

# FIVE-0 SPECIFICATIONS

## OS Support & System Requirements

### OS Support

- Android 10, 11, 12
- Windows Desktop Editions 7, 8, 10, 11
- Linux Kernel 4.0 or newer (32/64 bit, ARMv6, ARMv7)
  - Ubuntu 18.04, 20.04 or newer
  - Debian 10, 11, 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

- N/A

### FBI / Image Certifications

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

### Speed

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

### 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

- < 191.64 grams / 0.4 lbs (not including cable)

### Platen Size

- 85.85 mm x 53.97 mm / 3.38" x 2.12"

### Sensing Area

- 81.28 mm x 50.80 mm / 3.20" x 2.00"

### Scanner Assembly Dimensions

- 113.4 mm x 82.9 mm x 17.2 mm / 4.46" x 3.26" x 0.68" | Desktop
- 110.4mm x 79.9mm x 16.2mm / 4.35" x 3.15" x 0.64" | 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 Conformance

- FCC Part 15 (per ANSI C62.4:2003) Class A, CSA ICES-003 Class A, CE Emissions: EN55022:2006 Class A, CE Immunity EN 55024:1998/A1:2001/A2:2003, IEC61000-4-2

### Air Discharge / Contact Discharge

- In compliance with IEC 61000-4-2

### Equipment Safety

- IEC 60950-1

### Hazardous Material

- RoHS Directive 2002/95/EC
- 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 L1 Compliant

## Temperature & Humidity

### Operating Temperature

- -10°C ~ +55°C / 14°F ~ 131°F

### Humidity

- 30~85% 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](https://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.

