

## PRODUCTS

### **L SCAN<sup>®</sup> 500P**

*Compact, Lightweight Single Platen Palm Scanner  
with Interactive LCD Display*



#### **Benefits:**

- First FBI-certified single platen design
- Rapid, high-quality data capture
- Scans upper, lower and writer's palm images
- Captures single, rolled and ten prints
- Easy operation with smart buttons and intuitive icons
- Configurable for fixed, and portable environments

Currently the lightest and smallest palm scanner in the industry, the L SCAN 500P is the first FBI-certified single platen device for capturing fingerprints and palm prints. Ideal for criminal identification and forensic analysis, the compact L SCAN 500P meets the growing market demand for lightweight, flat, single platen solutions and offers single capture images of upper, lower and writer's palms, slaps and rolls.

Building on Cross Match's leadership in livescan, the L SCAN 500P captures

forensic quality images that comply with the FBI Image Quality Specification (IQS) as defined in Appendix F of the EFTS. The system uses patented auto capture technology—enabling users to obtain the highest quality palm images in less than one second. With a small footprint and advanced biometric technology, the L SCAN 500P makes it easy for law enforcement officials to establish and verify subjects' identities.

Built with officer safety in mind, the L SCAN 500P has a unique interactive LCD display that makes the scanner very easy and intuitive to use. Two smart buttons and descriptive icons enhance operation by providing immediate feedback on the scanner. The LCD display makes the capture sequence faster, easier, and safer for law enforcement officers.

# L SCAN® 500P

## L SCAN 500P Specifications

### PC requirements:

3 GHz CPU, 512 MB RAM

### PC interface:

IEEE 1394A (400 MBit), OHCI

### Operating system requirements:

Microsoft Vista or Microsoft Windows XP SP2

### Mean time between failure (MTBF):

5 years continuous operation (45,000 hours)

### System components:

- Scanner unit
- Mounting bracket
- Protective platen cover
- External power supply unit with connection cable
- AC power connection cable
- IEEE 1394 (FireWire) interface cable
- L SCAN Essentials runtime license

### Optional components:

- Patented silicone membrane to enhance biometric data capture from dry fingers and palms
- Adaptor for use in the L SCAN Cabinet
- Foot pedal with USB interface adaptor that connects directly to the PC
- L SCAN Essentials SDK (supported under Windows Vista and Windows XP)

**Power supply:** 100-240V AC auto-adjusting, 50-60 Hz, 40 W max.

**Certifications:** FBI Appendix F, UL, IEC, DIN, EN, FCC, RoHS and SCA safety standards

## Functions

**Single finger:** Flat and rolled scans

**Flat finger:** Simultaneous flat capture of two to four fingers and both thumbs. Compliant with all formats, including the FBI Identification Flats (ID Flats) format.

**Rolled finger:** Rolled prints capture at any speed of rolling, using nail-to-nail techniques or centering and rocking side-to-side.

**Palm:** Upper, lower and writer's palm scans (ANSI/NIST compliant)

**Trigger options:** Patented auto capture capability for palms and flat fingerprints without operator intervention or manual capture ability.

## Image Quality and Format

**Capture resolution:** 500 ppi

**Specifications:** Complies to the FBI Image Quality Specification (IQS) as defined in Appendix F of the EFTS

### Palm print image dimensions:

2496 x 2560 pixels maximum (126 x 130 mm maximum)

### Rolled and flats image dimensions:

800 x 750 pixels max. for rolled fingers; 1600 x 1500 pixels max. for slaps

## Dimensions and Environmental Conditions

### Scanner weight:

14.9 lbs (6.8 kg) in standard configuration

### Scanner size (W x D x H):

12.0" x 12.1" x 5.2" (306 mm x 308 mm x 133 mm)

### Operating temperature:

35°-105° F (2°-40° C)

**Humidity range:** Maximum 10-90% relative humidity, non-condensing, no direct sunlight exposure, workspace (top of device) water protected

## Law Enforcement Applications

- Suspect identification
- Criminal booking
- Sex offender registration



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