

Palm Vein Scanner Market Size and Share - Outlook Report, Forecast Trends and Growth Analysis (2025-2034)

Market Report | 2025-08-11 | 162 pages | EMR Inc.

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Report description:

The global palm vein scanner market stood at a value of more than USD 629.23 Million in 2024. The market is further expected to grow in the forecast period of 2025-2034 at a CAGR of 22.30% to reach over USD 4710.58 Million by 2034.

BFSI is Predicted to Hold the Largest Market Share in the Palm Vein Scanner Industry over the Forecast Period

Based on end user, BFSI is expected to hold the largest market share during the forecast period. With the rising level of security breaches, the demand for highly secure identification and verification systems has expanded in the BFSI sector. Various banks and financial institutions are using biometrics technologies such as palm vein scanner technology to provide customers with better and secure access.

North America Predicted to Hold a Significant Market Share in the Palm Vein Scanner Industry

Geographically, North America is expected to account for a significant market share in the palm vein scanner industry. An increasing number of domestic manufacturers and the rapid technological developments are a few of the key factors propelling the expansion of the palm vein scanner industry in the region. Moreover, the region is also observing a growing interest among companies in adopting palm vein scanner systems that use biometric characteristics to identify people.

Palm Vein Scanner Market Segmentation

A palm vein scanner is a biometric device that works by using infrared light to map the vein structure of the user's palm. The technology detects blood flowing through the palm, and it is one of the secure methods for authentication and verification through vein mapping. It uses a vein pattern in the human palm to confirm person's identity.

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By product, the industry can be segmented into:

- Finger Vein Biometrics
- Palm Vein Biometrics

Based on offering, the industry can be bifurcated into:

- Hardware
- Software and Services

On the basis of authentication, the industry can be segmented into:

- Unimodal Biometric System
- Multimodal Biometric System

By functionality, the industry can be divided into:

- Physical Access and Biometric Authentication
- Logical Access and Biometric Authentication
- Embedded System

Based on application, the industry can be categorised into:

- User Identification
- Access Control and Biometric Authentication
- OEM Terminal Devices

The industry can be segmented based on end user into:

- Banking, Financial Services, and Institutions
- Defence
- Government
- Healthcare
- Others

The regional markets for the product include:

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

Growing Demand for Touchless Biometric Systems to Bolster the Growth of the Global Palm Vein Scanner Industry

The global palm vein scanner industry is predicted to grow significantly during the forecast period driven by the ongoing technological advancements, such as the increasing adoption of mobile devices and the rising initiatives taken by governments to

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supply unique identity cards to citizens. Additionally, there has been a rise in preference for touchless biometric systems due to COVID-19. This is expected to enhance the demand for all-in-one biometric solutions and the use of palm biometric smart cards in the forecast period, thus, favouring the market growth.

Key Industry Players in the Global Palm Vein Scanner Market

The report gives a detailed analysis of the following key players in the global palm vein scanner market, covering their competitive landscape, capacity, and latest developments like mergers, acquisitions, and investments, expansions of capacity, and plant turnarounds:

- M2SYS Technology
- Fujitsu Limited
- Recogtech BV
- NEC Corporation
- mofiria Corporation
- ePortation, Inc
- Others

The comprehensive EMR report provides an in-depth assessment of the market based on the Porter's five forces model along with giving a SWOT analysis.

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