



Upgrade to the next level of security



in personal ID authentication.



The world has witnessed regular evolutions of personal ID authentication devices. Voice recognition, fingerprint analysis, iris scanning, image matching and more. Every successive technology has raised the bar in identity screening accuracy. Every evolving

The hand of technology gives you the most fool-proof identity authentication solution ever.

technology has moved closer to the ultimate goal of error-free performance. Which brings us to the most advanced version in ID screening technology that's miles ahead of every existing alternate available. **The Palmvein Reader.**



- Fingerprints can be manipulated.
- A voice changes in the situation of a cold.
- The iris has to be perfectly steady in order to be scanned.
- A signature can be forged.

Zoom over to the human palm.

Every human palm has a distinctive pattern of veins. The Palmvein Reader uses this unique pattern as its basis for ID screening. The Palmvein Reader packs the technology to identify and record each individual's distinct vein structure in the palm and uses this recorded data for subsequent ID authentication.



Why choose Palmvein Reader?

Greatest ease of use:

All you need to do is hold out your palm

Highest rate of accuracy:

Internal vein structures never change. Therefore, the results will not fluctuate with any number of readings.

Zero possibility of duplication:

Vein structures are among the few things that can never be duplicated.

Works only with 'live' individuals:

Records vein patterns only in live individuals. Therefore, zero possibility of manipulations involving deceased entities.

Applicability at multiple levels:

Ease of use and speed in results make it suitable for mass public /low-risk as well as limited staff/ high-risk zone applications.

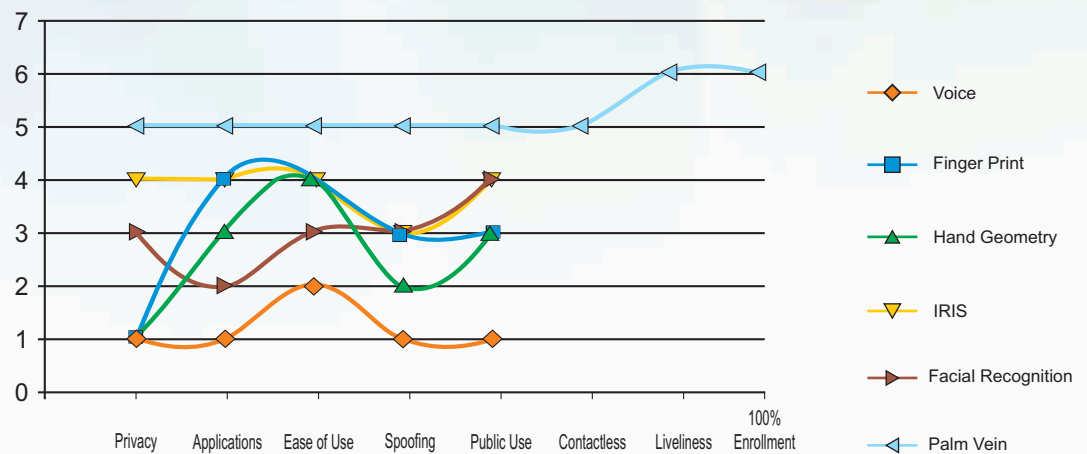
Zero risk of contamination/infection:

Users don't make any contact with the device.

100% enrollment:

No possibility of rejecting any user as can be the case with fingerprint/iris Id authentication

Comparison of Authentication Systems



Comparison of FRR/FAR among Biometrics (Based upon Fujitsu Research)

	Palm Vein (Palm Secure)	Iris	Back Hand Vein	Fingerprint	Hand Geometry	Facial Recognition	Signature	Voice
FRR (False Rejection Rate)	0.01%	0.1%	0.1%	0.1%	0.8%	2.6%	1.0%	3.0%
FAR (False Acceptance Rate)	0.00008%	0.0001%	0.0001%	0.0001%	0.07%	1.3%	1.0%	3.0%

Source: Back Hand Vein www.veid.net Facial Recognition Applied Optics / Feb 2005
 Hand Geometry University of Buffalo / Center of United Biometrics and Sensors Signature / Voice www.hitachi.com / Aug 2005

Application sectors of the Palm Reader

Banks

- * Authentication of Locker users
- * Cash Management authentication

Hospitals

- * Operation Theaters, Laboratories and other restricted areas
- * Patient Identification

Defense/Research Installations

- * Access control to Labs and high priority areas
- * Attendance Management

Corporates

- * Access control to restricted areas
- * Attendance Management

Educational Institutions/Government Establishments/Others

- * Authentication during examination & admission using portable Palmvein Readers
- * Remote location authentication using optional GPS & GPRS interface

Customizability of Palmvein Reader

The Palmvein Reader can come with camera, GPS and GPRS interface as per custom applications.



Palmvein reader is developed by SIFA

Sifa was among the handful of companies to launch Electronic Attendance solutions in India, starting 1986. The initial technology featured the electronic punch card. Subsequently Sifa launched RFID and Finger Print technology based readers with access control provision. Sifa has a wide range of RFID and Finger Print readers for Attendance and Access control, with exit readers, GPRS and camera interface capability.

The company is also engaged in OEM design and supply of vending machine controllers, Electronic Safe controllers, Molding machine controllers, Tractor Cluster, Vehicle Tracking Systems and GSM based temperature / break in alert systems.

The strength of Sifa lies in its professional team equipped with the requisite talent for design, prototyping, manufacturing hardware and design as well as development of application software for Windows and Linux operating systems using latest technologies.

Get the advantage of the Palmvein Reader.

Contact us.

The Palmvein Reader is the future of personal ID authentication devices featuring greater than ever ease of use as well as functional efficacy and accuracy. To know more about this innovation or to make it a part of your daily operations, please call 28809193, 29909099 or write to sales@sifa.com

