

PRODUCTS

Guardian[®] R2

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



Guardian R2 is designed for rapid forensic-quality fingerprint capture and meets the highest U.S. government standards. Reliability is unsurpassed as the Guardian R2 has been independently certified to conform to MIL-STD-810F standards for equipment durability in various harsh environmental conditions. A battery powered system, Guardian R2 is easy to position—making it an ideal choice for remote operational environments



Biometric screening and identity solutions are visible and important components of security installations worldwide. Cross Match Technologies provides award winning solutions for large- and small-scale government, military and corporate security implementations. Cross Match continues to lead the industry by addressing customers' demands for smaller, lighter, and more rugged livescan solutions.

Guardian R2 is a compact and durable ten-print capture scanner optimized for use in diverse, harsh environments.

Unique features, such as the patented Auto Capture™ capability and the Perfect Roll™ technology, allow foolproof fingerprint acquisition—positioning Guardian R2 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 EBTS Appendix F
- Designed and tested to meet MIL-STD-810F durability specifications with conformance certified by an independent testing lab
- Sealed, metal case meets IEC IP 65 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, uniform capture area
- 500 ppi resolution
- Operating temperature: 32°F to 122°F (0°C to 50°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
- Operating systems: Windows XP, Windows Vista, Windows 7 (32bit)

Deck Features

- Dimensions: 6.0" x 6.4" x 5.2" (153 mm x 163 mm x 133 mm)

- Weight: 4.85 lbs (2.20 kg) device with cover
7.38 lbs (3.35 kg) device with included packing
- Heavy-duty handle for easy carrying and manual deployment, one hand use
- Indicators for power and status
- Indicators and pictograms to guide the user through image capture
- Auto Capture feedback through four LED lights indicating image quality
- Heated platen to eliminate condensation and halo effect (usable by external power only)
- Power by external power supply and by USB 2.0 interface
- Standard USB 2.0 interface, high speed 480 Mbits/s, IP 65 connector
- Optional ambient light shield for use in direct sunlight
- Available in Jump Kit for field deployable ID Management Solutions

Software Features

- Base Level software: L SCAN Essentials 5.4 and higher
- Patented Auto Capture capability for flat and roll fingerprints without operator intervention
- Filters and rejects residual ghost fingerprint images using Perfect Image™
- Perfect Roll™ for rolled fingerprint acquisition, either direction

- Guardian R2 firmware and base level software 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

Guardian R2 Benefits

- Ruggedized ten-print scanner for harsh environment and outdoor use
- 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
- The illumination technique allows the capture of high-quality images regardless of skin color and age
- Auto Capture 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 R2 to accommodate special needs

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