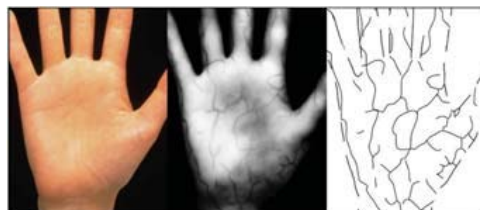# M2-PalmVein™ Reader

## Superior Vein Pattern Recognition System from M2SYS Technology

The M2-PalmVein™ palm vein scanner from M2SYS uses a near-infrared light to create a "vein map" of the users palm to perform highly accurate and secure biometric recognition.

Unlike other forms of biometric technology, the palm vein reader is a robust system that scans beneath the surface of the skin demonstrating a high tolerance of skin surface problems such as dryness, roughness, moisture, or scarring.

## Features and Benefits

### Difficult to Forge
Because vein patterns exist inside of the body, it is practically impossible to recreate someone's biometric template. The sensor needs the hand and blood flow to register an image.

### Contactless
When using the device, the hand does not have to touch the sensor which improves hygienic concerns. For those utilizing the hand guide, the device is easy to clean and keep sanitary without compromising the performance of the actual biometric sensor.

### Capability
Palm vein technology can implemented in both 1:1 and 1:N (one to many) matching environments. M2SYS Hybrid Server™ enables users to implement fingerprint, finger vein, palm vein, and iris recognition technology on the same server platform.

## M2-PalmVein™ Technical Specifications

| Category | Description |
| --- | --- |
| Interface | USB 2.0 / 1.1 (Hi speed or full speed) |
| Power Consumption | 2.5 W or less, <10 MA During Active Scanning |
| False Acceptance Rate | FAR = <0.00008% |
| False Reject Rate | FRR = <0.01% |
| Warranty | 1 year mechanical defect |
| Regulations | Meets US Government Industry Resolution Standards |
| Acoustic Noise | None |
| Resolution | 500dpi |
| Operating Temperature | $5^{O}C$ to $60^{O}C$ |
| Storage Temperature | $-5^{O}C$ to $60^{O}C$ |

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