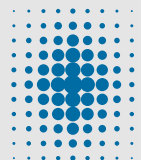FPC ACTIVE IRIS

FOR YOUR EYES ONLY

INTRODUCING TOUCHLESS TECHNOLOGY

FPC ActiveIRIS® is the first iris recognition technology for mass-market consumer devices. It is a touchless platform adding the possibility of having more than one biometric modality for convenient user authentication and identification on any device.

SECURE AND RELIABLE

The iris is well accepted in the biometric community to identify and authenticate people. FPC ActiveIRIS combines advanced iris recognition software with simple, inexpensive and easy to integrate hardware. The typical use case is a quick and reliable touchless authentication on mobile devices.

FINGERPRINTS

UNIQUE TO YOU

Iris is the thin circular structure around the pupil in the eye. It controls the size of the pupil and hence the amount of light that gets into the retina of the eye. The iris is unique to each person and has a different color and structure. Just like fingerprints, iris is a biometric modality to uniquely identify and authenticate a person.

ADVANCED RECOGNITION TECHNOLOGY

FPC ActiveIRIS uses advanced pattern recognition techniques to create mathematical representations, called templates, out of the unique random patterns of the iris.

Enrollment is done once, when user sets up the device to use iris recognition feature. At this time the iris of both eyes are scanned to create a template. The template is securely stored on the device in an encrypted, trusted environment.

After enrollment whenever the user switches on the iris system, the iris of both eyes are quickly scanned and compared with the stored template to authenticate the user.

BENEFITS

- **Fastest in the industry** - Recognizes user in less than 150 ms

- **Easy-to-use** - Recognize user, with or without glasses, anywhere in 20 cm - 50 cm comfortable distance from the device

- **Smart & Reliable** - Matches out-of-focus, misaligned, occluded eyes, images with motion-blur, pupil dilation

- **Outdoor & Indoor** - Works across lighting conditions and with ambient reflections

- **Extreme security** - As low as 1 in 10 million false acceptance rate. Hard to spoof. Implemented in ARM TrustZone® and Intel TXT

- **Simple** – FPC ActiveIRIS system is based on simple off-the-shelf hardware available from multiple vendors

- **Citizen Authentication** – FPC ActiveIRIS is certified for use with Aadhaar, the largest biometric system in the world

FEATURES

FPC ONELOOK™

READY WHEN YOU ARE
Open your smartphone or tablet 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 device even smarter. Simply enroll your eyes once and it's ready to go wherever you go.

FPC SAFELOOK™

BE SAFE EVERYWHERE
Anti-spoofing has never been better. The touchless technology brings you an even higher level of security, far beyond PIN codes and passwords.