

BM-Slim2

Ultra-slim FAP20 Authentication Scanner Module



BM-Slim2 is FAP20 certified fingerprint scanner featuring an array of cutting-edge technologies. Along with its 13.5mm slim optical sensor, BM-Slim2 features Xperix's proprietary Multi-dynamic Range(MDR) technology, FBI PIV/Mobile ID FAP20 compliance and Android device support. BM-Slim2 also provides developers more physical flexibility with its reduced form factor and the ultra-slim optical sensor ensures robust operation over time. BM-Slim2 provides advanced artificial Intelligence-based Live Finger Detection technology which is compliant with ISO 30107-3 PAD Level 1 & 2 Standard. Applying LFD technology, BM-Slim2 distinguishes fake fingerprints made from various materials including clay, rubber, silicon, glue, paper, film, and more.



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FEATURES



- World's thinnest 13.5 mm FAP20 certified optical fingerprint scanner



- FBI PIV and FBI Mobile ID FAP20 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
 - ISO 30107-3 Compliant (PAD Level 1 & 2)
 - 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



- No need to type in a password
- Instant login by touching your finger

SPECIFICATIONS

Sensor	Image Quality Standards	FBI PIV / FBI Mobile ID FAP20
	Live Finger Detection	O
	Sensor Type	Optical
	Resolution	500 ppi
	Gray Scale	8-bit, 256 levels
	Platen Size (W x L)	16.5 mm x 21.0 mm
	Sensing Area (W x H)	15.2 mm x 20.3 mm
H/W	Image Size (W x H)	300 x 400 pixels
	Interface	USB 2.0 High Speed
	Operating Temperature	From -10°C to 55°C
	Operating humidity	0% to 90%, non-condensing
	Dimensions (W x L x H)	59 mm x 32 mm x 13.5 mm
S/W	Windows	Windows 10 or higher 32/64bit
	Linux	Ubuntu, Debian, Fedora, OpenSUSE, Cent OS 32/64bit
	Android	Android 5.0 or higher (USB Host)
	Image Format	RAW, BMP, WSQ, ISO 19794-4
	Template Type	Xperix, ISO19794-2, ANSI-378
Certification	CE	O
	FCC	O
	KC	O
	RoHS	O
	IEC62471	O
	WEEE	O
	WHQL	O
	FBI	O
	CB	O
	REACH	O
	BIS	O
	USB-IF	O
	PAD	Level 1 & 2 by Bixelab



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