

PRODUCTS

Verifier[®] 310 LC

Single/Dual Finger Scanner



Two fingerprint images are more accurate than one when verifying the identity of an individual.

The Verifier 310 LC is the first optically-based scanner to be FIPS 201 approved for either single or dual fingerprint capture.

The Cross Match[®] Verifier[®] 310 LC is a unique forensic-quality two-fingerprint capture device. The scanner delivers accurate and reliable results for identification, verification and enrollment programs. Compared to a single-finger scan, a Verifier 310 LC image provides enhanced accuracy for identification and verification purposes—while reducing the time necessary to obtain a full enrollment.

The scalable system responds to increased demand for quick and

accurate fingerprint capture, making it an excellent choice for low- and high-volume deployments. For added flexibility, the system can be coupled with the Cross Match Enterprise Matching Server, which enables rapid fingerprint verification. Available with USB 2.0 connectivity, large heated platen and enhanced ambient light rejection, the compact scanner is ready for integration into most biometrically-enabled security installations.

Verifier® 310 LC

Features and Benefits

Verifier products are used in identity verification applications worldwide, such as:

- Border and port security
- Correctional facilities
- Critical infrastructure
- Finance
- Healthcare
- Homeland security
- Identity protection
- Law enforcement and court systems
- Transportation
- Emerging security applications

The Cross Match Verifier product line is built to the worldwide standards of interoperability and RoHS compliance, and is known for superior image quality, consistency from device to device, durability, and low maintenance requirements.

Verifier 310 LC users enjoy:

- Auto sense capability with simplified auto capture
- Unique two-fingerprint capture ability
- Low maintenance requirements
- Durable and portable chassis
- Consistent forensic-quality flat fingerprint images
- No “halo” condensation effect from warm, moist fingers
- Enhanced ambient light rejection
- USB 2.0 increased data transfer rate

- Improved optical system to capture high-quality fingerprints from stained, marked or dark fingers

Verifier 310 LC includes:

- Personal Identity Verification or PIV - certified optics
- Image quality that complies with FBI PIV specifications
- Large active platen area
- High-contrast viewing area
- Lightweight chassis
- Certification for use with and without the Cross Match patent-pending silicone membrane
- Heated platen to eliminate condensation and halo effect
- Under-cut lip for easy hand access
- Raised platen border for natural finger positioning
- I/R filter to improve ambient light rejection
- Ratings: FCC, UL, CE
- Optional bench or kiosk mounts

Verifier SDK Features

- 3 frames/sec image capture
- Compatible with single finger Verifier systems

System Requirements

- *One of the following Operating Systems:*
Windows XP Professional SP2
Windows 2000 Professional SP4
- USB SDK V 4.4 or later

- 1 GHz or higher Pentium IV compatible CPU
- 256 MB RAM
- 50 MB of available disk space
- USB 2.0 compliant ports or USB 2.0 PCI/PCMCIA card

Specifications

Resolution

500 ppi ± 1%

Linearity and Rectilinearity

Less than one pixel (average)

Certification

PIV Specification (July 10, 2006)

Platen Area

1.8" x 1.8" (45.7 mm x 45.7 mm)

Output

Universal Serial Bus (USB 2.0)

Power

Supplied through the USB 2.0 interface (500 mA @5V)

Operating Temperature Range

35°F to 100°F (2°C to 38°C)

Humidity Range

10-90% non-condensing, splash-resistant

Weight

Approx. 1.2 lbs (0.544 kg)

Dimensions (H x L x W)

2.6" x 6.8" x 3.8"
(66 mm x 173 mm x 97 mm)

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