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Smiths Heimann Biometrics

L SCAN® Pro Image 1000P Palm/Finger Live Scan



- **Very 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, real-time scan, real-time preview on screen on single platen**
- **Takes all 10-rolled fingers and all kinds of flat fingers, palms**
- **No stitching of images, no moving parts, solid, stable**

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 1000P Palm/Finger livescanner.

As the world's first Live Scan device achieving FBI certification for 1000 ppi, it established the L SCAN class of professional grade livescanners, combining the characteristic features such as crystal clear and crisp images with the well known rock solid performance, the real time display and the instant quality checks. Due to its compact size it can be used in various configurations. Smart buttons make it easy to work with.

1000
ppi

Crystal
View

Easy
Use



L SCAN[®] Pro Image 1000P

Product data

Locations

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General specifications

System components:

Scanner block L SCAN 1000P, IEEE 1394 (FireWire) interface cable, power cord, foot switch, operating software for the scanner, transport travel case (optional)
 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
 AC 100V-240V, 50/60 Hz, autosensing, max. 150 VA
 IEEE 1394 (FireWire) OHCI interface between scanner and notebook or PC

Image quality certification:

Power supply & consumption: Scanner PC interface:

Scanner functions

Scanned fingers:

Rolled and flat single fingers, flat-4-fingers, flat-2-thumbs

Scanned palms:

Upper palm, lower palm, side/writer's palm (ANSI/NIST compliant)

Capture platens:

Small platen for rolled prints, large platen for flats and palm prints

Capture display:

True live-display of finger impressions and palms, works via the interface to the PC, displays the 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 incl. correct roll checks

Flat & palm prints capturing:

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

Flats & palms timing:

Scanning time at 500 ppi: instant capture (< 0.5 seconds)

Rolled prints format:

1.6" x 1.5" (41 x 38 mm) (W x H)

Flat & palm prints format:

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

Scanner resolution:

1000 pixels-per-inch (ppi) = 39.4 points-per-millimeter (1000 ppi mode)

500 pixels-per-inch (ppi) = 19.7 points-per-millimeter (500 ppi mode)

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

Scanner dynamic range:

True 8 bit, max. 256 gray scales

Software:

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

Scanner dimensions and environmental conditions

Scanner size (W x D x H):

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

Scanner weight:

35 lbs (16 kg) excluding all cables

Scanner work space:

Flat over the entire platen area, easy cleaning and handling, water protected and factory sealed

Operating conditions:

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

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Our company
is certified to



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