FINGERPRINTS

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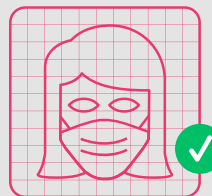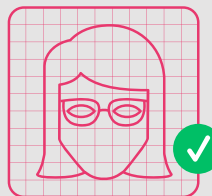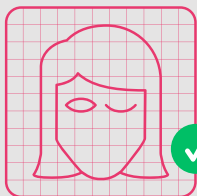# IRIS RECOGNITION SOFTWARE PLATFORM

HIGHLY SECURE AND EASY TO USE IN ANY ENVIRONMENT

INTRODUCING IRIS RECOGNITION TECHNOLOGY

Fingerprints' iris recognition software platform offers a highly secure and easy-to-use authentication and identification technology that works in any environment, with glasses, is mask compliant, and it is handsfree and at a distance from the face that is comfortable for the user. Designed for mass-market consumer devices. Applicable for multiple different applications across access control, automotive, head mounted displays, PCs and mobile devices.

SECURE AND RELIABLE

Fingerprints' iris recognition software platform only require one open eye to authenticate a person even when the person is wearing glasses or a facemask.

CONVIENIENT AND UNIQUE TO YOU

Iris recognition is a proven way to identify and authenticate users while maintaining high levels of security. The iris is unique to each human eye and stable over time thanks to its expressive and inherent structural properties.

Fingerprints' iris recognition software platform offers a highly secure and easy to use authentication and identification technology– for many users and for any environment, in an outdoor or indoor environment. It is handsfree and works with your glasses at a flexible distance.

ADVANCED IRIS RECOGNITION TECHNOLOGY

Fingerprints' Iris recognition software platform utilize advanced pattern recognition techniques to generate mathematical representations, called templates, from the unique iris patterns. It is a video based technology, consisting of sequences of images of the iris. The sequence is combined into an aggregated image used for enrollment and for authentication.

Enroll: Enrollment is required just once, at the point of setting up the application, to use the iris recognition technology. During this process, the irises are scanned and analyzed for unique patterns before being converted into a template. The template is then used for later authentication and can be securely stored on the device in an encrypted, trusted environment. The entire enrollment process is completed in a few seconds.

Authenticate: For authentication the irises are quickly scanned and analyzed for unique patterns to create a template. This template is then compared with the stored template(s) from the enrollment process and when a match exists, the user can be authenticated. The authentication process works for one-to-one and one-to-many user applications, and a specific user will typically be authenticated in less than a second.

Authorize: With an authenticated user and configured user credentials, the authorization process will determine what actions the authenticated user can perform. This could differ between nonauthenticated and authenticated users.

HIGHLIGHTED BENEFITS

- **Security** - the uniqueness of the iris, even among siblings and twins brings the lowest false acceptance rate compared to any other modality, while replication is extremely difficult

- **Versatile** - Works in an indoor and outdoor environment, with or without ambient illumination and also with glasses and facemasks

- **Touchless** - Excellent hygiene properties as no physical contact is needed for enrollment and authentication

- **Convenience** - An enrolled individual will authenticate in less than a second. The low false rejection rate will also ensure an authorized individual will not be falsely rejected

- **Ease of use** - You don't need your hands nor your full face. It only requires a quick glance with one eye at a distance of 0.5m to authenticate

FEATURES

FPC ONELOOK™

READY WHEN YOU ARE
Authenticate with just a quick look. The biometric technology instantly recognizes you.

FPC LOOK'N'ROLL™

READY, STEADY, GO
Ensures you an easy setup and a smooth first-time user experience. You're in control right from the start.

FPC EVOLOOK™

NEVER LETS YOU DOWN
Make your smart application even smarter. Simply enroll your eyes once and it's ready to go wherever you go.

IDEAL FOR FOLLOWING APPLICATIONS

ACCESS CONTROL

AUTOMOTIVE

HEAD MOUNTED DISPLAYS

PCs

MOBILE DEVICES