

## PRODUCTS

### **L SCAN<sup>®</sup> 1000T**

*Rolled Finger and ID Flats Livescan Capture System*



**Application Environments:**

- Law Enforcement Booking
- Civil Background Checks
- Border Control
- Embassies and Consulates

Cross Match<sup>®</sup> L SCAN 1000T is a 1000 ppi high-resolution, lightweight, compact fingerprint livescan system for use in desktop, portable or cabinet configurations. The industry group, SWGFAST, Scientific Working Group on Friction Ridge Analysis, Study and Technology, strongly recommended at the ANSI/NIST 2005 Workshop meeting, an image quality standard of 1000 ppi for ten-print and palm print images, and Cross Match is leading the way with the L SCAN 1000T. Third-level detail, such as the shape of

fingerprint ridges and sweat pores, can be of utmost importance in making an identification. Although today's modern AFIS systems reach search accuracies of 99 percent, it is still the responsibility of the fingerprint examiner to determine the correct identity from a list of possible candidates. While 500 ppi fingerprint images are standard and perfectly suited for automatic searching, sorting 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 1000T Finger/ID flats livescan system.

The L SCAN 1000T combines solid performance, real-time display and instant quality checks to produce crystal clear and crisp images. The L SCAN 1000T is lightweight, and compact for configuration flexibility, and the smart buttons make it easy to use.

# L SCAN® 1000T

## Specifications

### System components

- Scanner L SCAN 1000T and L SCAN 1000TvS with silicone membrane for superior capture of fingerprints from dry and damaged skin
- IEEE 1394 (FireWire) interface cable
- External power supply unit (AC cable with country-specific plug)
- Capture Essentials driver software
- Footswitch and transport travel case (optional)

### Scanner weight

- 15.2 lbs (6.9 kg)

### Scanner size

- 11.8" x 10.0" x 5.5"  
(299 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°F - 95°F (10°C - 35°C), 10 % - 80 % relative humidity, non-condensing, no direct sunlight exposure

### Power supply & consumption

- External power supply, wide range
- Input: AC 100 V - 240 V, 50/60 Hz
- Output: DC 18.5 V - 19.95 V, 50/60 Hz, max. 3A, max. 75 VA operation

### Scanner PC interface

- IEEE 1394 (FireWire) OHCI interface

### Rolled prints format

- 1.6" x 1.5" (41 mm x 38 mm)

### Flat prints format

- Max. 3.2" x 3.0"  
(81.2 mm x 76.2 mm)

### Scanner resolutions

- 500 ppi and 1000 ppi
- Software selectable

## Functions

### Scanned fingers

- Rolled and flat single fingers, flat four fingers, flat two thumbs
- Format supports the capture of ID flats according to FBI specifications

### Capture platen

- Single platen for rolled prints, flats and thumbs
- Rolled prints captured in the middle of the platen
- No separation into sections, no stitching of image

### Silicone membrane

- Available with silicone membrane 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

### Capture display

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

### 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

### Image quality certification

- Certified to FBI Standard CJIS-RS-0010, Appendix F "IAFIS Image Quality Specifications for Scanners", category Livescan Systems 500/1000 ppi and category Identification Flats Systems 500 ppi

### Software

- Available in levels for OEMs, system integrators and end users, running under Windows 2000/XP, Windows Vista, Windows 7 (32 bit)

## Benefits

- Easy and intuitive, even in unattended/self-service environments
- Crystal View technology with true 1000 ppi scan resolution
- Flash Capture for real-time roll, scan, and preview on screen with a single platen
- Takes ten rolled fingers, all flat fingers and thumbs
- No stitching of images, no moving parts, solid, stable

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