

PRODUCTS

L SCAN[®] 1000PX

*Rapid, High-Resolution, Compact 1000 ppi
Tenprint and Palm Print Livescan System*



Advantages

- Extremely fast image capture and real-time preview
- Highest Resolution with the new XD[™] Technology
- Capture of palm prints, flat and rolled fingerprints on a single prism
- Free positioning on the prism for scanning flat fingers
- Intuitive display and smart buttons
- Lightweight, compact size allows portability

Ideal for criminal identification and forensic analysis, the new Cross Match L SCAN 1000PX addresses the need for an ultra-compact, high resolution, rapid capture livescan system. The lightweight solution easily acquires upper, lower and writer's palms, flats and rolls at 1000 ppi or 500 ppi—using the same prism.

The L SCAN 1000PX utilizes new XD (X-treme Definition) Technology, enabling superb image resolution and outstanding capturing speed. With XD Technology, third-level fingerprint and

palm print details are clearly visible through startling image clarity, which is certified to and significantly exceeds the FBI image quality standards.

Built with officer safety in mind, the 1000PX has an intuitive, integrated display and smart buttons to easily guide users through the fingerprint scanning process. The system includes real-time image preview and instant image capture for rapid, foolproof biometric data collection. With its compact size, the 1000PX is the fastest, lightest and first truly portable 1000 ppi scanner available—making it an ideal choice for law enforcement agencies.

L SCAN® 1000PX

Features

Capture Modes

- Single finger: Flat and rolled scans
- Flat finger: Simultaneous capture of flat fingers and thumbs at fixed or any position on the prism
- Rolled finger: Rolled prints captured at any speed, using nail-to-nail techniques or centering and rocking side-to-side
- Palm: Upper, lower and writer's palm scans

Trigger Modes

- Patented Auto Capture™ capability or manual capture for all fingerprint and palm print capture formats
- Illumination: Green light to avoid ambient light interference

Specifications

Scanner Weight

- 14.9 lbs (6.8 kg) in standard configuration

Scanner Dimensions (W x D x H)

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

PC Interface

- IEEE 1394A (400 MBit/s)

Image Quality and Format

- Capture resolution:
1950 ppi x 1350 ppi
- Image resolution:
1000 ppi x 1000 ppi
- Capture grayscale:
12 bit (4096 gray levels)

- Image grayscale: 8 bit (256 gray levels)
- Image dimensions:
Palm – 5.0" x 5.1"
Rolled fingers – 1.5" x 1.6"
ID Flats – 3.0" x 3.2"
- Certified to FBI Image Quality Specification, Appendix F of the EBTS
- Perfect Image™ for uniform images without any background
- Perfect Roll™ for highest quality for rolled prints and user guidance during capturing

Operating Conditions

- Environmental temperature:
35-122 °F (2-50 °C)
- Humidity range: Maximum 10-90% relative humidity, non-condensing

Power Supply

- 100-240 V AC auto-adjusting;
50-60 Hz, 40 W maximum

Mean Time Between Failures (MTBF)

- 5 years of continuous operation (45,000 hours)

System Requirements

Hardware

- Dual core 2.4 GHz Processor, 2 GB RAM

Software

- Microsoft Windows 7, Vista, XP SP2 (32 bit systems)

Certifications

- FBI Appendix F, UL, IEC, DIN, EN

System Components

Standard 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 6.3 (or later) runtime license

Optional Components

- Patented silicone membrane to improve fingerprint and palm print image capture from dry skin
- Adaptor for use in the L SCAN Cabinet
- Foot pedal with USB interface
- L SCAN Essentials SDK



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