

# Global Finger Vein Recognition Module Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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# **Abstracts**

According to our (Global Info Research) latest study, the global Finger Vein Recognition Module market size was valued at US\$ 87.1 million in 2024 and is forecast to a readjusted size of USD 145 million by 2031 with a CAGR of 7.9% during review period.

Finger vein module is a biometric technology based on the vein pattern in the finger. It uses infrared imaging technology to scan the vein network under the finger and extracts the characteristic information of the vein for identity verification. Unlike fingerprint recognition, the characteristics of finger veins are hidden deep under the skin and are not easily damaged or forged, so they have stronger anti-attack capabilities. Finger vein modules are widely used in industries such as finance, medical care, and smart devices because they provide a more accurate and secure means of identity verification.

The finger vein recognition module market has maintained steady growth in recent years. The core driving force comes from high-security demand scenarios (financial payment, medical data management, border security) and the trend of biometric technology substitution. Because it performs live authentication through the distribution of finger veins, it has the advantages of anti-counterfeiting, non-contact, and high precision (error rate less than 0.0001%). The market is mainly dominated by Japanese manufacturers, but Chinese manufacturers (such as Weidun Technology and Shengdian Technology) have rapidly penetrated under cost optimization and policy promotion, and the localization rate has increased to 30%. On the application side, the Asia-Pacific region (China, Japan and South Korea) accounts for more than 60% of the demand, and Europe and the United States have a slower growth rate due to strict privacy regulations. In the future, with the miniaturization of modules (integrated into smart door locks, POS terminals) and the optimization of AI algorithms, the civilian



market (smart home, in-vehicle identity authentication) will become a new growth point, but high costs and insufficient user awareness remain the main challenges.

This report is a detailed and comprehensive analysis for global Finger Vein Recognition Module market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

## Key Features:

Global Finger Vein Recognition Module market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Finger Vein Recognition Module market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Finger Vein Recognition Module market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Finger Vein Recognition Module market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Finger Vein Recognition Module

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace



This report profiles key players in the global Finger Vein Recognition Module market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Hitachi, Fujitsu, ZKTeco, Shenzhen Simbatec Technology, CAMABIO, Wedonetech, Top Glory Technology, AthenaEyes, Toyonway, Mofiria, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Finger Vein Recognition Module market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Top Lighting

Double Side Lighting

Market segment by Application

**Smart Home** 

**Smart Finance** 

Security

Other

Major players covered

Hitachi





Global Finger Vein Recognition Module Market 2025 by Manufacturers, Regions, Type and Application, Forecast to..



price, sales quantity, revenue, and global market share of Finger Vein Recognition Module from 2020 to 2025.

Chapter 3, the Finger Vein Recognition Module competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Finger Vein Recognition Module breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025.and Finger Vein Recognition Module market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Finger Vein Recognition Module.

Chapter 14 and 15, to describe Finger Vein Recognition Module sales channel, distributors, customers, research findings and conclusion.



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