

# BioMini Plus 2

## USB Fingerprint Authentication Scanner

- FBI PIV/Mobile ID & STQC certified
- Multi Dynamic Range (MDR) Technology
- Mobile Authentication with Android Support
- Live Fingerprint Detection (LFD) Technology



**| BioMini Plus 2 |** Suprema BioMini Plus 2 has been designed to provide a high level security solution with its proven reliability of FBI-PIV & STQC certifications. BioMini Plus 2 features the industry's most advanced MDR (multi dynamic range) technology to capture exceptional image quality even under extreme lighting conditions (operates under direct sunlight up to 100,000 LUX). The scanner also features cutting edge live fingerprint detection (LFD) technology for improved security against spoofing, and the latest version of the multi award-winning Suprema algorithm for better performance. Combined with ergonomic design, high speed USB 2.0 interface and comprehensive SDK solution, BioMini Plus 2 offers a superb biometric authentication solution for both public and commercial applications.



# BioMini Plus 2

## USB Fingerprint Authentication Scanner



Front View



Side View



SFU550 (OEM Version) OPV Sensor

### BioMini Plus 2 Features



• **FBI PIV/FIPS 201 Certification**

- FBI PIV/FIPS 201 certification ensures that BioMini Plus 2 scanners are in compliance with FBI's next generation identification system image quality specification.

• **FBI Mobile ID FAP 10 Certification**

- FBI Mobile ID certification guarantees reliable operation of BioMini Plus 2 scanners in mobile environments, based upon specified capture dimensions (FAP 10)



• **STQC Certification by UIDAI**

- STQC certification is to ensure the BioMini Plus 2 scanner fully complies with standards, specifications and quality measures released by UIDAI for UID (AADHAAR) based e-KYC (Know Your Customer) applications.



• **Multi Dynamic Range (MDR) Technology**

- Operates under direct sunlight up to 100,000 LUX



• **Live Fingerprint Detection (LFD) Technology**

- Distinguishes fake fingerprints made from various materials including clay, rubber, silicon, glue, paper, film and more



• **New Improved Optical Sensor**

- 500dpi optical fingerprint sensor  
- Scratch proof IP65 sensor surface



• **World's best performing fingerprint algorithm**

- Fast matching speed : 100,000 match/second (w/ Intel Core2Duo)



• **USB Interface**

- High-speed USB 2.0

• **Supports multiple device handling**



• **Easy Integration**

- BioMini SDK for easy application development

- Supports Windows/Linux/Android

- Supports multiple programming language: VC++, VB, VB.NET, C#, Java

- Multi-threaded code design for multi-core CPU utilization

### Specifications

Main	Sensor Type	Optical
	Resolution	500dpi / 256 gray
	Platen Area	16.0mmx19.0mm (0.63"x0.75")
	Sensing Area	16.0mmx18.0mm (0.63"x0.71")
	Image Size	315 x 354 pixels
	Compression Standards	WSQ
	Template Format	Suprema, ISO19794-2, ANSI-378
	Image Format	RAW, BMP, WSQ, ISO 19794-4
	Image Certificate	FBI PIV/FIPS 201, FBI Mobile ID FAP10, STQC
	Live Fingerprint Detection	Supported
Latent Detection	Supported	
IP65	Supported (Sensor Surface), Scratch free	
Interface	USB	2.0 High-speed
Hardware	Operating Temp./Humidity	-10°C ~ 50°C / 0~90%
	Certification	CE, FCC, KC, RoHS, USB-IF, CB, IEC62471, WEEE, WHQL
	Dimensions	BioMini Plus 2 : 66 x 90 x 58 mm (W x L x H) SFU550 (OPV) : 20.5 x 25 x 55.5 mm (W x L x H)
Compatibility	Operating System	Windows/Linux (32/64bit) / Android 4.1 & above

