

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The Cogent Palm Scanner MultiScan527g is the definitive livescan for law enforcement applications. Offering superior image quality and matchless acquisition speed the Cogent Palm Scanner 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 Cogent Palm Scanner MultiScan527g allows for an acquisition speed of up to 8 fps in full frame mode and up to 25 fps for rolled prints.

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

## Acquires Supplemental Prints: Rolled Thenar, Full Finger and Fingertips

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

## High Speed Acquisition

High reliability and low TCO: the Cogent Palm Scanner MultiScan527g 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 Cogent Palm Scanner MultiScan527g can be equipped with a smartcard and/or contactless reader whenever operator identification is required.

Further the Cogent Palm Scanner MultiScan527g is available as OEM module for all system integrators looking for a compact palm Livescan to be physically integrated in embedded solutions.

# Cogent Palm Scanner MultiScan527g

## 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