PRECISE BIOMATCH™ MOBILE

FINGERPRINT ALGORITHM FOR SMARTPHONES & TABLETS

PRECISE BIOMATCH MOBILE

In order to protect our mobile devices, Precise Biometrics offers acknowledged fingerprint verification technology for smartphones & tablets.

Precise BioMatch Mobile is optimized for small sensors in mobile environments and is available for Android and other operating systems. The algorithm has achieved excellent results in NIST Ongoing MINEX and MINEX II.

PROVEN

Proven fingerprint recognition algorithm supplied to more than 100 millions users.

OPTIMIZED

Optimized for small sensors in mobile environments through a unique hybrid algorithm.

INTEGRATION

Designed for Android, and is also available for other mobile operating systems. A modular design gives customers the ability to optimize and select functionality depending on implementation requirements.

STRONG IP PORTFOLIO

77 approved patents
18 product families
15 patent applications

Small sensor patent
EP 1150 608 BI

SUPPORT

We provide support for integration, architecture & design, optimization, validation, UX and app development.

INDEPENDENT

Precise BioMatch Mobile works with any sensor type and can be further optimized for specific sensors.

PRECISE™ BIOMETRICS

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SPECIFICATIONS

Precise BioMatch™ Mobile includes:

- Fully implemented enrollment and verification controllers
- Modules for standardized functionality such as quality assessment, extraction, matching and anti-latent
- Sample code for non-standardized functionality such as sensor interaction
- Multiple template support for enrollment on small sensors
- Dynamic update of template after enrollment
- Additional or alternative modules delivered upon request
- Support for NEON and SIMD instructions where available

The product is based on Precise Biometrics' standardized extractor and matcher technology (ISO 19794-2) which has achieved excellent results in Ongoing MINEX and MINEX II.

TECHNICAL SPECIFICATIONS

The technical specifications will depend on selections made by the customer included functionality and sensor size. The delivery can be adapted to suit the specific platform.

Memory

- Template size 300-500 bytes (hybrid template)
- Matching 5-15 KB RAM (Depending on template type, number of templates, sensor type, etc.)
- Extraction 0.2-1 MB RAM (Depending on image size)

Performance

- Image extraction in less than 30 ms*
- Matching time with a ten segment multi template in less than 12 ms*

*Using the following equipment: Google Nexus 7 (2013), hybrid templates, FPC 1150 sensor

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