cetecom advanced

Pre-certification Test services for
# Biometric Fingerprint Sensor/Algorithm

IS THE GOAL TO CERTIFY AN ALGORITHM AND A FINGERPRINT SENSOR AGAINST STANDARDIZED PROCESSES OF DIFFERENT SCHEMES OR TO DO QUALITY ASSURANCE TESTING?

In order to support our customers during these phases cetecom advanced developed the following

- **Sensor related patterns (so-called "non-fingerprint")**
- **Real fingerprint replication sets**

Quality assurance is a key step in the process of creating a certifiable biometric identification or payment product. To optimize and guarantee high quality, cetecom advanced is offering additional services for manufacturers and issuers of a fingerprint based biometric product to optimize the products during the different development stages.
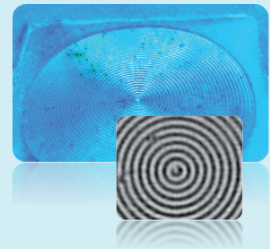
Find below the benefits of cetecom advanced developed patterns and Fingerprint replications.

Sensor related patterns and fingerprint replication optimize product quality against

SENSOR RELATED PATTERNS

- to optimize resolution topics very fast
- test the validity of sensor resolution results
- usable for optical and capacitive sensors
- patterns are about 20 x 20 mm size
- used concentric patterns with ring
- alternating angles with 2.5°/10° up and down

https://www.youtube.com/watch?v=fT5sarzBRvY

REAL FINGERPRINT REPLICATION SETS

- High quality optimized fake fingers generated out of a database
- Payment industry approved process
- FIDO compliant (Level A, Level B, Level C) with PAI species materials
- ISO 30107 compliant with measuring IAPMR (Imposter Attack Presentation Match Rate") attack success rate
- FAR and FRR Testing: Generate your own database in the exact resolution from research fingerprint database publically available or customer centric fingerprint database
- Pandemic resistant - no need to get more than 100 real persons to collect the fingerprints
- Reproducible and standardized testing
- No legal issue - some countries it is only allowed to the governmental organizations to gather fingerprints from people

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