CROSS MATCH

ID 1000®
10-Print Live Scan System

The ID 1000 has consistently achieved a series of industry firsts:

- *1st portable, auto calibrating live scan*

- *1st to receive the FBI's highest image quality certification - Appendix F*

- *1st and only to capture, store and print 1000 dots per inch resolution fingerprint images*

- *1st to capture and submit fingerprint records to the Office of Personnel Management through the AAAE using a Virtual Private Network*

CROSS MATCH
Technologies Inc.®

The Cross Match ID 1000 live scan system is a state-of-the-art digital fingerprint capture device that produces forensic-quality images eliminating the need for the more inefficient and time consuming ink and paper methods. The system then transmits the high-quality fingerprint files to an Automated Fingerprint Identification System (AFIS) for identification processing and verification.

The ID 1000 is the only live scan fingerprinting system on the market that has the optional capability to scan fingerprint images at 1000 dots per inch (dpi) resolution. The ID 1000 offers auto-calibration, or "retuning," to ensure compliance to Image Quality Standards as determined by the Federal Bureau of Investigation (FBI) and International Association of Identification (IAI). Operators may also preview each fingerprint during capture to verify the fingerprint image quality and minimize rejections by the FBI for poor quality fingerprints.

The Cross Match ID 1000 offers mobility, precision, and ruggedness to a wide variety of potential users, including federal and state agencies, law enforcement personnel, child services departments, financial institutions, transportation groups, nuclear power plant operators, security services providers, and international safety organizations.

CROSS MATCH ID 1000

ID 1000 Benefits

- Reduces FBI rejection rates from poorly captured fingerprints
- Saves time and money in processing and other related administrative costs
- 24 to 48 hour turn-around capability for background checks
- Low maintenance
- Training and customer support available
- Expedited service

ID 1000 System Features

- 500 (standard) and 1000(optional) dpi image resolution capability for the highest quality print capture
- Captures both slap and roll fingerprints
- Lightweight (23 lbs) and portable (18" x 8" x 4")
- Rugged and durable – the most rugged in the industry
- Automatically self-calibrates without user intervention
- User logins ensure data integrity and security
- Live image fingerprint capture preview and quality feedback
- Manual demographic data capture included or optional automatic demographic data capture available
- Finger sequence checking software
- Patented Ridge Enhancing Silicone Pads - Low cost, easy to replace silicone pads enhance the ridge patterns on difficult to fingerprint individuals
- UL, FCC and CE listed
- Windows based operating system with network capability
- FBI WSQ compression and decompression algorithm reduces the size of the records stored and improves transmission speed
- Images and demographic data are stored in FBI compliant NIST/EFT record formats
- IAFIS Image Quality Specifications (IQS) EFTS Appendix F (CJIS-RS-0010 v 7)
- Standards Compliant (ANSI-NIST/FBI/INTERPOL)
- Network Capability - Store and Forward: NFS, FTP, TCP/IP sockets, SMTP, VPN

ID 1000 Hardware Specifications

Resolution
1000 or 500 DPI +/- 1% in the X and Y axis

Dynamic Range
8 Bits, 256 greyscales

Linearity and rectilinearity
Less than one pixel

Image / Platen area
1.5" x 1.6" (38 mm x 41 mm) in Roll Mode
2.0" x 3.2" (51 mm x 81 mm) in Slap Mode

Output (Digital)
IEEE-1394

Power
12 VDC @ 5 Amps (To operate optical deck ONLY)

Operating Temperature range
35°F to 100°F (2°C to 38°C)

Humidity range
10-90% non-condensing, splash-resistant

Weight
23 lbs (10.4 kg)

Dimensions
4.0" x 8.0" x 18"
(102 mm x 203 mm x 458 mm)

Optional System Peripherals

- Card Printer
- Card Scanner
- Touchscreen Display
- Digital Camera
- Palm Scanner
- Signature Pad
- Integrated or Desktop Console

About Cross Match Technologies, Inc.

Cross Match Technologies is an industry leader in the development of a complete line of forensic-quality fingerprint and palm print readers for state, federal, commercial, aviation and international organizations to prevent infiltration, crime and terrorism. Cross Match currently offers the most comprehensive line of biometric products in the industry supported by superior customer service. Cross Match has customers in 40 countries and is responsible for fingerprinting over 20 million people worldwide. Cross Match has sold over 5000 systems and holds or has pending more than 70 patents.

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