

Finger Vein Scanning

Use Finger Vein Scanning to eliminate ID Cards, safeguard members and children, and offer a more convenient user and staff experience. Save money and improve security through the innovative use of biometric software and finger vein readers.

Biometric technology has proven to be the most effective and affordable solution for the safe and orderly management of member information. Organizations are becoming aware of the value of finger vein recognition. A finger vein system such as M2SYS will easily interface into your existing Shelby Check-In, providing instant finger vein scanning capabilities, eliminating the need for passwords, barcode readers, and identification cards.

Features and Benefits

- Eliminate barcode/card scanning or PINs
- Speed traffic through lines
- Instantly retrieve picture and profile information
- Ensure a child arrives and leaves with the correct person
- Eliminate problems caused by lost or stolen cards
- Improve ease-of-use for facility members
- Optimize staff or personnel efficiency
- Reduce staff involvement with member check-in
- Prevent occurrence of member identity fraud
- USB interface



M2SYS Vein Reader

Bundle Pricing

Number of Finger Vein Scanners	Number of Scanned Members	Price	Annual Renewal	Shipping
2	1,000	\$1330	\$15	\$89
6	2,500	\$3040	\$25	\$99
10	5,000	\$4750	\$30	\$109
15	10,000	\$6875	\$35	\$119
25	20,000	\$11050	\$40	\$129

Note: Total price above includes scanners, biometric software and first year support.

A La Carte Pricing

	Price	Shipping
Finger Vein Reader	\$420	\$10
Additional M2SYS Support Incident Credit	\$70	-
Shelby Biometrics Interface	\$199	-

	Number of Scanned Members	Price	Support
Biometric Software	1,000	\$435	\$89
	2,500	\$465	\$99
	5,000	\$500	\$109
	10,000	\$535	\$119
	20,000	\$575	\$129

Frequently Asked Questions

Are there any privacy risks?

None. The M2SYS biometric system does not store a copy of the finger vein image. The software extracts the unique finger vein pattern data from the image for the purpose of identification within a closed environment. It is impossible to recreate a finger vein pattern from this data, and no background check can be performed without the image. Therefore, there are no associated privacy risks. Additionally, the data template itself is 100% encrypted from the time it is captured to the time it is stored in the database.

What are the chances the system will misidentify users?

The M2SYS finger vein system operates in a closed environment with several system parameters configured to maximize both accuracy and performance levels. For example, during enrollment and identification, the system forces the capture of a high quality image with many unique identifying points, which nearly eliminates the chance of error.

What if something happens to an enrolled finger?

During enrollment, the M2SYS system captures finger vein images that can be used to identify an individual. Should something happen to one of the enrolled fingers (i.e., cut, burn, damaged, etc.), the other finger vein image will still serve as an alternate unique identifier. Additionally, an administrator, when necessary, can update any enrolled finger vein image in the system.

How accurate is the finger vein system?

Every person's finger vein contains a unique pattern consisting of what are known as "minutiae points". The orientation of these points within the pattern is what differentiates one finger vein pattern from another. The M2SYS biometric software examines and extracts these unique minutiae points and stores them in the form of a "biometric identity template", which is used during identification. When a maximized finger vein image is captured during enrollment and recognition, the chance of misidentification is almost non-existent.

How long does the enrollment process take?

Enrollment consists of scanning the finger three times consecutively. The scanner automatically captures the image when the finger is placed on it. Capture time for each scan is less than one second. Total enrollment time should take less than 10 seconds.

How long does it take to identify users?

The M2SYS system matches a finger vein pattern at a speed of 20,000 records per second in an optimized, single CPU environment. Unless there are an extraordinary number of stored individuals in the database, the identification process is nearly instantaneous.

What happens if a client surpasses the user limit on their license?

It is a good idea to scale a solution for growth from the very beginning. However, with M2SYS, you do have the flexibility to upgrade to higher user tiers as needed. Please note that the software will stop identifying users once the user threshold limit is reached.