

# DANNO DESKTOP 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

- 400 x 500 pixels

### Supported Image Formats

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

### Encryption

- 256-bit AES keys and RSA algorithms

### FBI / Image Certifications

- PIV 071006, FIPS 201, FAP 30 / Certified to Mobile ID Requirements

### Speed

- Min frame rate > 10 fps

### API Interface

- Capture single finger, multi-device/multi-thread support

### Quality Scoring

- NFIQ v1 supported on all OSes and NFIQ2 for Windows

## Weight & Dimensions

### Product Weight

- 28.35 grams / 1.5 ounces

### Platen Size

- 21.5 mm x 26.6 mm / 0.8" x 1.0"

### Sensing Area

- 20.3 mm x 25.4 mm / 0.8" x 1.0"

### Scanner Assembly Dimensions

- 50 mm x 14 mm x 70 mm / 1.9" x 0.55" x 2.75"

## Power & Connectors

### Interface

- USB 2.0 (Molex)

### Power Source

- USB Host

### USB Voltage Level

- 4.75V to 5.25V

## Conformance & Certifications

### USB Certification

- USB-IF USB.ORG

### FCC / CE / UKCA Conformance

- N/A

### 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

- Per Mil-STD-810F (Method 514.5), Category 24, Flg.514.5C-17

### 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 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](https://integratedbiometrics.com/cleaning)

### Mean-Time Between Failures (MTBF)

- Based on 200 full single-finger enrollments per day, the Danno MTBF is 66 years.

