

PRODUCTS

L SCAN[®] Guardian[™]

Compact, Rapid Capture, Dual Use Criminal and Applicant Livescan and Fingerprint Enrollment System



answer customers' needs for a smaller, cost-effective solution.

L SCAN Guardian is the first compact, mobile, ten-print capture scanner system to meet the U.S. government's stringent biometric standards. Guardian is designed for rapid forensic-quality fingerprint capture, which qualified it for the FBI's Integrated Automated Fingerprint Identification System (IAFIS) Appendix F certification for electronic fingerprint transmission.

Unique features, such as the patented auto capture capability and the Perfect Roll[™] technology, allow foolproof fingerprint acquisition—positioning Guardian as an excellent choice for high-volume processing environments.

Combining visionary products with a global presence, Cross Match delivers high levels of customer satisfaction and support; as such, it is the solution provider of choice for many of the world's most sophisticated security installations.



Biometric screening and identity solutions are critical components of today's security installations, making them a vital aspect of maintaining national safety. Cross Match Technologies provides award-winning solutions for large- and small-scale government and corporate security implementations. An industry leader, Cross Match not only introduced mobile fingerprint scanners to the marketplace, but was the first provider of ten-print livescan systems to

L SCAN[®] Guardian[™]

Guardian Specifications

- Image quality complies with FBI's IAFIS Appendix F specification
- Designed and tested to meet the IK08 EN 50102 durability specifications as promulgated by the European Committee for Standardization. The Guardian enclosure protects its internal electrical components from an external impact of up to 5 joules.
- FBI certified for both civil ID flats and full criminal ten-print rolls and flats
- Certified for use with or without Cross Match's patented silicone membrane technology
- 3.2" x 3.0" (81 mm x 76 mm), single prism, single imager, uniform capture area
- 500 ppi resolution
- Operating temperature 35°F to 120°F (1.6°C to 49°C)
- Humidity range 10-90% non-condensing; splash-resistant
- Factory calibrated and sealed, with automatic IQS Wizard[™] self test/diagnostics at start-up

Guardian Deck Features

- Dimensions 6" x 6" x 4.7" (152 mm x 152 mm x 120 mm)
- Weight 4.0 lbs. (1.8 kg)
- Sealed, rugged case with high tolerance for shock and vibration
- Rubber overmold for sure handling and shock absorption
- Countertop mounting bracket
- Also available with USB 2.0 interface
- Lighted platen power status indicator
- Green illuminated pictograms guide the user through image capture

- Auto capture feedback through four LED lights indicating image quality
- Heated platen to eliminate condensation and halo effect
- Single cable IEEE 1394 interface for data and power, 400 Mbits/s speed, OHCI compliant — no separate power supply needed
- Accepts standard security cable
- Optional ambient light shield for use in direct sunlight

Guardian Firmware Features

- Patented auto capture capability for flat fingerprints without operator intervention
- Filters and rejects residual ghost fingerprint images using Perfect Image[™] technology
- Perfect Roll[™] for rolled fingerprint acquisition, either direction, any speed
- IQS Wizard[™] technology ensures Guardian continues to operate within IQS specifications
- Guardian firmware can be updated through the IEEE 1394 port

Guardian Software Optional Features

- Fully supported by application software solutions for law enforcement criminal bookings, as well as government and civilian background checks
- Segmentation of flats into discrete single fingerprint images
- Fingerprint sequence check in rolled and slaps acquisition workflow
- Image quality check

Guardian Benefits

- First livescan device to meet the size and functional requirements of the U.S. Government Joint Agency User Group
- Intuitive system — requires little training
- Ergonomically friendly design, tailored for attended and unattended use
- Easy to understand pictograms and fully automatic image capture
- Instant quality check feedback to the user
- The illumination technique allows the capture of high-quality images regardless of skin color and age
- Auto capture of left and right hands, and both thumbs, in under 15 seconds
- Ultra lightweight and portable for use in Jump Kits and portable travel cases
- Convenient, detachable handle for positioning Guardian to accommodate special needs
- Fits securely on a six-inch counter

Silicone Membrane Features

- Enables exceptional fingerprint image quality
- Provides significant ridge definition, particularly on dry skin
- Protects Guardian platen from accidental damage
- Requires less finger pressure, producing less ridge distortion
- Eliminates slippage on rolled prints
- Extended lifetime
- Inexpensive, fast and simple to replace.

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