

PRODUCTS

L SCAN[®] 1000P

Ten-print Roll and Flat Capture, and Palm Livescan System

1000 ppi is the highest image resolution available and the L SCAN 1000P is the first livescan system to be 1000 ppi-certified by the FBI



The Cross Match[®] L SCAN 1000P is a lightweight, compact palm and fingerprint livescan system that can be used for desktop, portable or cabinet integrations.

Third-level detail like the shape of fingerprint ridges and sweat pores can be of utmost importance in making an identification. With today's modern AFIS systems reaching search accuracies

of 99 percent and higher, 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 acceptable for automatic searching, sorting candidates based on third-level detail requires another level of image quality. Those details become clearly visible with the superb resolution and outstanding image quality of the L SCAN 1000P Palm/Finger livescan solution.

As the world's first livescan device achieving FBI certification for 1000 ppi, L SCAN 1000P established the standard for professional grade products, combining characteristic features such as the highest quality images with consistent performance, real-time display and instant quality checks. Due to its compact size, it can be used in various configurations. Smart buttons make it easy to use.

L SCAN® 1000P

L SCAN 1000P Benefits

- Compact and lightweight scanner for desktop, portable or cabinet integration use
- Crystal View™ technology with true 1000 ppi scan resolution
- Flash Capture™ for real-time roll, scan, and preview on screen
- Takes all ten rolled and flat fingers, plus palms
- No stitching of palm images, no moving parts, solid, stable.

Scanner Functions

Scanned fingers: Rolled and flat single fingers, flat four fingers, flat two thumbs

Scanned palms: Upper, lower and side/writer's palm —ANSI/NIST compliant

Capture platen: Small platen for rolled prints; large platen for flats and palm prints

Capture display: True live display of finger impressions and palms; connects via interface to the PC and displays images in a window on the PC screen

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 and palm prints capturing:

Flash Capture True-1K™, full area simultaneous capture, no moving parts for highest stability and reliability

Flats and palms timing: Scanning time at 500 ppi: instant capture (<0.5 seconds); scanning time at 1000 ppi: fast capture (<2.0 seconds)

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

Flat and palm prints format:

Up to max. 4.6" x 5.0" (117 mm x 127 mm)

Scanner resolution: 500 and 1000 pixels-per-inch (ppi)

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

Silicone membrane:

- L SCAN 1000P is available with and without a silicone membrane
- Enables exceptional fingerprint image quality
- Provides significant ridge definition
- Requires less finger pressure, producing less ridge distortion.

General Specifications

Scanner Dimensions:

13.8" x 19.7" x 6"
(350 mm x 500 mm x 150 mm)

Weight: 35 lbs (16 kg)

System components:

Scanner L SCAN 1000P, IEEE 1394 (Firewire) interface cable, power cord, operating software for the scanner, transport travel case (optional), footswitch (optional)

Image quality certification:

Fully certified to comply with the FBI Standard CJIS-RS-0010 (revision 2004) "IAFIS Image Quality Specifications", Appendix F, category livescan systems 500/1000 ppi, with and without silicone membrane

Power supply & consumption:

AC 100V-240V, 50/60 Hz, autosensing, max. 150 VA

Scanner PC interface:

IEEE 1394 (Firewire) OHCI interface between scanner and notebook or PC

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