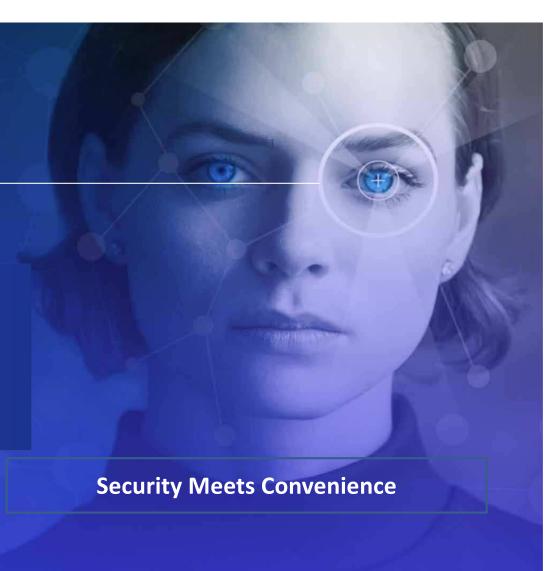


Seeing Eye to Eye with Biometrics

STATE-OF-THE ART
IDENTITY ACCESS AND
MANAGEMENT SOLUTIONS (IAMS)
FOR THE PHYSICAL WORLD

Westin R. Wolfenden – Director of Business Jim DiNapoli – Product Engineer





BACKGROUND

A long and successful history of delivering leading-edge technology

Founded at SRI/ Samsung Ventures

Hold over <u>37 patents</u> across multiple categories including software, hardware, algorithms and applications

Agile USA based product and software development team-17 people

Based in Hamilton, NJ. Subsidiary in Dubai





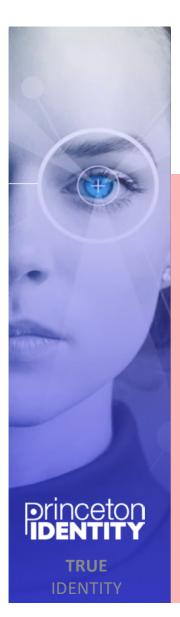








7



EVOLUTION OF IDENTITY VERIFICATION

Princeton Identity Leading the Advancement of Human Identity Methods Identifying humans has become more secure, reliable, and more seamless









PIN / Username / Password

Security Lowest

- Security Card
- swapping
- PIN / Password Sharing Cannot
- truly identify the person

Usability

- Requires entering data or presenting card
- Memorization of PW / PINs
- PW / PIN expirations
- Complicated PW standards Replacing Lost/Stolen cards

Mobile Credentials

Security

- More secure than pins and Passwords.
- Not easily shared. Added security layer beyond cards-location and 2-factor can be enabled

Usability

- Limited device contact Close
- proximity to the reader Contactless 2 step process

Biometrics with mobile phone has increased from 2019 at 27% to in 2022 over 55% of users





Finger / Palm / Face

Security

Probability of failure 1 out of 1,000 Moderately secure

Face recognition 1-4% failure depending on solution Usability

- May require contact
- Difficult to use



Iris

Security

- Most secure
- Probability of failure 1 out of 1.4 Billion

Usability

- Contactless
- On-the-Move
- High speed & capture volume



MARKET OPPORTUNITY

Growth in Global Biometrics



\$82B by 2027 CAGR 20% from 24.1B in 2020

Source: Biometric Market Reports, Biometric update, October 2020

Growth of Identity and Access Management (IAM) Market



\$24.1B by 2025 CAGR 14.4% from 12.3B in 2020

Source: Biometric update, October 2020

Growth of Biometric Devices for Access Control



\$12.8B by 2025CAGR 8.2% from 8.6B in 2020

Source: Findbiometrics, August 24, 2020



Problem / Misconception

Current state of Identity management solutions is flawed

- Added security layers
 - Multiple apps/Cards/Passwords
- Low/No Security
 - Easy to hack/Spoof
- Enrollment Nightmare
 - Cumbersome enrollment process in hybrid environment
- Return on Investment (ROI)
 - Constantly changing technology
 - Easy to Install/implement
 - Integrate with existing ACS



Demand for Automation, Security and Convenience



Why Princeton Identity?

Uniquely Meets Highest level of Security without sacrificing Convenience.....

SPEED



Proven Biometric Security solution

Rapid ON-THE-MOVE authentication; focused on **Privacy compliance**

High Throughput

SECURITY



Single Device for ALL access

Iris and face authentication Mobile credentials

Extremely Accurate*Residence Hall / Badge checking

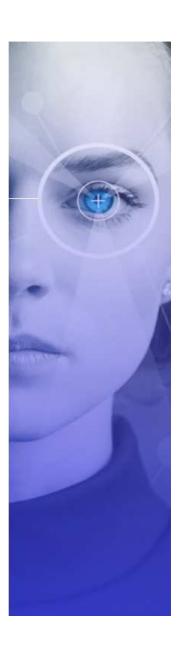
SIMPLICITY



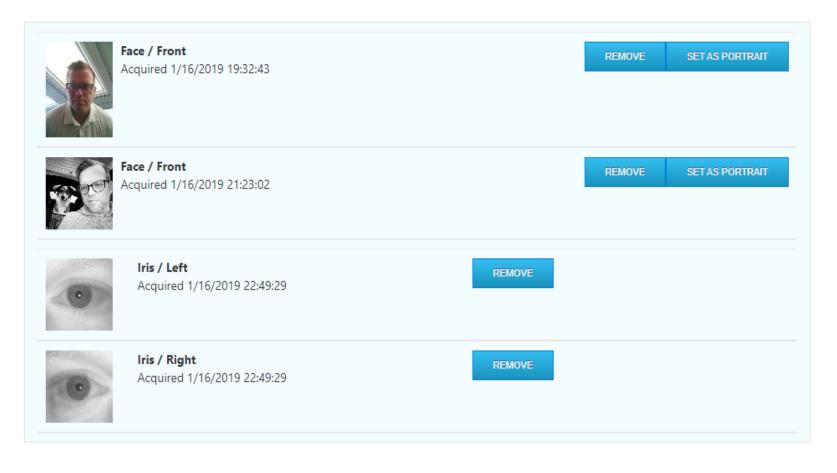
Unique Seam less Enrollment

Users can enroll and verify without assistance

Effortless Enrollment Process

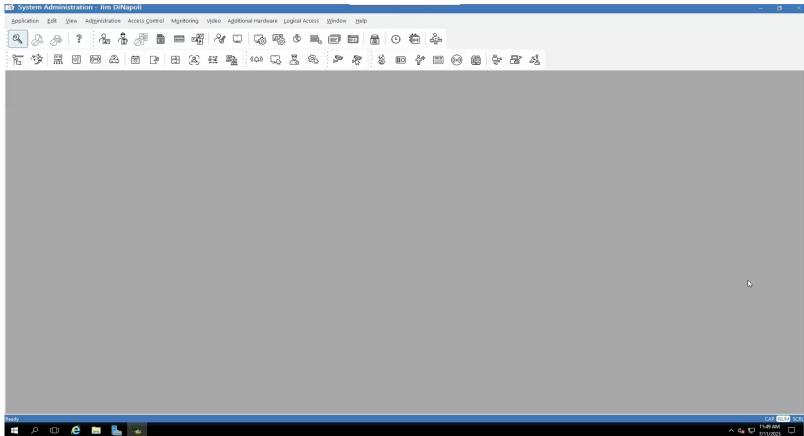


Non-Bias Biometrics

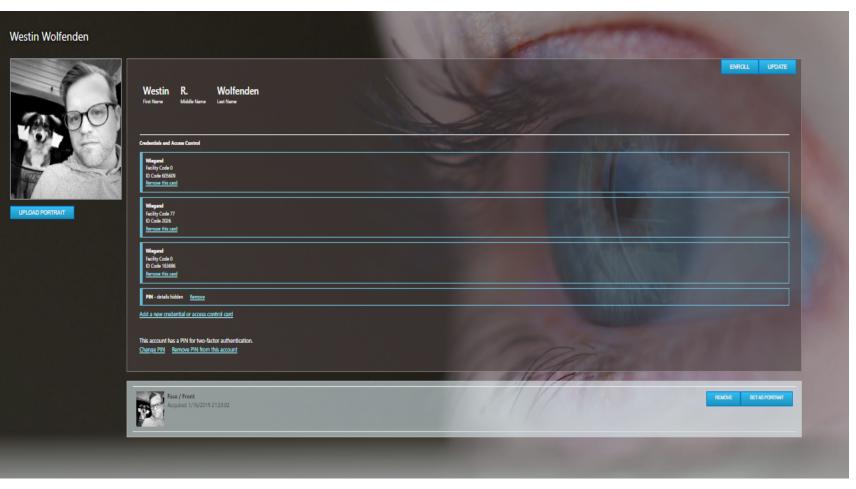




Princeton Identity Sync with Lenel









Automated Seamless Experience

Initiate Enrollment



Download from ACS/POS
Take from Smart Device
Upload CSV File

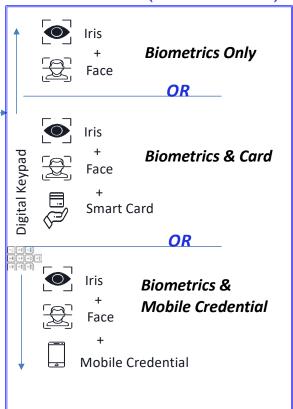
Complete Enrollment



Authenticate Face

Automatically enroll irises

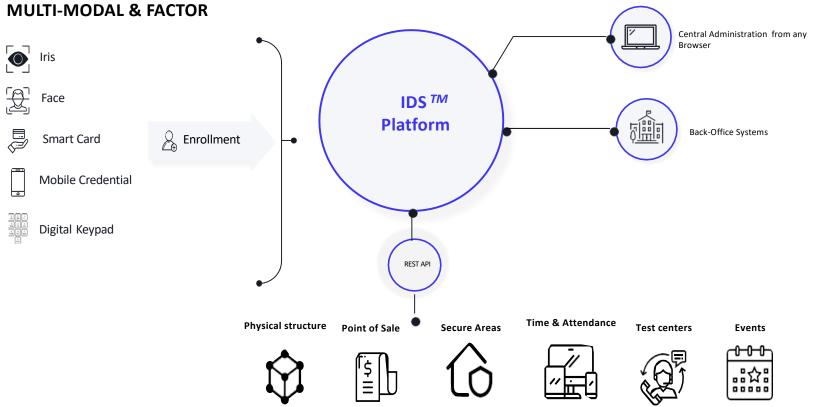
Identification (milliseconds)





HOW IT WORKS - OVERVIEW

Princeton Identity Biometric Solution









BUSINESS MODEL

EMBRACE-ID TM

CAPX/License/Device



- 1. Access 200 Device
- 2. IDS TM Platform
- 3. Iris & Face Algorithms

SaaS/Device



- 1. Access 200 Device
- 2. IDS TM Platform
- 3. Iris & Face Algorithms



Princeton Identity 2024





THANK YOU!

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