Guardian® R

Rugged, Compact, Lightweight System for Harsh, Remote Environments for Fingerprint Biometrics Enrollment

Guardian R is a compact and durable ten-print capture scanner optimized for use in diverse, harsh locales. Guardian R is designed for rapid forensic-quality fingerprint capture and meets the highest U.S. government standards. Reliability is unsurpassed as the Guardian R has been independently certified to conform to MIL-STD-810F standards for equipment durability in various harsh environmental conditions. A battery powered system, Guardian R is easy to position — making it an ideal choice for remote operational environments.

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.

Cross Match combines visionary products with a global presence and delivers high levels of customer satisfaction and support. It is the solution provider of choice for many of the world’s most sophisticated security installations.
### Specifications
- Image quality complies with FBI specification EFTS Appendix F
- Designed and tested to MIL-STD-810F durability specifications with conformance certified by an independent testing lab
  - Low Pressure (Method 500.4)
  - High Temperature (Method 501.4)
  - Low Temperature (Method 502.4)
  - Temperature Shock (Method 503.4)
  - Rain (Method 506.4)
  - Humidity (Method 507.4)
  - Vibration (Method 514.5)
  - Shock (Method 516.5)
  - Blowing Dust (Method 510.4) (First in industry to pass blowing dust method)
- Sealed, metal case meets IEC IP65 standard for protection from dust and water intrusion
- 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; sealed protection against low pressure jets of water from all directions
  - Factory calibrated and sealed, with automatic self test/diagnostics at start-up
- Optional components: Patented silicone membrane to enhance biometric data capture from dry fingers
- Operating systems: Windows XP, Windows Vista, Windows 7 (32 bit)

### Deck Features
- Dimensions 6” x 6” x 5.1” (152 mm x 152 mm x 130 mm)
- Weight approximately 5 lbs. (2.3 kg)
- Shielded platen for use in outdoor ambient light conditions
- Heavy-duty handle for easy carrying and manual deployment
- Indicators for power and status
- 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
- Available in Jump Kit for field deployable ID Management Solutions
- Standard USB 2.0 interface, high speed 480 Mbits/s
- Includes two additional USB 2.0 ports for pass through (hub) use, including IP68 rated connectors
- Optional ambient light shield for use in direct sunlight

### Firmware Features
- Patented Auto Capture capability for flat fingerprints without operator intervention
- Filters and rejects residual ghost fingerprint images using Perfect Image™
- Perfect Roll™ for rolled fingerprint acquisition, either direction, any speed
- Guardian R firmware can be updated through the USB 2.0 port

### Optional Software Features
- Fully supported by Cross Match application software solutions for law enforcement criminal bookings, as well as military field uses
- Segmentation of flats into discrete single fingerprint images
- Fingerprint sequence check in rolled and slaps acquisition workflow
- New FAST SDK available for quick, accurate implementation of fingerprint capture into any software application

### 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 field use
- Easy to understand pictograms and fully automatic image capture
- Instant quality check feedback to the user
- Illumination technique allows capture of high-quality images regardless of skin color and age
- Auto Capture of both hands and thumbs in under 15 seconds
- Ultra lightweight and portable for use in Jump Kits and portable travel cases
- Convenient, adjustable handle for positioning Guardian R to accommodate special needs

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