Palm Vein Time Terminal
MAI09

MEURON

The system is designed to provide

Higher Security

Exceptional Accuracy

**Palm Vein Recognition Technology
Takes Security and Accuracy to New Heights**

Technical Advantages

High stability of feature information
Vein recognition requires imaging under specific wavelength light sources, making vein information difficult to steal and forge.

Anti-counterfeiting attacks
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Liveness detection
The absorption rate of deoxygenated hemoglobin in flowing blood differs from other tissues under near-infrared light, enabling effective imaging of live veins.

Contactless recognition
It can be used without human-machine contact, convenient for hygiene.

Active recognition
No concerns about privacy leaks or false triggering of recognition

User-friendly
Vein recognition is not sensitive to the surface condition of the skin and is not affected by common skin conditions like peeling or sweat stains, exhibiting good environmental adaptability.

Near-infrared image   Vein image
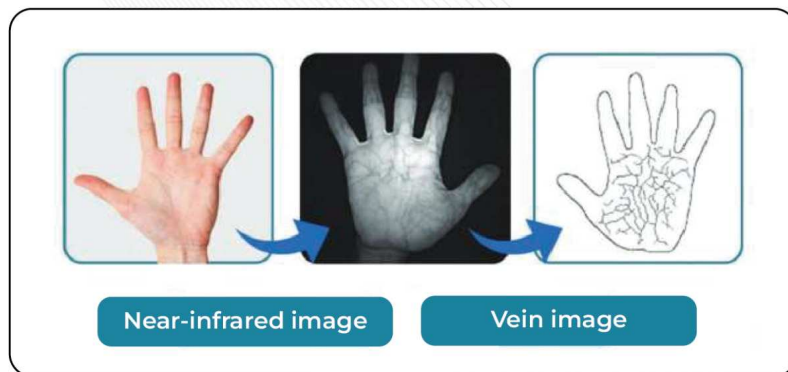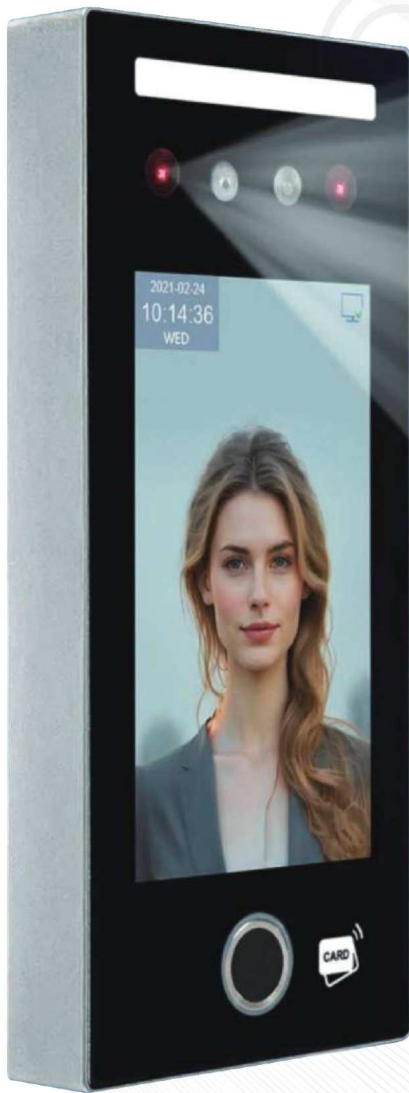
Technical Principle
Palm vein refers to the veins inside the palm. It is the visible veins through the skin of the palm, including all veins within the palm area. Hemoglobin in the red blood cells in the veins is reduced hemoglobin that has lost oxygen and absorbs near-infrared light. Therefore, when near-infrared light is projected onto the palm, only the vein part will have a weak reflection, thus forming the vein pattern image.