

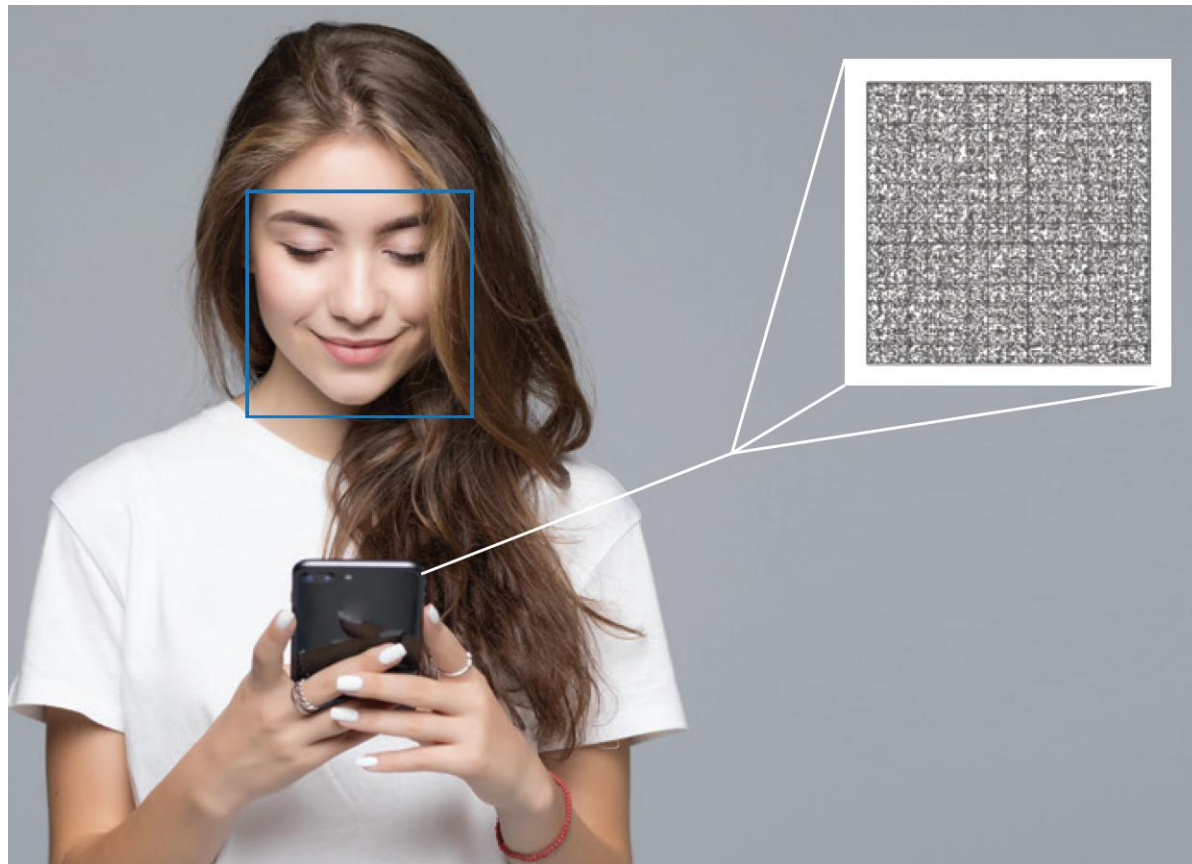


T5-IDencode

DISRUPTIVE BARCODE-BASED ID STORAGE
AND AUTHENTICATION SOLUTION

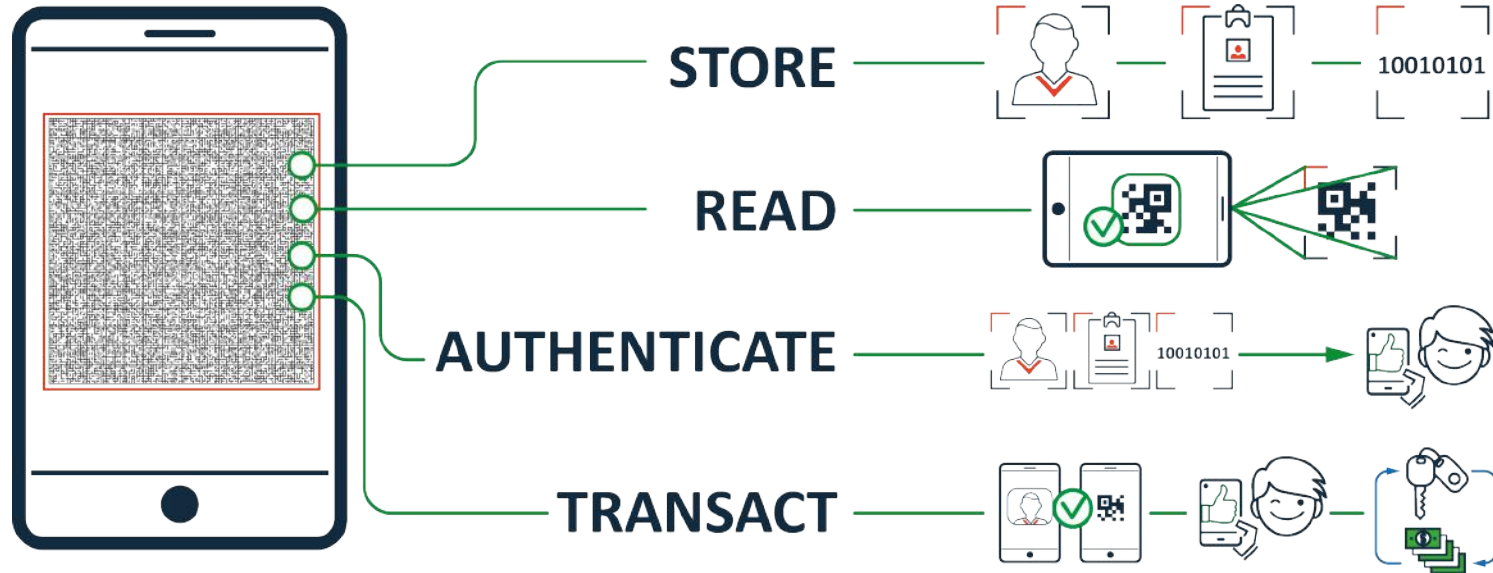


www.tech5.ai



The T5-IDencode innovative solution is a unique combination of latest technologies enabling cost effective Digital Identity management in support of Digital Onboarding and Authentication

The underlying TECH5 barcode technology is capable of storing biographical data, biometric templates as well as a highly compressed face image, all in an encrypted format





COMPLETE OFFLINE SOLUTION FOR YOUR MOBILE AUTHENTICATION NEEDS

for secure storage and multi-factor customer authentication.



FACE AND FINGERPRINT RECOGNITION TECHNOLOGIES

to capture face and fingerprint images and conversion into templates; authenticate a person within seconds against reference templates stored in the barcode.



FACE IMAGE COMPRESSION ALGORITHM

to compress face images to 1 kilobyte size.



HIGH DEFINITION BARCODE TECHNOLOGY WITH ERROR CORRECTION

to store complete personal data, a face image and biometric templates, all protected by data encryption.



PKI

to authenticate the barcode and make sure that only the authorized holder can unlock the data that is stored.



LIVENESS DETECTION SOFTWARE

to run liveness checks on face and fingerprint images captured with the mobile app.

OFFLINE VERIFICATION WITH T5-IDENCODER



Document holder hands over the Document for verification

The verifier scans the Document using the Mobile application

After the code is scanned, the verifier takes a photo of face or finger of the Document holder standing in front of him

The biometric template stored in the code at the time of registration & the live capture during verification are then compared using the TECH5 biometric technology

Height accuracy biometric matching (>99.4% @ FAR=10⁻⁶) as confirmed by NIST reports

If the biometric is matched, the Application gives the Appropriate visual indication and will go to the next business logic



COST EFFICIENCY

- ❑ Cost effective alternative to smart cards (no chip needed)
- ❑ Can be issued in both Print & Digital formats
- ❑ Only an offline device is required to securely read, decode & validate data. Typically, BYOD model, where there is no cost to the issuer for verification



PRIVACY & SECURITY

- ❑ PKI enabled non-repudiable secure code
- ❑ Hardware Security Module (HSM) based Digital Cryptogram generation
- ❑ Code is generated by the issuer at their location using the TECH5 Secure 2D Barcode
- ❑ Verification of the Code is completely offline and does not require access to the data issuer

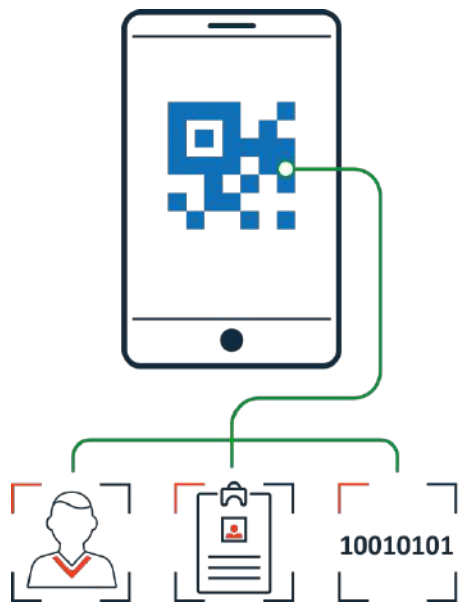


SCALABILITY

- ❑ Unifies issuer & verifier on a global scale within minutes
- ❑ Fully integrated biometric modalities like face and/or finger
- ❑ The solution is designed to handle a very high volume of issuance operations

BENEFITS FOR USERS

YOU DECIDE WHO CAN ACCESS
YOUR ID (EXPOSE STORED ID)



YOU DECIDE WHOM
TO PROVE YOUR ID



YOU AUTHENTICATE IN YOUR OWN
PRIVATE ENVIRONMENT





THANK YOU!

CONTACT US:



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