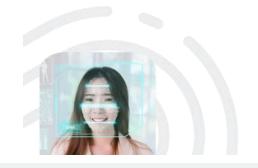# LiveID Biometric Authentication

1Kosmos delivers the highest level of assurance for the identity on the other side of the digital engagement

It's well-known that password-based authentication exposes organizations and individuals to too much risk and inconvenience, and there is no clear path to a passwordless ecosystem. As a result, organizations face increasing attacks in both speed and complexity, most of which target the password. Passwordless biometrics are a big step forward, but not all passwordless biometric authentication methods deliver the same assurance of the user authenticating.

The 1Kosmos LiveID Advantage

LiveID is the cornerstone for how 1Kosmos delivers advanced biometric authentication. Our strong biometric-based identity provides flexible levels of identity assurance and provides a superior passwordless experience. 1Kosmos LiveID is a feature that gives organizations the highest level of assurance for the identity on the other side of digital engagement. LiveID is used for account enrollment and onboarding to ensure that the user is real, human, and not a bot or somebody trying to spoof the identity.

When the selfie is captured 1Kosmos performs a built-in liveness check and can be configured to perform passive or active checks. The selfie captured is compared to the image captured during the document verification step. The selfie must match the captured image, increasing the level of assurance of the user's identity and can be used for biometric authentication.

When enrolling a user, LiveID leverages the front-facing camera on the mobile device (selfie camera), or desktop camera, and records a video of the user. Once LiveID has determined the user is real in front of the camera, LiveID will capture a "selfie" of the user.

For authentication, LiveID will again make sure that the person in front of the device is live, capture a selfie to ensure an identity match, and authenticate the user.

For additional assurance levels, LiveID can be implemented for password resets and account recovery use cases to ensure these types of requests are only performed by legitimate verified users.

Our strong biometric-based identity provides flexible levels of identity assurance and provides a passwordless experience.

1KOSMOS FEATURES AND BENEFITS

→ Advanced biometric authentication eliminates spoofing and verifies users with over 99% accuracy.'

→ User-friendly, a user's selfie is the authentication method

→ Utilize an AAL2 certified authentication method to protect any application, service or data.

→ Perfect for TOFU, desktop or remote desktop login, and virtual machine authentication use cases.

→ Easy integration into IdPs such as AD, Entra ID, Okta, Ping and more.

Reasons to consider

• Certified solution FIDO2 and ISO/IEC 30107-3.

• Compliant to GDPR, KYC, and NIST standards.

• Certified Authenticator Assurance Level 2 method

• Integrate via industry authentication standards: OAuth, OIDC, SAML, FIDO, WS-Fed, WS Trust and RADIUS

The most advanced biometric authentication available eliminates password based attacks and verifies users with high assurance.

LiveID Enrollment
The user will follow a guided process by which they will be asked to perform a liveness verification – blink their eyes, smile, turn their head. At this point, LiveID will take a "selfie" picture for LiveID authentication during access requests. LiveID is compatible with mobile devices with front-facing cameras. 1Kosmos will utilize the true depth functionality available in newer mobile devices when capturing the image to eliminate spoofing by pictures or video.

Liveness Detection
1Kosmos performs a liveness verification via active or passive checks, when capturing the user's picture and gesture and then leverages AI to validate the identity record upon access attempt. The process is certified (by the Kantara Initiative) to NIST Identity Assurance Level 2 and compliant with Identity Assurance 3, as per the NIST 800-63-3 digital identity guidelines.

LiveID Authentication
Using the expressions and a true-depth camera functionality 1Kosmos verifies that a live person is present. Second, a selfie is taken, compared to the selfie taken at enrollment, and access is granted when they match.

LiveID Integration
Fifty out-of-the-box connectors, an open API framework, plus a flexible SDK, enables organizations to standardize authentication across the enterprise with a more flexible framework spanning Entra ID, Active Directory, SSO, PAM platforms and more.

About 1Kosmos