# COMBINING THE CONVIENCE OF FACE WITH THE SECURITY OF IRIS
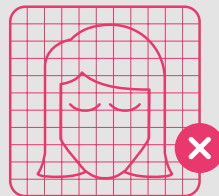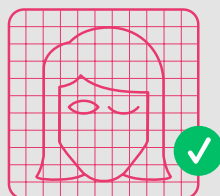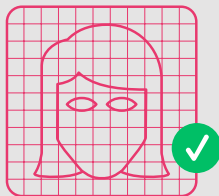
TOUCHLESS 2.0

## INTRODUCING TOUCHLESS TECHNOLOGY

Fingerprints' Touchless 2.0 is the world's first solution that combines iris and face recognition technology designed for mass-market consumer devices. Beneficial for multiple use cases including mobile devices, payments, automotive and access control, it strikes the perfect balance between security, convenience and cost.

## SECURE AND RELIABLE

Our solution requires at least one eye to be open in order to avoid unwanted authentication while sleeping etc.



## CONVIENIENT AND UNIQUE TO YOU

Iris 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. Face recognition has featured on multiple Android devices since its launched in late 2011. It comes with a relatively low implementation cost, as it utilizes standard cameras already on the device. While recent 3D face technology has improved on the reliability of 2D technology, it has come at a considerably higher cost. Combining 2D face and iris in one solution therefore offers the optimal way to balance security, convenience and cost.

# ADVANCED RECOGNITION TECHNOLOGY

Fingerprints' Touchless 2.0 solution utilizes advanced pattern recognition techniques to generate mathematical representations – called templates – from the combined unique iris and face patterns.

Enrollment is required just once, at the point of setting up the device, to use the touchless biometric recognition feature. During this process, both the face and irises are scanned to create a template, which is securely stored on the device in an encrypted, trusted environment.

Then, when the user next switches on the touchless system, the face and irises are quickly scanned and compared with the stored template to authenticate the user by confirming an identity match.

## BENEFITS

- **Affordable** - easy to integrate using off-the-shelf hardware components
  Infrared LED
  Camera (IR filtered)

- **Easy-to-use** - works without visual feedback (no guide that face and eyes need to be placed within)

- **Smart & Reliable** - recognizes user, indoors and outdoors, with or without glasses, with one or two eyes (but not with eyes closed!), and a up to 50 cm distance.

- **Effortless** - simply look at the device to promptly authenticate

- **Extreme security** - 1:1,000,000 false acceptance rate (also valid across family members)

- **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 device or application with just a quick look. The biometric technology recognizes you in an instance. With this feature your favorite device is always ready for you, no fuss and no time wasted. One look and you're on.

**FPC EVOLOOK™**

**NEVER LETS YOU DOWN**
Make your smart device even smarter. Simply enroll your face and eyes once and it's ready to go wherever you go. A self-learning and intelligent feature that adapts to changing conditions. Every time you give it a look, it learns something new about your looks and evolves with you. Minimizing the risk of letting you down when you need it the most.

**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. With a quick look you can enroll and can start using the touchless technology to unlock and verify yourself on your device. Getting started has never been easier.

## IDEAL FOR FOLLOWING APPLICATIONS

MOBILE DEVICES          ACCESS CONTROL          AUTOMOTIVE