



CROSS MATCH®

L SCAN 1000T

**Rolled Finger and ID-Flats
 Capture Live Scan System at
 1000 Pixels Per Inch (PPI)**

**1000 PPI is the highest image
 resolution available and certified
 by the FBI**

**CROSS
 MATCH**
 Technologies

The Cross Match® L SCAN 1000T is the high resolution, lightweight, compact fingerprint live scan system for use in desktop, portable or cabinet configurations.

Third level detail like the shape of fingerprint ridges and sweat pores can be of utmost importance to make an identification. With today's modern AFIS systems reaching search accuracies of 99 percent and higher, it is in fact up to the fingerprint examiner to eventually determine the correct identity from a list of possible candidates. While 500 ppi fingerprint images are standard and perfectly suited for automatic searching,

sorting out candidates based on third level detail requires another level of image contents. Those details become clearly visible with the superb resolution and outstanding image quality of the L SCAN Pro Image 1000T Finger/ID Flats livescanner. As the latest addition to the well known L SCAN class of professional grade livescanners, this new device combines the rock solid performance, the real time display and the instant quality checks with crystal clear and crisp images. Due to its compact size it is ideal for flexible use in various configurations. Smart buttons make it easy to work with.

CROSS MATCH® L SCAN 1000T

L SCAN 1000T Benefits

- Crystal View technology with true 1000 ppi scan resolution
- Flash capture for real-time roll, real-time scan, real-time preview on screen on single platen
- Takes all 10-rolled fingers and all kinds of flat fingers, thumbs
- No stitching of images, no moving parts, solid, stable

General Specifications

System components: Scanner L SCAN 1000T (standard version with red illumination, special version with green illumination and elastic pad), IEEE 1394 (FireWire) interface cable, power cord, footswitch, operating software for the scanner, transport travel case (optional)

Image quality certification: Fully certified to comply with the FBI Standard CJIS-RS-0010 (revision 2004) "IAFIS Image Quality Specifications", Appendix F, category Live Scan Systems 500/1000 ppi and category Identification Flats Systems 500/1000 ppi, with and without elastic pad

Power supply & consumption: AC 100V-240V, 50/60 Hz, autosensing, max. 75 VA

Scanner PC interface: IEEE 1394 (FireWire) OHCI interface

Scanner Functions

Scanned fingers: Rolled and flat single fingers, flat-4-fingers, flat-2-thumbs, format supports the capture of ID Flats according to FBI specifications

Capture platen: Single platen for rolled prints and flats & thumbs, rolled prints capturing in the middle of the platen (no separation into sections, no stitching of image)

Elastic membrane: Special pads available for product version „Green“ to achieve best dry finger image quality

Scanner control: Smart Button Easy Control™, illuminated function keys and status lamp

Rolled prints capturing: Perfect Roll™, variable speed, auto direction, real-time quality assurance checks includes correct roll checks

Flat prints capturing: Flash Capture True-1K™, full area simultaneous capture, full upright orientation of fingers

Flats timing: < 0.5 seconds, at 500 ppi and at 1000 ppi

Rolled prints format: 1.6" x 1.5" (41 x 38 mm)

Flats prints format: max. 3.2" x 3.0" (81.2 x 76.2 mm)

Scanner resolutions: 1000 pixels-per-inch (ppi) (1000 ppi mode) and 500 pixels-per-inch (ppi) (500 ppi mode), software selectable

Image feature mapping: Crystal View True-1K™ technology, fully optimized handling of all quality related parameters during digital image conditioning, lowest noise and best geometric accuracy plus finest feature representation

Capture display: True live-display of single and multiple finger impressions on the PC screen

Software: Available in levels for OEMs, system integrators and end users, running under MS Windows 2000/XP

Scanner Dimensions and Environmental Conditions

Scanner weight: 15.6 lbs (7.1 kg)

Scanner size: 11.6" x 10.0" x 5.5" (295 mm x 255 mm x 141 mm)

Scanner workspace: Flat over the entire platen area, water protected and factory sealed, protection flap over the capture platen area

Operating conditions: Indoor use, +50...+95°F (+10...+35°C), 10...80% relative humidity, non condensing, no direct sunlight exposure

About Cross Match Technologies, Inc.

Since its founding in 1996, Cross Match Technologies, Inc. has been at the forefront of the development and deployment of cost-effective biometric security solutions for law enforcement, federal, aviation, commercial and international organizations. Headquartered in Palm Beach Gardens, Florida, and offering the broadest product lines in the industry, Cross Match is recognized for setting new standards in fingerprint and other biometric technologies through its more than 150 existing or pending patents and related intellectual properties. Additional information on Cross Match is available at www.crossmatch.com.



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