

CAMA-CM01

Optical Fingerprint Module

- ✓ FBI PIV FAP20 Fingerprint Specification
- ✓ ISO/IEC 19794-2 and ANSI/INCITS 378 Template
- ✓ ISO/IEC 19794-4 and ANSI/INCITS 381 Image
- ✓ Support 1:1 and 1:N fingerprint verification
- ✓ Support Java SDK



CAMA-CM01 is latest compact optical fingerprint module developed by CAMABIO. It is Special designed for biometric recognition device like biometric mobile device, POS terminal, biometric voter, SIM card registration fingerprint scanner, bank biometric authentication devices, etc.

Product Features

- **Product Features**

PIV specification, Mobile ID FAP20

- **Java SDK Supported**

Develop your own software based on it

- **International Standard Supported**

ISO19794-2, ISO19794-4, ANSI 378, ANSI 381 and WSQ supported

- **STQC Compliance**

UIDAI Level-0 Specification

- **Both UART and USB Interface**

It is easy for integration

- **1:1 and 1:N fingerprint verification**

It can suit for more applications and no need extra fingerprint algorithm

Applications

- ✓ Biometric Mobile Devices
- ✓ Biometric Vote Device
- ✓ POS terminals
- ✓ Fingerprint Scanner for Telecommunication

Technical Specifications

PARAMETER	DESCRIPTION
FRR	False Rejection Rate <0.1%
FAR	False Acceptance Rate< 0.001%
Matching time	Average Time in Case of 1:100,000 Matching < 1s
Pixel Matrix	256 Pixel x 360 Pixel
Template Size	1024 Bytes
Sensor Area	19mm x 21mm
Module Size	54.2mm x 42.78mm x 18mm
Image Resolution	500 DPI
Match Mode	1:1 and 1: N fingerprint verification
Gray Scale/ Image Type	8-bit, 256 Level
Power Supply	UART: 3.3V; USB: 5V
Interface	UART and USB
Working Temperature	-20 to 60°C
Working Humidity	10-90%
SDK supported	Java SDK
Waterproof	Scan Area waterproof supported
Support International Standard	ANSI_FMR (ANSI/INCITS 378 - 2004) ANSI_FIR (ANSI/INCITS 381 - 2004) ISO_FMR (ISO/IEC 19794 – 2 : 2005) ISO_FIR (ISO/IEC 19794 – 4 : 2005) WSQ(Wavelet Scalar Quantization) NFIQ(NIST Fingerprint Image Quality)

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