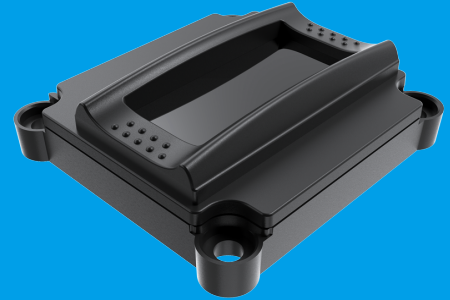


## CAMA-FVM2283

### Finger Vein Recognition Module

- ✓ 50 Finger Vein User Capacity
- ✓ 8.25mm Super Slim Thickness
- ✓ Auto-Learning Function
- ✓ Support 1:1 and 1:N verification
- ✓ USB and UART Communication



CAMA-FVM2283 is a super slim embedded finger vein module developed by CAMA Biometrics. It integrated optical sensor,MCU,finger vein recognition algorithm,flash memory all together. It is an ideal finger vein OEM module for biometric security developer and manufacturers.

### Product Features

- **50 Finger Vein Capacity**  
50 finger vein template can be stored
- **8.25mm Super Slim Thickness**  
It can makes your product more slim
- **Auto-Learning Funcion**  
Improve finger vein Feature automatically
- **Touch Sensing Activation Function**  
Module will be actived when finger close
- **Both USB and Uart Interface**  
5V USB and 3.3V TTL uart interface
- **1:1 and 1: N verification**  
Support both 1:1 and 1:N mode

### Applications

- ✓ Biometric Access Control
- ✓ Biometric Car Starter
- ✓ Biometric Door Lock
- ✓ Biometric Safe Box Locker

# Technical Specifications

PARAMETER	DESCRIPTION
Sensor Type	CMOS Sensor+ Infrared sensor
Product Size	39.5mm x 36.5mm x 8.25mm
MCU Parameters	192MHZ 32 bit ARM Cortex-M4F Processor
Auto-Learning Function	Support
Fingerprint Template	1K Bytes
Communication Interface	UART (3.3V TTL); USB Interface
FRR	<0.01% (Highest Security Level)
FAR	<0.001% (Highest Security Level)
Identification Speed	1:1<0.5s 1:N<1s
Fingerprint User Capacity	50 Finger Vein Templates
Waterproof Level	IP56
Current Parameter	Work Current<200mA Sleep Mode Current< 5 $\mu$ A
Power Supply	DC 3.3V $\pm$ 3%
Work Temperature	-20°C- 60°C
Work Humidity	20%-80%
Security Level	Normal, High and Highest Three Level
Communication Parameters	Parity = NONE, One Stop Bit = 1 Flow Control = NONE BaudRate:9600, 19200, 38400, 57600, 115200 (bps) Default: 57600bps

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