

L SCAN[®] 500P

COMPACT, LIGHTWEIGHT SINGLE PLATEN PALM SCANNER WITH INTERACTIVE LCD DISPLAY

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 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
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LAW ENFORCEMENT APPLICATIONS

- Suspect identification
 - Criminal booking
 - Sex offender registration
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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	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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.
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Certifications FBI Appendix F, UL, IEC, DIN, EN, FCC, RoHS and SCA safety standards

SCANNER FUNCTIONS

Single finger	Flat and rolled scans
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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.
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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.
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IMAGE QUALITY AND FORMAT

Capture resolution	500 ppi
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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)
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Rolled and flats image dimensions	800 x 750 pixels max. for rolled fingers; 1600 x 1500 pixels max. for slaps
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DIMENSIONS AND ENVIRONMENTAL CONDITIONS

Scanner weight	14.9 lbs (6.8 kg) in standard configuration
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Scanner size (W x D x H)	12.0" x 12.1" x 5.2" (306 mm x 308 mm x 133 mm)
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Operating temperature	35° - 105° F (2° - 40° C)
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Humidity range	Maximum 10-90% relative humidity, non-condensing, no direct sunlight exposure, workspace (top of device) water protected
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