

Global Optical Invisible Fingerprint Sensors Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Optical Invisible Fingerprint Sensors market size is expected to reach \$ 3344 million by 2032, rising at a market growth of 4.1% CAGR during the forecast period (2026-2032).

The optical invisible fingerprint sensor is a new type of biometric technology that combines optical imaging with under-screen integrated design, aiming to achieve high-precision fingerprint recognition while improving the integration and aesthetics of the device's appearance. This technology hides the sensor under a high-transmittance display such as OLED. When the user's finger touches a specific area of the screen, the screen light source will illuminate the fingerprint area, and the reflected light will pass through the screen structure to the optical sensor below, thereby capturing the fingerprint pattern image and performing image processing and comparison. This technology has high requirements on the optical properties of the screen material, light transmittance uniformity, and module packaging process, and is suitable for mid-to-high-end smartphones, tablets and other devices.

This report studies the global Optical Invisible Fingerprint Sensors production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Optical Invisible Fingerprint Sensors and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Optical Invisible Fingerprint Sensors that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Optical Invisible Fingerprint Sensors total production and demand, 2021-2032, (K Units)

Global Optical Invisible Fingerprint Sensors total production value, 2021-2032, (USD Million)

Global Optical Invisible Fingerprint Sensors production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Optical Invisible Fingerprint Sensors consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Optical Invisible Fingerprint Sensors domestic production, consumption, key domestic manufacturers and share

Global Optical Invisible Fingerprint Sensors production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Optical Invisible Fingerprint Sensors production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Optical Invisible Fingerprint Sensors production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Optical Invisible Fingerprint Sensors market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Synaptics, CrucialTec, Goodix Technology, Beijing Chipone Technology, Beijing GigaDevice, Egis Technology, Fingerprint Cards, NEXT Biometrics, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Optical Invisible Fingerprint Sensors market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Optical Invisible Fingerprint Sensors Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Optical Invisible Fingerprint Sensors Market, Segmentation by Type:

Lens Type

Ultra-thin Type

Global Optical Invisible Fingerprint Sensors Market, Segmentation by Application:

Smartphone

Tablet

Smart Door Lock

POS Terminal

Others

Companies Profiled:

Synaptics

CrucialTec

Goodix Technology

Beijing Chipone Technology

Beijing GigaDevice

Egis Technology

Fingerprint Cards

NEXT Biometrics

Key Questions Answered:

1. How big is the global Optical Invisible Fingerprint Sensors market?
2. What is the demand of the global Optical Invisible Fingerprint Sensors market?
3. What is the year over year growth of the global Optical Invisible Fingerprint Sensors market?
4. What is the production and production value of the global Optical Invisible Fingerprint Sensors market?
5. Who are the key producers in the global Optical Invisible Fingerprint Sensors market?
6. What are the growth factors driving the market demand?

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