



BioWave

**Remote Face
Enrollment with
Biowave System**

<https://aranasecurity.com/>

Biowave System

Arana Security was founded in 2013 and is a security solution integrator aimed at improving safety in and around your organization. With our continuous development of state-of-the-art technologies and growing partnerships, we remain up-to-date with products and solutions that provide companies with the highest quality in the security sector. Our goal is to meet the needs of clients and fulfill their requirements by combining know-how, expertise, and technology with excellent quality support and services.

Arana Security specializes in:

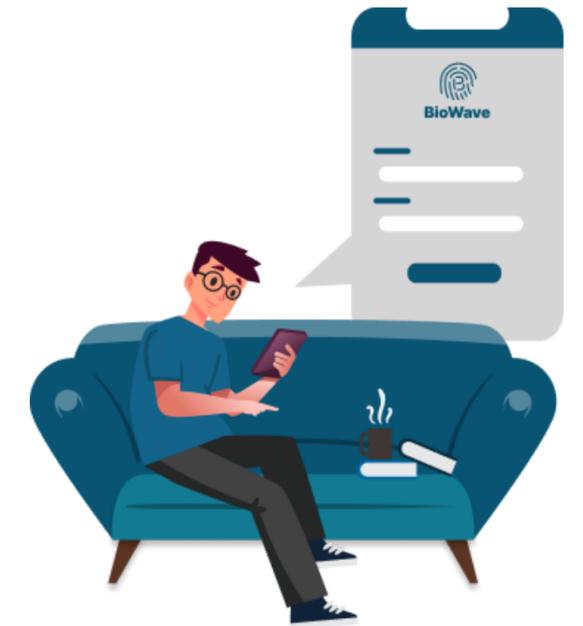
- **Biometric solution**
- **Access Control**
- **Surveillance systems**
- **App Development**



Secure and Seamless Enrolment with Vision Pass: A Step-by-Step Guide:

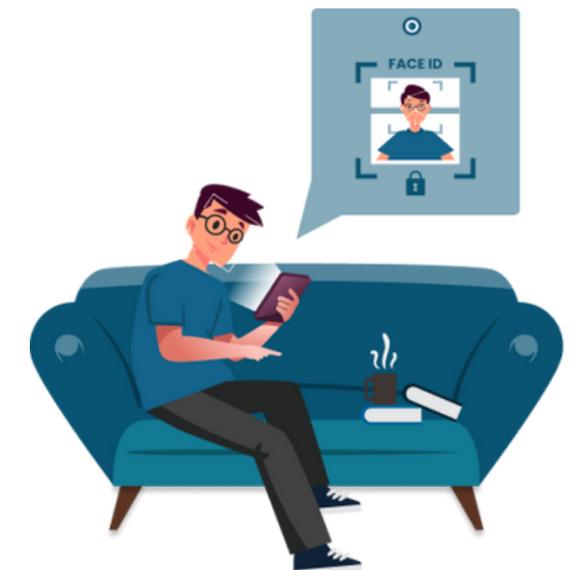
1. Download the Biowave App:

- Users can easily download the BioWave app from the App Store or Google Play.
- The app is designed to be user-friendly and intuitive, guiding users through the enrolment process.



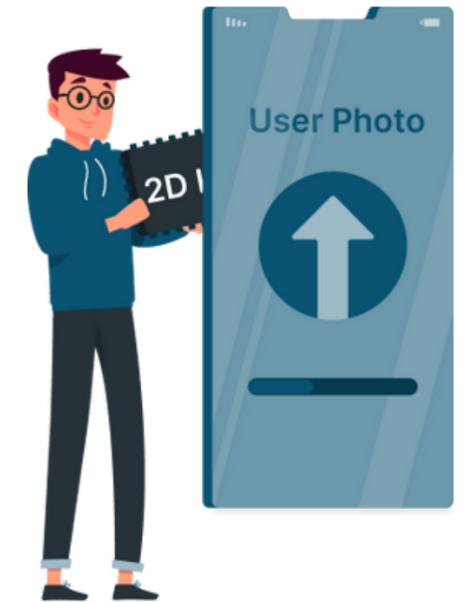
2. Secure Login and User Verification:

- Users will need to create a secure account within the BioWave app.
- This may involve entering login credentials or using multi-factor authentication for added security.



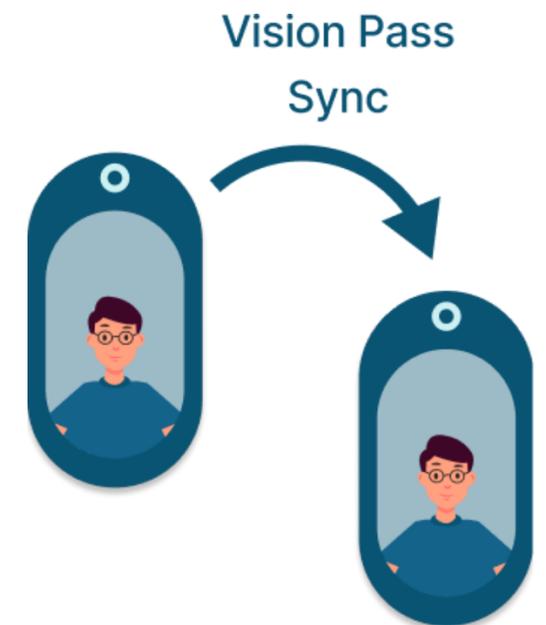
3. Remote 2D Photo Capture:

- Following login, users will be prompted to capture a high-quality 2D photo of their face to be Uploaded.
- The app will provide clear instructions and on-screen guidance to ensure a proper facial image is captured.
- The app may utilize features like liveness detection to confirm the user is physically present and not using a photograph.



4. Secure Photo Transmission and Integration:

- Once captured, the 2D photo is securely transmitted using industry-standard encryption protocols.
- This ensures the user's biometric data remains confidential during transmission.
- The app seamlessly integrates the 2D photo with the designated Vision Pass device within the system.



5. Enhanced Security with 3D Biometrics:

Vision Pass prioritizes the highest level of security by leveraging advanced 3D facial recognition technology. While the initial 2D photo provides a quick and convenient access option, the 3D scan offers an additional layer of protection.

- **Upon First Arrival:**

Upon first arrival, the user is guided through an introduction process with the Vision Pass device, which may include acknowledging a privacy policy or confirming their identity using a PIN or a pre-enrolled verification method.

- **3D Face Capture and Matching:**

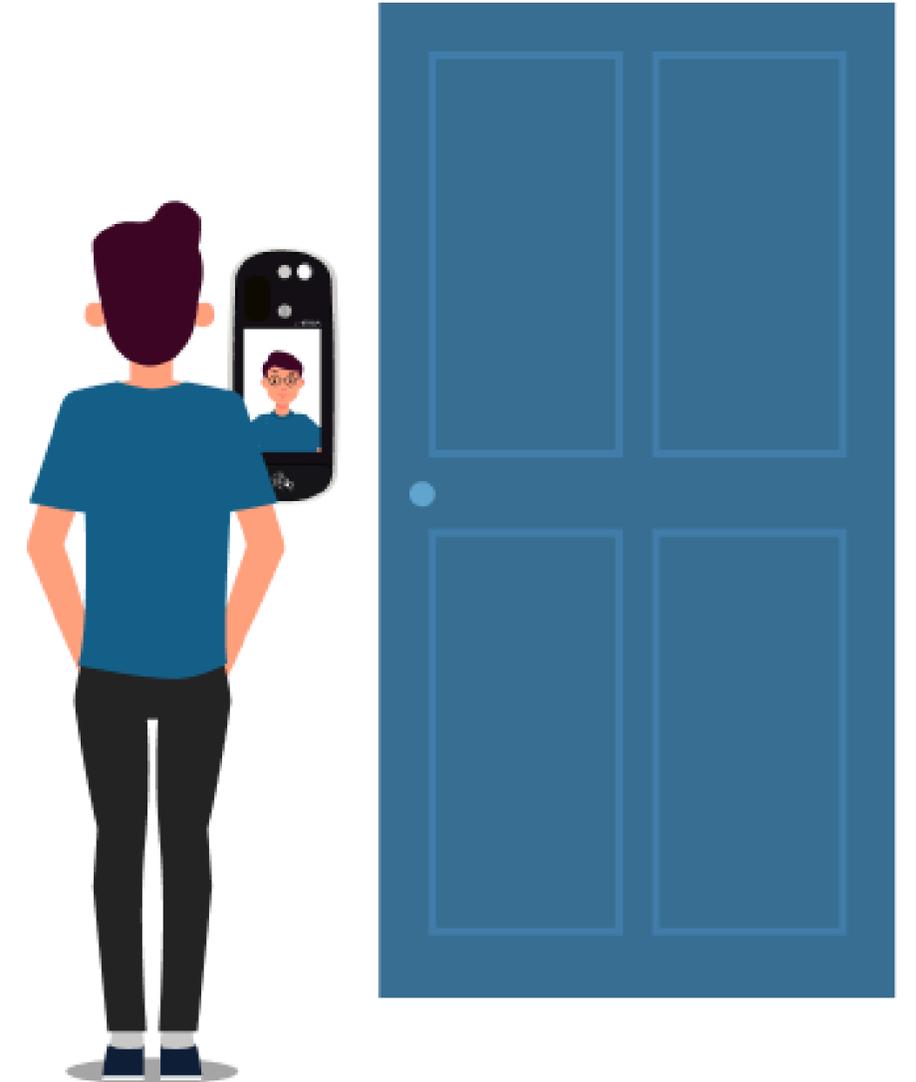
The Vision Pass device initiates a secure 3D facial scan, capturing a detailed image of the user's face, including depth and unique features. This 3D biometric data is then compared to the previously enrolled 2D photo for initial verification.

- **Secure Data Synchronization:**

Once verified, the 3D biometric data is securely encrypted and stored within the Vision Pass device. This data is also synchronized with all other Vision Pass devices in the system, ensuring seamless access across all entry points.

- **User Verification:**

The user's verification is conducted using the 3D picture captured during the facial scan, ensuring a high level of security and accuracy in the identification process.



Benefits



Effortless User Enrolment:

- **Reduced Administrative Burden:** Eliminate the need for IT or security personnel to physically enrol users, saving them valuable time and resources.
- **Streamlined Onboarding:** New hires can enrol remotely during the onboarding process, ensuring immediate access upon arrival.
- **Simplified Tenant Management:** Property managers can easily enrol new tenants remotely, eliminating the need for in-person meetings or key exchanges.



Enhanced Security:

- **Eliminate Lost Credential Risks:** Lost or stolen cards and keys become a non-issue with facial recognition as the access credential.
- **Multi-Factor Authentication Ready:** Integrate Vision Pass with PINs or one-time codes for an additional layer of security.
- **Duress Detection (Optional):** Advanced systems can detect signs of duress during access attempts, raising an alert for security personnel.



Unmatched Convenience:

- **Reduced Wait Times:** No more waiting in line for physical credential issuance or enrolment. Users can enroll on their schedule.
- **Improved User Experience:** Offer a frictionless access experience that users will appreciate.
- **Global Workforce Management:** Seamlessly manage access control for geographically dispersed employees without requiring on-site enrolment.

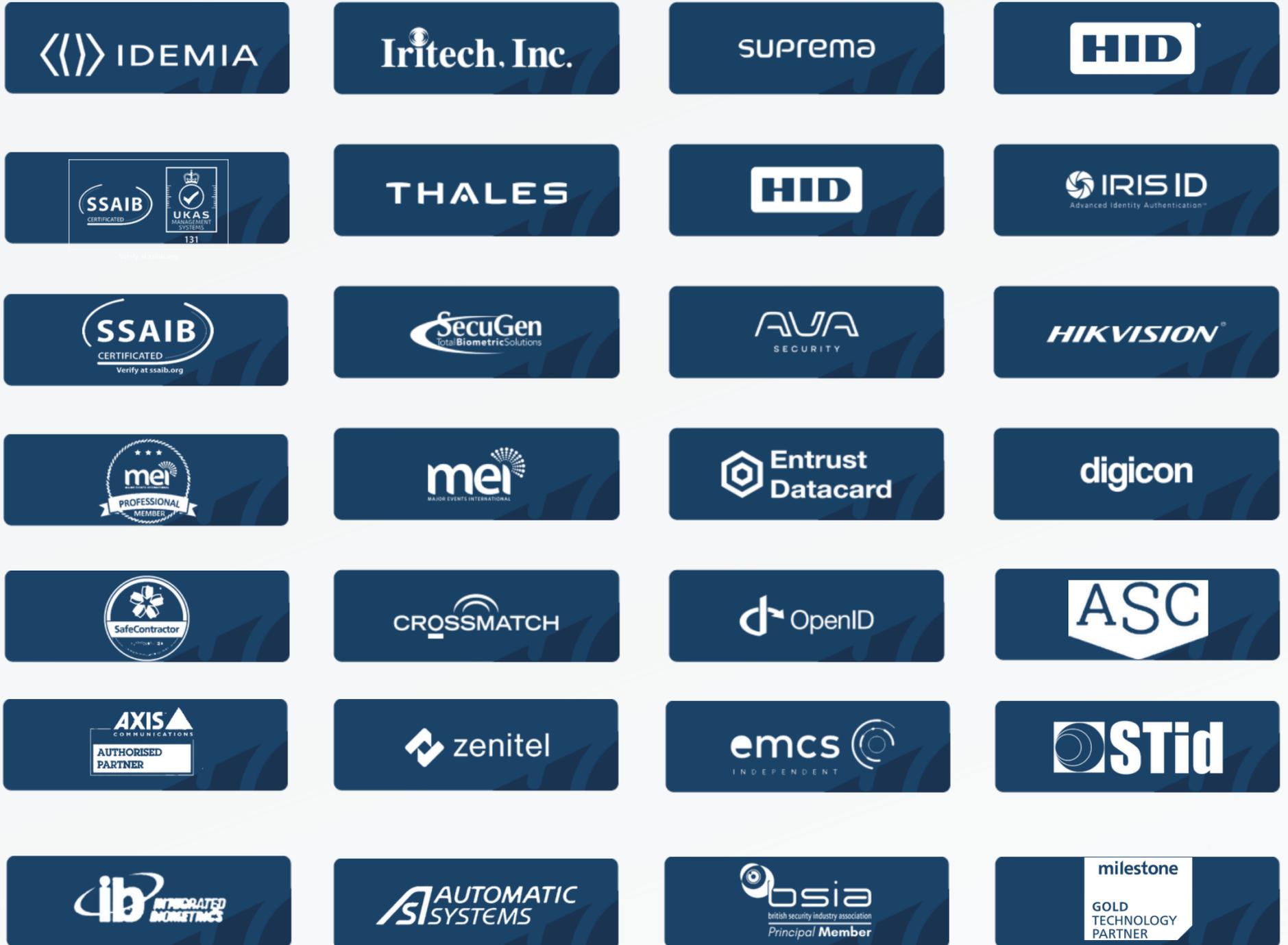


Scalability for Growth:

- **Cost-Effective Expansion:** Remote enrolment eliminates the need for additional physical cards or readers as your organization grows.
- **Flexible Access Management:** Easily grant or revoke access privileges remotely, adapting to changing needs.
- **Future-Proof Technology:** Invest in a secure and scalable access control solution that can adapt to your future requirements.

Our Partners & Certifications

Thanks to our partners' support and collaboration, they help us to enhance and improve our touchless solutions.





BioWave

**Secure Your Access,
Enroll Remotely.**

