

## DIGITALIZADOR DE HUELLA.



- Los digitalizadores de huella nos permite tener una imagen clara y nítida para diferentes aplicaciones y proyectos.
- Los digitalizadores de huella de alta resolución son usados por entidades de gobierno para poder comparar los registros de huellas digitales con una resolución arriba de los 650 dpi, siendo este el producto con mejor resolución en el mercado para proyectos de registro de huella.

El digitalizador de huella **SecureTouch ® 2000** es una pequeña caja de aplicaciones donde el espacio se restringe y la unidad de la captura se construye en una estructura. El Verificador se usa para capturar imágenes de huella digital en tiempo real, y proporciona rendimiento en la forma de negro y blanco.

Se capturan los detalles de una huella digital con resolución alta y se mantiene la exactitud geométrica. El 300 es fiable y requiere mantenimiento mínimo y calibraciones en sitio.

### **Aplicaciones**

Sistemas de la Comprobación comerciales (Verifique Tarjetas, Alfileres, RF Tags, Otro Biometrics)

Sistemas de Identificación comerciales (Anti-fraude, Aprobación del Miembro, el Mando del Visitante)

Senderos de Auditoría de identidad (Responsabilidad de la Transacción)

Entrada en vigor de la ley y Ejército (Áreas de Seguridad Altas, Correcciones)

**SecureTouch ® 2000** Rasgos:

Área de Platen generosa (1.2" x 1.2")

Contraste alto (ANSI-NIST Compliant)

Requisitos de Mantenimiento bajos

Acompañando Software Elimina Necesidad por la Tabla del Imagen-captura Durable & Portátil

Alta-calidad consistente el Piso Forense las Imágenes Digitales  
Durable en Aplicaciones Comerciales Exigentes (Escuela, Hospital, el etc.)

### **Requerimientos.**

Windows 95, Windows 98, SE, Windows 2000, XP.

1 PUERTO USB.

133 MHz o CPU superior.

32 MB RAM.

10 MB de espacio disponible.

### **Especificaciones**

Resolución 650 DPI.

Función de Traslado de modulación.

Menos de un pixel (promedio).

Uniformidad de iluminación.

Menos de 50% centro de la variación a las esquinas.

Imagen Área / Platen Tamaño 1.2" x 1.2

(30.5 mm x 30.5 mm.

Poder (Digital).

5 V DC (proporcionado por PC)

Rango de temperatura 35°F a 100°F (2°C a 38°C)

Rango de humedad 10-95% salpicadura no-condensador resistente.

Peso. 2.2 lbs (1.00 Kg)

Dimensiones (H x L x W)

2" x 4" x 2.3" (0.7 lbs.)

(53 mm x 158 mm x 60 mm)

BAC **SecureTouch**® **PC** Specifications

Formerly **SecureTouch**® **2000**

### **Software Specifications**

**Operating Systems:** Windows® 95/98/ME/NT4/2000

### **Features**

*Standard:* Device drivers, image acquisition and enhancement, minutia feature extraction, 1-to-1 and

1-to-several authentication, Fingerprint Lab sample app, screen saver, NT GINA/2000 Logon, Win 95/98/ME Logon, and SecureTouch PV - for finger image activated ID and password storage and retrieval.

*Development Toolkit:* All of above plus C/C++ API, ActiveX and Java wrappers, API documentation, sample code, and tech support (incl. SecureTouch PC hardware).

Other applications available separately.

**Enrollment** 1 to 10 images per finger  
< 3 sec. per finger

**Authentication** Typical 1-to-1 match < 1 sec.

### **Hardware Specifications**

#### **Dimensions (W x D x H) & Weight**

*Unit:* approx. 2" x 4" x 2.3" (0.7 lbs.)

6' cable

Packaged: 8" x 9.5" x 2.5" (1.2 lbs.)

#### **Ambient Temperature**

*Operating:* 5° C to 45° C

*Storage:* -40° C to 70° C

#### **Relative Humidity**

*Operating:* 10% to 80% non-condensing

*Storage:* 5% to 90%

**Ambient Light** 0 to 2500 Foot-lamberts

**Certifications** U.S. FCC Part 15 Class B

(Home & Office)

Canadian Interference-causing

Equipment Regulations

European Community CE Mark

**Warranty** Limited 1 year replacement

#### **Hardware Specifications (cont.)**

#### **Finger image capture area**

Oval 1" long x 0.6" wide

#### **Raw Image**

640 x 480 pixels

650 DPI

8 bit gray-scale

### **Export Image**

102KB .BMP

Not required for matching

### **Template**

Up to 64 features stored

480 bytes in 1KB packet

Used for matching

### **Image Processing**

Robust feature extraction for user-friendly image capture. Supports automatic exposure and contrast adjustment for best possible image. Performs encryption of image.

### **Parallel Port Model**

Mode: Supports unidirectional (e.g. standard, SPP, AT) and bi-directional modes (e.g. bi-directional, PS/2, EPP, ECP). Performs faster in bi-directional modes.

Power: 5V DC, 300mA from mouse or keyboard port.

Pass-through: Data pass-through allows printer to be attached to same port. Power pass-through allows mouse or keyboard to be attached to same port.

### **USB Model**

Power: 5V DC, < 100mA, supplied by USB port

Interface: USB 1.1

Full-Speed 12 Mbps

Specifications subject to change.

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[www.biometricaccess.com](http://www.biometricaccess.com)

BAC **SecureTouch**® **PC** Finger image Reader

**SecureTouch PC** is a low cost, easy to use finger image reader that provides enhanced security for computer and/or network access control. For personal computers used by one individual, for multi-user systems where different individuals have different authorities, or for large enterprise networks, SecureTouch PC offers a superior user authentication solution than today's predominant method - passwords. While passwords can be easily compromised or forgotten, finger images are unique, nontransferable and unforgettable. In addition to computer/network access control, other potential uses for SecureTouch PC include kiosk and point-of-sale authorizations, time & attendance, secure e-commerce transactions and a wide range of government-related applications.

**SecureTouch PC features and benefits include:**

- **Price/Performance Value** - Innovative technology enables BAC to deliver a high quality, low cost finger image

reader that provides enhanced security and ease of use. SecureTouch PC is available in two models: USB and Parallel Port.

- **Simple Setup** - SecureTouch hardware and software are easy to install and set up. The USB (Universal Serial Bus) model is plug and play. The Parallel Port model supports pass-through technology, so SecureTouch can share the same port with another device such as a printer.

- **Easy to Use** - SecureTouch PC is intuitively designed to help users achieve proper finger placement. It provides automatic calibration to capture the best finger image, with no user interaction and fast automatic image capture. Each unit is supplied with Fingerprint Lab, a tutorial that helps users understand biometric technology, and practice finger image enrollment and authentication.

- **Flexible & Fast** - Since users can enroll multiple finger images, an injury to one finger or hand does not impede user authentication. One-to-several matching allows an individual to use any of his/her enrolled finger images. And,

typically, finger image verification takes about one second.

□ **Accurate, Safe & Consistent** - BAC's proprietary image enhancement, feature extraction, enrollment and matching algorithms result in a very low False Reject Rate and False Accept Rate. Finger images cannot be recreated using the master template file that is stored for verification. And, because SecureTouch does not require any manual or physical adjustments, it ensures consistent finger image quality over time and from one SecureTouch unit to another.

□ **Robust Functionality** - SecureTouch PC is supplied with various software applications that are ready for use and require no additional programming. In addition to the Fingerprint Lab tutorial application, BAC provides SecureTouch PAL, which offers logon and screensaver functionality for Windows 95/98/ME so users can unlock their systems with a finger image rather than a password. SecureTouch GINA logon is available to control access to single Windows NT 4.0/2000 systems and NT domain controllers. SecureTouch PV (Password Vault) stores IDs and passwords for various files, websites, etc. in an encrypted "vault" and retrieves them when required by the touch of a finger. In addition to SecureTouch software, applications from other vendors are also available.

□ **Facilitates Enterprise-wide Solutions** - The SecureTouch family of products includes Windows 95/98/ME and NT 4.0/2000 support. SecureTouch PC's Parallel Port version supports older model PCs and laptops. The USB version supports newer model PCs and laptops running Windows 98/ME and 2000. Extensive application development support includes a well-defined API with C/C++ interfaces, ActiveX controls and Java Classes, along with Client/Server support. With the capability to enroll and verify over a LAN or the Internet, SecureTouch PC is a superior solution for e-business.

***Biometric Access Corporation, where you.re the key! TM***