BM-Slim3

Ultra-slim FAP30 Authentication Scanner Module

BM-Slim3 is FAP30 certified fingerprint scanner featuring an array of cutting-edge technologies. Along with its 15.0mm slim optical sensor, BM-Slim3 features Suprema's proprietary Multi-dynamic Range (MDR) technology, FBI PIV/Mobile ID FAP30 compliance and Android device support. BM-Slim3 also provides developers more physical flexibility with its reduced form factor and the ultra-slim optical sensor ensures robust operation over time. BM-Slim3 provides new and advanced Live Finger Detection (LFD)technology by applying a machine learning method based AI(Artificial Intelligence) as an World-class Trained Inspector which can be upgradeable by BioMini SDK.

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FEATURES

· World's thinnest FAP30 optical fingerprint scanner

· FBI PIV and FBI Mobile ID FAP30 certificates
· Image compression standard: WSQ

· Capturing high-quality fingerprint images even when the finger is dry & wet.
· 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

· Easy Integration
  - BioMini SDK for easy application development
  - Android, MS Windows & Linux compatible
  - Multi-threaded code design for multi-core CPU utilization

SPECIFICATIONS

Sensor	Image Quality Standards	FBI PIV / FBI Mobile ID FAP30 compliant
	Sensor Type	Optical
	Resolution	500 ppi
	Gray Scale	256 level
	Platen Size	21.5 x 26.5 (W x L mm)
	Sensing Area	20.32 x 25.4 (W x H mm)
	Image Size	400 x 500 (W x H pixels)
H/W	Interface	USB 2.0 High Speed
	Operating Temperature	-10~50°C
	Operating humidity	10 ~ 90% RH
	Ingress Protection	IP65 (Sensor Surface)
	Dimensions (W x L x H mm)	67.5 x 36 x 15
	Weight	48.6g
S/W	Windows	Windows 7 or higher (32/64bit)
	Linux	Linux Kernel 3.x or higher
	Android	Android 4.1 or higher (USB Host)
	Image Format	RAW, BMP, WSQ, ISO 19794-4
	Template Type	Suprema, ISO19794-2, ANSI-378
	LFD	O
Certification	CE, FCC, KC, RoHS, CB, IEC62471, WEEE, REACH, WHQL	