NScan-FA

USB Fingerprint Scanner / FBI Certified

NScan-FA is a USB type fingerprint registration / reader supporting a patented counterfeit fingerprint identification technology. This product has been issued FBI IQS PIV certificate by the Federal Bureau of Investigation (FBI) and also FBI IQS FAP20 certification, for the Mobile ID product line. With its wide fingerprint input window, it enhances the user's convenience and provides a frame rate of 15 fps to handle high-speed and high-quality images.

* Applicable field: Identification, Financial transaction, Identification of criminals, Immigration procedures, Passport issuance, Electronic voting, etc.

PRODUCT SPECIFICATION

FBI IQS PIV CERTIFICATION

FBI IQS MOBILE ID(FAP20) CERTIFICATION

Features

Demo Program and SDK

SDK

Patented Live & Fake Finger Detection

·Optical sensor and algorithm detect fake fingers (paper,film, silicone,rubber and gelatin)

International Standard Image Format and Interface

·ISO/IEC 19794-2:2005, ISO/IEC 19794-4:2005
·ANSI INCITS 378-2004
·WSQ Fingerprint Image Compression
·NFIQ(NITS Fingerprint Image Quality)

FBI Certification

FBI

·FBI IQS PIV

Specification

Detail Specification NScan-FA

Main	Fingerprint Type	Single Finger/Roll, Live Finger Detection (LFD)
	Frame Rate	15 fps(Single Finger/Roll)
	Resolution	500 dpi
	Platen Size (W x L)	26 x 27 mm
	Standard Image Size (W x L)	20 x 25 mm
	One Finger Size (W x L)	20 x 25 mm
	Rolling Finger Size (W x L)	20 x 25 mm
	Rolled Mode Capturing Speed	15 frames/s
	Typical Capture Speed	Max. 15 frame/s, Capture Type: Optical (Blue LED)
	Image Quality Standards	FBI PIV + FAP20
Hardware	Camera Resolution	2 Mega Pixels
	Camera Sensor size (Inches)	CMOS, 1/2.7"
	CMOS Image Sensor	1/2.7 Inch FHD Single Chip
	LED Light Color	Blue Fake Fingerprint Detection
	Lens Specification	1 Prism, 3 Mirrors, 2 Lens
	Type of Prism	Trapezoidal
	SDRAM	256K Byte (Internal SDRAM)
	DDR2	64M Bytes (External DDR)
	Serial Flash	4 M Bytes (1,000 Template)
	CPU	Blackfin + Processor Core (DSP)
	CPU Clock	Up to 400MHz
	Light Source	Blue Led
	LED Indicator	O
	Operating Temperature	0℃ ~ +50℃
	Operating Humidity	10 ~ 90%, non-condensing
	Operating Voltage	USB BUS Power (5V)
	Maximum Power	1.45 Watts (without heater / available by USB)
	Ingress Protection	IP 54
	Dimension (W x H x D)	47.2 x 81 x 34.4 mm
	Weight (g)	180g
	Certification	EAC, CE, FCC, KC
	Self Heating	X
	Interface	USB 2.0 (Data & Power)
Feature Requirement	Live Finger Detection (LFD)	O
	Operating System	Microsoft Windows, Android, Linux
Support	SDK Support	SDK
	Android Support	O