ENTERPRISE ACCESS
SOLUTIONS
SERIES

Access Control

Innovative Technology at Work

This hands-free biometric solution authenticates users in under a second by matching the structure of the person's face against their enrolled template.

3D FastPass™ functions by projecting an invisible near-infrared light pattern on a user's face.

A camera then takes a picture of the resulting distortions in the pattern caused by the facial surface. The precise 3-D geometry of the face is calculated, with over 40,000 points. The unique facial features are extracted and stored as a small template. This template is then matched against the original enrolled template stored on the 3D FastPass. Because the 3D camera captures multiple 3D images in real-time, the speed of authentication takes less than one second.

When deployed with turnstiles or mantraps, this ensures that only one employee enters at a time, eliminating tailgating.

3D Face Recognition for Access Control

Keep corporate assets safe and restricted areas secure from unauthorized access while quickly granting entrance to personnel. L-1 3D face reader solutions and the 3D FastPass use three-dimensional face geometry-based algorithms for 3D face recognition.

Strong Authentication
Protect assets with multi-factor authentication using PINs, tokens, proximity cards, smart cards and biometrics. Ensure employees do not exchange access control cards or fail to report them when they go missing.

Secure Premises
Ensure only authorized employees gain access to buildings and restricted areas housing confidential records and financial information.

Reduce Administration and Human Resources
Reduce administrative and human resource costs while quickly providing employees access to restricted areas — it is as simple as a quick glance or a turn of a head. With biometric readers enterprises can potentially reduce the use of security staff at entrances and redeploy these resources to address other security priorities.

Deliver High Throughput
Increase efficiency with a high throughput touchless biometric system that is optimized for high-traffic areas. The 3D FastPass authenticates users in under a second – ideal for high volume shift changes at employee entrances.

Enhance Corporate Image
Companies can enhance the look of their corporate reception areas and secure access points with the sleek, stylish and advanced innovation of the 3D FastPass.

L-1 IDENTITY SOLUTIONS™

BIOSCRYPT
ENTERPRISE ACCESS SOLUTIONS

Helping secure leading organizations in diverse markets worldwide

Casino & Gaming

End-User: Venetian Macao-Resort-Hotel
Deployed: 13 units of the 3D FastPass,
50 units of V-Smart fingerprint readers
Staff Throughput: 12,000 employees

The Venetian Macao-Resort-Hotel, the world's largest casino, uses 3D FastPass to authenticate employees accessing the resort.

Because of the high speed at which the 3D face readers authenticate employees even at peak hours, the Venetian Macao has deployed 13 units of the 3D FastPass in order to authenticate 12,000 employees at the front entrance when a new shift starts.

The casino has avoided illegal and unauthorized workers by using the face reader. The two-way turnstiles allow the same turnstile to be used by workers both entering and exiting a casino site. A contactless smart card calls up a stored biometric template, which is then immediately validated as users pause in front of the face reader. Timekeeping information for the employee is instantly transmitted to a central office. Everyone entering their back office, from employees to outside vendors, is required to use the face readers for access.

In addition to the 3D FastPass at the employee entrance, the Venetian has deployed L-1 Bioscrypt V-Smart fingerprint readers to secure access to restricted areas inside the casino.

Banking & Finance

End-User: Pictet & Cie Banquiers'
Deployed: 110 units of the 3D FastPass
Staff Throughput: 2100 employees

Pictet & Cie Banquiers', one of Switzerland's largest and most prestigious private banks, uses 3D FastPass for personnel access in conjunction with a time and attendance system.

The security system implemented at the bank is unique as it operates without ID cards, keys or PIN technology. The Pictet system use only biometric authentication methods which eliminates the risk of tokens and keys being lost, stolen or misused. This also enhances convenience for the users as they no longer need to carry cards or remember codes.

The overall system architecture and biometric technology conformed to strict European and Swiss regulations on personal data in order to ensure the privacy of every employee.

In addition to enhancing security, 3D face recognition also assists Pictet in improving the administration of time and attendance systems by reducing administrative costs and increasing productivity. Pictet now have the capability to validate employees on a particular site with a credential that cannot be shared or lost — each person's unique facial structure.

Research & Pharmaceutical

End-User: Multinational biopharmaceutical company
Deployed: 10 units of the 3D FastPass
Staff Throughput: >500 employees

A leading multinational integrated biopharmaceutical company uses 3D FastPass to secure access to white rooms. The company deployed 10 units of the 3D FastPass at control points inside its building as well as additional face readers at the main entrances at its new administration and production site.

"With the strong regulations in our business, we have looked at various solutions to secure our new administration and production site ranging from smart cards, PIN codes and fingerprint biometrics but 3D face recognition from Bioscrypt was clearly the best solution in the market to secure a pharmaceutical production site," said the biopharmaceutical's Project Director.

Personnel are not allowed to bring foreign objects into the rooms — making it impossible for them to use badges, smart cards or tokens to gain access. PINs — which can easily be stolen or exchanged — were not secure enough. "3D face provides the high level of security required to secure access to white rooms where drugs are produced. The solution is extremely quick, elegant and above all it does not require a badge."

For more information on L-1 3D face reader solutions and the 3D FastPass, refer to the product datasheet.

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