


CROSS MATCH

ID 1000^{fi}

10-Print Live Scan System

**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 device then transmits the high-quality fingerprints to a central location and/or interfaces with an Automated Fingerprint Identification System (AFIS) for identification processing and verification.

The ID 1000 is the only Live Scan product on the market that scans fingerprint images at 1000 dots per inch (dpi) and offers auto-calibration, or "retuning," that ensures 100% image integrity and a forensic-quality print every time. Operators may also preview each fingerprint during capture to verify the fingerprint image quality and, thus, avoid rejection by the FBI for poor quality prints.

The ID 1000 can be configured as an

independent capture-only device with or without local storage, or as part of a complete booking or identification system. Images are captured using a digital CMOS camera and then transferred via a 200 Mbps IEEE 1394 (Fire Wire®) interface to any PC running Windows® 98, Windows NT® 4.0 or Windows 2000.

Cross Match's ID 1000 offers mobility, precision and ruggedness to many organizations including federal and state agencies, law enforcement organizations, child services, financial institutions, other commercial entities, transportation organizations, nuclear power plants, security services and international organizations.

CROSS MATCH ID 1000

ID 1000 Benefits

- Reduces rejection rates
- 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 Features

- 500 and 1000 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 market
- Automatically self-calibrates without user intervention
- User logins ensure data integrity and security
- Live image capture preview and quality feedback
- Demographic data capture
- Finger sequence checking software
- User replaceable silicone pad
- UL, FCC and CE listed
- Windows-based platform with network capability

- 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 record formats

Specifications

Resolution

1000 or 500 DPI +/- 5 pixels in X and Y axis

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 (FireWire)

Power

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

Temperature range

35°F to 100°F (2°C to 38°C)

Storage temperature range

32°F to 120°F (0°C to 49°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)

ID 1000 System Requirements

Desktop Hardware Configuration

- Pentium IV 1.7 GHz
- 24x Max CD-RW
- 56K Modem
- Fire Wire Cardbus (SIIG, RATO or Western Digital)
- 10/100 Network Card
- 20GB EIDE Hard Drive
- 256 MB Ram
- Windows 2000
- 1024 x 768 Video Resolution Monitor (or 15" Touch Screen)

Laptop - Portable Upgrade Option - Hardware Configuration

- Pentium III 1.3 GHz
- CD-RW
- 3COM Mini-PCI NIC/Modem Combo
- Firewire Cardbus (SIIG, RATO or Western Digital)
- 20GB Hard Drive
- 256 MB Ram
- Windows 2000



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 and delivered over 5000 systems and holds more than 70 patents.



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