

# Thales Palm Scanner MultiScan527/527g



## Identity & Biometric Solutions

The Thales Palm Scanner MultiScan527/527g is the definitive live scan for law enforcement applications. Offering superior image quality and matchless acquisition speed the Thales Palm Scanner MultiScan527/527g 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 Thales Palm Scanner MultiScan527 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 Thales Palm Scanner MultiScan527 the perfect choice for system integrators and solution providers.

### 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.
- **SLIDING DETECTION FOR FLAT PRINTS:** detects deformations of fingerprints due to sliding during acquisition.
- **REAL TIME IMAGE QUALITY CHECKING:** real-time estimation of fingerprint image quality during scanning process according to NISTIR7151 (NFIQ and NFIQ2).
- **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 inter digital 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.

## User-Friendly Ergonomics

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

### MultiScan527

With a 3.2" full color LCD touchscreen



### MultiScan527g

With an user interface based on 2 buttons and three-color LEDs



## Technical Data

<b>ACTIVE SCANNING WINDOW</b>	<ul style="list-style-type: none"> <li>• 4-slaps and half-palms up to 5" x 5"</li> <li>• Rolled fingers up to 1,6" x 1,6"</li> <li>• 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</li> </ul>
<b>INTERFACE</b>	USB 2.0
<b>IMAGE QUALITY AND FORMATS</b>	<ul style="list-style-type: none"> <li>• FBI IAFIS IQS Appendix F certified and Appendix P compliant</li> <li>• ANSI/NIST-ITL 1-2007/2011, ISO/IEC FCD 19794-4</li> <li>• ANSI/NIST-ITL 1-2000, ANSI/NIST-ITL 1-2000 Interpol Implementation</li> </ul>
<b>TEMPERATURE</b>	<ul style="list-style-type: none"> <li>• Storage: from -20°C to +60°C</li> <li>• Operating: from 0°C to +50°C</li> </ul>
<b>HUMIDITY</b>	From 10% to 90% (non-condensing)
<b>DIMENSIONS</b>	300 x 300 x 183 mm
<b>WEIGHT</b>	4,9 Kg
<b>SUPPORTED OPERATING SYSTEMS</b>	<ul style="list-style-type: none"> <li>• Microsoft Windows® up to Win11 64-bit configuration</li> <li>• Linux Ubuntu and Fedora distributions in 32-bit and 64-bit configuration</li> <li>• Android</li> </ul>
<b>IP RATING</b>	IP54
<b>CERTIFICATIONS</b>	CE, FCC, RoHS
<b>POWER SUPPLY</b>	<ul style="list-style-type: none"> <li>• Input 100-240 Vac, 50 - 60 Hz.</li> <li>• Output 5Vdc, 10W max</li> </ul>
<b>OPTIONS</b>	<ul style="list-style-type: none"> <li>• Foot pedal, metal transport case, smartcard and/or contactless reader as per customer requirements</li> </ul>