

CAMABIO[®]



CAMA-SM27 Fingerprint Biometric Module

CAMA-SM27 is the latest fingerprint biometric module developed by CAMABIO. It is special designed for high end biometric security solutions like citizen fingerprint identity system, voter identity verification system, custom authentication solution, mobile biometric device, POS terminals, etc.

Powered by world best, multi-award winning CAMA fingerprint algorithm, CAMA-SM27 fingerprint biometric module offers powerful authentication performance

Features:

- **Optical fingerprint collector (256 x 360 pixels)**
- **Infrared optics dark background collecting, anti-interference effect**
- **Avoid residual fingerprint be verified**
- **Image Resolution:500dpi**
- **USB interface. Compatible with USB 1.0, 1.1 and 2.0 (Full Speed)**
- **Support Windows, Android**

Supported International Standard:

- ISO_FMR (ISO/IEC 19794 – 2 : 2005)
- ISO_FIR (ISO/IEC 19794 – 4 : 2005)
- WSQ(Wavelet Scalar Quantization)
- NFIQ(NIST Fingerprint Image Quality)

Specification

Characteristics	VALUE
Sensor Type	Optical
Capture Mode	Plain live scan capture
Image Evaluation Frame Rate	> 3 frames/sec, continuous image capture
Pixel Matrix	256x360 pixels
Resolution	500 dpi
Grey Scale / Image Type	8bit, 256 levels
Effective Capture Area	13mm x 18.3mm
Scan Capture Area(W x H)	18 x 22 mm
Interface	USB1.0/USB1.1/USB 2.0, Full Speed
False Rejection Rate	< 0.1 %
False Assessment Rate	< 0.001 %
Power	Through USB:5V±5%
Dimension(W x H x D)	42 x 54 x 21 mm
Weight	< 55 g
Operating Temperature	-20 to 60°C
Storage Temperature	-40 to 85°C
Operating Humidity	10-90%
Storage Humidity	10-90%
Durability	IP65 (Scan area)
Operating System	Windows, Android