

FIVE-0 SPECIFICATIONS

OS Support & System Requirements

OS Support

- Windows Desktop Editions 10, 11
- Linux Kernel 4.0 or newer
 - Ubuntu 18.04 LTS or newer
 - Debian 10, 11, or newer
- Android 10, 11, 12 or newer

CPU

- x86 and x64 | 2.0GHz or higher ARM | 1.0 GHz or higher

Memory

- 512MB or higher

Images & Capture

Sensor Type

- LES

Camera

- TFT

Resolution

- 500 ppi

Grayscale

- 256 grayscale dynamic range

Image Size

- 1600 x 1000 pixels

Supported Image Formats

- RAW, JPEG2000, BMP, PNG, WSQ (FBI-approved)

Encryption

- 256-bit AES keys and RSA algorithms

FBI / Image Certifications

- FBI Appendix F-certified, Mobile ID IQS FAP 50, GSA FIPS201

Speed

- Min frame rate slaps > 7.7 fps :: Min frame rate rolls > 10 fps

API Interface

- Capture single-finger, four-finger direct, single-finger rolls, multidevice/multi-thread support

Quality Scoring

- NFIQ v1 supported on all OSes and NFIQ2 for Windows

Weight & Dimensions

Product Weight

- 191.6 grams / 0.4 lbs

Platen Size

- 85.8 mm x 53.9 mm / 3.3" x 2.1"

Sensing Area

- 81.2 mm x 50.8 mm / 3.2" x 2.0"

Scanner Assembly Dimensions

- 113.4 mm x 82.9 mm x 17.2 mm / 4.4" x 3.2" x 0.6" | Desktop
- 110.4 mm x 79.9 mm x 16.2 mm / 4.3" x 3.1" x 0.6" | Embedded

Power & Connectors

Interface

- USB 2.0

Power Source

- USB Host

USB Voltage Level

- 4.4V to 5.25V

Conformance & Certifications

USB Certification

- USB-IF USB.ORG

FCC / CE / UKCA Conformance

- FCC Part 15 (per ANSI C63.4:2014) Class B, CE Emissions: EN 55032:2015 / A1:2020 Class B, EN, 55035:2017 / A1:2020

Air Discharge / Contact Discharge

- In compliance with IEC 61000-4-2

Equipment Safety

- IEC 62368-1

Hazardous Material

- RoHS Directive 2011/65/EU with amendment 2015/863

Vibration Test

- IEC 60068-2-64

Certifications

- Fingerprint Template Output Formats
 - ISO_19794_2_2005/2011, ISO_19794_4_2005/2011
 - ANSI_INCITS_378_2004/ANSI_INCITS_381_2004
- 500 PPI fingerprint capture supporting rolls and flats
- ISO 9001:2015
- iBeta ISO 30107-3 Compliant
- MOSIP Compliant
- Meets TAA compliance for US customers

Temperature & Humidity

Operating Temperature

- -10°C ~ +55°C / 14°F ~ 131°F

Humidity

- 20~95% RH < 40°C / 104°F (Non-condensing)

Storage Temperature

- -40°C ~ +80°C / -40°F ~ 176°F

Surface & Systems

Ingress Protection / Water / Dust

- IP65 Sealed bezel to scanning surface

Surface Durability

- MIL-C-675c 4.5010, MIL-STD-810F

Cleaning & Sanitization

- For proper cleaning and disinfection of IB products, visit integratedbiometrics.com/cleaning

Mean-Time Between Failures (MTBF)

- Based on 200 full 10-print flats enrollments per day, the Five-0 MTBF is 22.2 years.

