



“We would like to thank Yumai for providing us with such advanced palm vein recognition terminals at the center, that are sensitive, secure and easy to use. If you are in need of palm vein algorithms and palm vein devices, choose Yumai and you will get the most advanced palm vein recognition technology to provide your business with an efficient, secure, and easy-to-integrate authentication solution!”

Gillian Ding
COO, Foshan Hong Kong Macau Youth Entrepreneurship



Yumai Palm Vein Identification AI Box

Businesses today are increasingly seeking ways to boost their security measures, both in terms of data and facility access. To improve accuracy and access control to sensitive information and facilities, they are turning to technologies like facial recognition. However, these technologies can create a conflict when trying to balance privacy and security. That’s why Yumai created their Palm Vein Identification solution, a secure and non-intrusive method for identity authentication. The solution utilizes infrared lights to produce and capture veinous shadows from an individual’s palm. The scanned image is run through advanced recognition algorithms to verify an individual’s unique palmar vein features and calculate the similarity of different features with those in the clustered library, detecting left or right handedness, and ensuring secure access while mitigating privacy concerns. This solution utilizes an AI learning engine to ensure low false acceptance rates, low memory consumption, and high search speeds with embedded high-dimensional vector searching.

Enhancing Individual Authentication Privacy Through Palmar Vein Recognition

Key Features



TURBO AI Learning Engine

- Verticals:**
- Transportation
 - Hospitality



Palm Large Scale Vector Engine

Use Case: Situational Monitoring
Country/Geo: East Asia



Palm Data Efficient Search

- Learn more:**
- [Yumai AI Box Product Page](#)
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