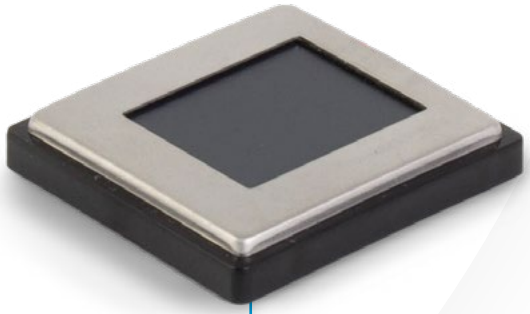
Danno

OS Support & System Requirements



Model Number
DN1110M-E00

OS Support

- Android 15 or newer
- Windows Desktop Editions 11
- Linux Kernel 5.x, 6.x or newer supported release
  - Ubuntu 22.04LTS or newer
  - Debian 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 Active Optical™ technology

Camera

- TFT

Resolution

- 500 ppi/dpi

Grayscale

- 256 grayscale dynamic range

Image Size

- 400 x 500 pixels

Supported Image Formats

- RAW, JPEG, 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

- 20 grams / 0.04 lbs

Platen Size

- 21.5 mm x 26.6 mm / 0.85” x 1.05”

Sensing Area

- 20.3 mm x 25.4 mm / 0.80” x 1.00”

Scanner Assembly Dimensions

- 40.0 mm x 42.9 mm x 8.0 mm / 1.57″ x 1.69” x 0.31”

Power & Connectors

Interface

- USB 2.0 / USB 3.0 compatible

Power Source

- USB Host

USB Voltage Level

- 4.75V to 5.25V

Conformance & Certifications

USB Certification

- USB-IF USB.ORG

FCC / CA / CE / UKCA / KC Conformance

- FCC Part 15 Subpart B, Class B
- ICES-003 Issue 7, Class B
- CE: EN 55032:2015+A11:2020 Class B, EN 55035:2017+A11:2020
- Safety: EN IEC 62368-1:2020+A11:2020

Electrostatic Discharge

- In compliance with IEC 61000-4-2

Hazardous Material

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

Vibration Test

- Per Mil-STD-810F (Method 514.5), Category 24, Fig.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 14001:2015
- iBeta ISO 30107-3 Compliant
- KISA PAD 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 single-finger enrollments per day, the Danno MTBF is 66 years.

ABOUT INTEGRATED BIOMETRICS

Integrated Biometrics (IB), a pioneer in biometrics technology, designs and manufactures advanced, high-resolution touchless identification SDK software and the world’s most mobile, durable and reliable FBI-certified fingerprint sensors. Law enforcement, military, homeland security, national identity, election validation, financial and social services organizations around the world rely on Integrated Biometrics products for fast, accurate enrollment, identification and verification, even in remote locations under extreme conditions.