V-OS FACE BIOMETRICS AND EKYC

SPOOF-PROOF ONBOARDING AND IDENTITY VERIFICATION SOLUTION

BENEFITS

- FULLY AUTOMATED EKYC JOURNEY
- SYNCHRONIZES ONBOARDING STATUS ACROSS SYSTEMS
- QUICK SETUP WITH CLOUD-BASED DEPLOYMENT
- GLOBALLY CERTIFIED

ESTABLISHING TRUST

Digital transformation has become a business imperative, pushing companies to create, or improve existing, online solutions. Technology has made online onboarding possible, providing convenience to end-users. But with news of account takeovers and stolen identities aplenty, how can companies be sure of their customers' identities?

A secure end-to-end solution is essential to establish credibility between both the company and customers. Customers can trust the company to keep their personal information safe and the company can accurately verify customers' identities.

The current generation's need of instant gratification adds another requirement for eKYC solutions. How can companies be fast yet accurately and securely onboard customers? Long onboarding processes with multiple steps are bound to be a deterrence for customers.

ABOUT V-KEY

V-Key is an internationally-acclaimed software-based digital security company, headquartered in Singapore. V-Key's pioneering technology powers ultra-high security solutions on premise and Cloud-based, for digital identity management, user authentication and authorization, IoT, as well as electronic payments for major banks, payment gateways, and government agencies. Today, V-Key secures millions of users around the world, enabling digital leaders to create powerful customer experiences that combine high security and delightful convenience.

V-OS FACE BIOMETRICS AND EKYC

A practical software solution aimed to provide secure, fast, and delightful user experiences on mobile devices. It is designed and optimized for mobile devices with a very small facial library footprint, unlike most biometrics solution. Template extraction and matching can be performed simultaneously, together with background uniformity check, image cropping and background removal.

Accurate face detection

Authentication completed in less than 500 milliseconds

Swift template extraction and matching

Built on V-OS VSE, V-Key's V-OS Face Biometrics and eKYC provides military grade protection to any use case. The technology also complies with quality requirements defined by ISO/IEC 19794-standards and ICAO (International Civil Aviation Organization) standards, making it ideal for verification of e-passports, or e-ID cards. Companies are able to select from either Facial Authentication, eKYC or ePassport Verification or all of it to suit business requirements.

PRODUCT FEATURES

INDUSTRY LEADING FACIAL BIOMETRICS AND AI-POWERED OCR; SUPPORTING NATIONAL IDS COVERING COUNTRIES SUCH AS SINGAPORE, THAILAND, MALAYSIA, THE PHILIPPINES, INDONESIA AND MANY MORE

USER FRIENDLY LIVENESS DETECTION

FAST AND CONFIGURABLE 1:1 FACE MATCHING

OPTIONAL OFFLINE FACIAL AUTHENTICATION

ADMIN DASHBOARD FOR MANAGING RECORDS

HIGH SPEED MULTI-THREADING SUPPORT

WORKS ON CLOUD OR ON-PREMISE

WHAT IS V-OS

V-OS is V-Key's patented solution and the world's first virtual secure element to be FIPS 140-2 validated (US NIST), Common Criteria EAL3+ certified and accredited by the Infocomm Media Development Authority of Singapore (IMDA). V-OS uses advanced cryptographic and cybersecurity protections to comply with standards previously reserved only for expensive hardware solutions. Integrated seamlessly with biometrics, PKI-based technology and out-of-band authentication, V-OS makes delightful user experiences possible while being uncompromisingly secure. V-OS has been the subject of multiple rigorous penetration tests. It has also been stress-tested by e-commerce players, government agencies, regulatory bodies and financial services companies.

SPECIFICATIONS

Top performer in the NIST FRVT, our solution allows for a range of options for deploying biometrics authentication and eKYC at the highest levels of security:

PLATFORMS SUPPORTED:

Client OS:
Android 6 to 11 & iOS 11 to 14
Server OS:
Red Hat Enterprise Linux (RHEL), CentOS
Server:
JBoss EAP, WebLogic, Embedded Container (Tomcat)
Database:
MySQL, MariaDB, Oracle, Microsoft SQL Server

• Detects and evaluates face and facial features in real-time
• Detection of head poses, closed eyes, eye gaze, open mouth, etc.
• Brightness, contrast, sharpness, grayscale, uniform lighting/shadow in facial region, etc.
• Background uniformity check and background removal
• FRR 0.6% @ FAR 1%, FRR 1.2% @ FAR 0.1%

SPEAK TO A V-KEY SALES REPRESENTATIVE TODAY. CONTACT INFO@V-KEY.COM

GLOBALPLATFORM®
THE STANDARD FOR MANAGING APPLICATIONS ON SECURE CHIP TECHNOLOGY

FIPS VALIDATED 140-2

Common Criteria

fido ALLIANCE MEMBER

SG:D ACCREDITED

V-KEY
STRONGER WITH V-OS

V-OS VIRTUAL SECURE ELEMENT | V-OS APP PROTECTION | V-OS SMART TOKEN
V-OS FACE BIOMETRICS AND EKYC | V-OS MESSAGING | V-OS TRUSTED IDENTITY SERVICES

◆ info@v-key.com   ◆ www.v-key.com