The Ultimate Multi-Modal-Mobile Biometric Platform

**Trident™** is the ultimate combination of face, finger and iris biometrics on a mobile platform. For the first time, binocular-type capture has been made available on a mobile platform, making simultaneous dual iris capture quick and easy. Complementing the state-of-the-art iris capture is the industry leading FAP 45 fingerprint sensor, capable of both rolled fingerprint and dual-fingerprint capture. In addition, a high resolution, auto-focus face camera produces extremely high quality images, making **Trident™** THE premier multi-modal, mobile device in the market.

**Trident™** brings together all of these features with a powerful QUALCOMM snapdragon mobile chipset running the Android 4.1 operating system. Designed to support multiple intensive applications concurrently, **Trident™** can empower a diverse group of agencies to build and deploy multiple targeted applications for their desired objectives, work-flows and environments.
Trident™ is a completely integrated multi-modal mobile biometrics device that combines the world's smallest and fastest FAP 45 fingerprint scanner, the world's first binocular-type iris capture on a mobile device and a stunning five MP auto-focus camera with flash. Trident™ runs on the latest Android 4.1.2 OS, widely deployed and proven mobile operating system.

The mobile chipset boasts a Qualcomm Snapdragon Quad-core 1.7GHz Cortex-A9 ARM processor and an integrated 4-in-1 connectivity combo that is capable of 3G cellular, 802.11n Wi-Fi, Bluetooth 4.0 and GPS communications.

The elegant and ergonomic design enables virtually limitless applications for diverse end-users needs and the truly open platform enables developers to build their own customized applications that can even integrate with legacy environments.

One Platform. Many Applications
- Law enforcement, border control and internal policing
- Government benefits delivery programs, such as unemployment claims, subsidy for poor and marginalized, natural disasters, first responders, voter ID etc.
- Medical services (hospitals, medications, etc.) and insurance processing & claims
- Commercial transactions

Trident™ is designed from ground up with a thoughtful understanding of user requirements. Modern design features, similar to your mobile phone, appeal to both novice and experienced users. The large touch screen, forward-facing fingerprint and binocular style iris capture encourages natural and intuitive interaction with Trident™ and the side panel shape and texture creates a secure grip in your hand.
## Functionality

**High Performance System Processor: Snapdragon S4 Pro**

*Quad-Core 1.7GHz ARM-A9*

Quad core application processor boosts application performance up to 80% compared to single-core, making demanding applications responsive & intuitive.

## Technology

**OPEN Operating System and Multi-Application Architecture**

- **OS:** Android OS 4.1.2
- **SDK:** Java SDK for biometric functionality
- **Algorithm:** agnostic platform for onboard quality and matching

Android's open source development platform reduces risk, obsolescence and application development is exponentially accelerated because basic features are built into the OS.

## Customer Benefit

**10,000 mAH Li-Ion battery**

Full Day Battery Life

**IP 54 and RoHS Compliant**

Rugged Design Form Factor and Interface: Micro USB OTG

**Dimensions:** 104” x 66” x 35”

**Easy to Expand Interface:** Micro USB OTG

**Integrated Camera**

**Type:** Simultaneous Dual Eye

**Inter-pupillary distance:** 40-90mm

**Focus depth of field:** 20 mm

**Lighting:** Single, dual or roll fingerprint application.

**Non-optical (LES) technology based FAP 45 sensor** offers high quality imaging in dirty environments and direct sunlight. It can be used for both enrollment and verification in single, dual or roll fingerprint application.

## Environmental

**Operating conditions:**

- **Temperature:** 0°C to 50°C
- **Humidity:** 10% < RH < 90%
- **Water Proofing:** designed for IP64 performance. Critical components like fingerprint sensor and iris camera are enclosed in IP64 rating.

A wide range of operational conditions allows Trident to be deployed all over the world. The ingress protection (IP) rating ensures that the Trident can weather any conditions.

## Ergonomics

**Dimensions:** 10.4” x 6.6” x 3.5”

**Weight:** 2.75 lbs

**IP 54 and RoHS Compliant**

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A Revolution in Mobile Biometric Transactions

The Global National eID Industry Report indicates that by 2015, the number of countries issuing e-Identities will exceed those issuing traditional IDs by more than 4 to 1. As National e-ID programs around the world continue to grow, the role biometrics plays is changing to become the enabler for public safety and entitlement programs such as internal policing, border control and criminal investigation. Biometrics not only offers robust & secure identity and verification to the governing agency but also secures and eases the everyday transactions of residents.

As the use of biometrics is evolving, legacy identity management products have not kept pace with the times. Today, most mobile biometrics products are far behind in design and technology to the consumer mobile products like mobile phones and tablets. This results in poor user experience and in turn low adoption.

Trident™ is based on the premise that in order to bring wide-scale adoption of biometrics to everyday transactions, it is essential that the user experience is similar to the latest consumer electronic devices, such as smartphones and tablets. Mobile technology advances have changed the way people interact and relate to these devices. By aligning the experience of biometrics devices with the user friendly and intuitive experience of a modern mobile devices and applications, one can ensure that the technology will be widely used and benefits are achieved.

Trident™ is designed & engineered in California, USA.