

Global Optical Under-Screen Fingerprint Recognition Market 2025 by Company, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Optical Under-Screen Fingerprint Recognition market size was valued at US\$ 1878 million in 2024 and is forecast to a readjusted size of USD 2793 million by 2031 with a CAGR of 5.1% during review period.

Optical under-screen fingerprint recognition is widely used in modern smartphones and tablets. This technology integrates a micro camera and light source under the screen, and uses an optical sensor to capture the fingerprint image of the user's finger to achieve unlocking and authentication functions. When the user places his finger on the screen, the light-emitting layer at the bottom of the screen illuminates the fingerprint area, and the optical sensor captures a high-resolution fingerprint image and compares it with the pre-stored data.

This report is a detailed and comprehensive analysis for global Optical Under-Screen Fingerprint Recognition market. Both quantitative and qualitative analyses are presented by company, 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 Optical Under-Screen Fingerprint Recognition market size and forecasts, in consumption value (\$ Million), 2020-2031

Global Optical Under-Screen Fingerprint Recognition Market 2025 by Company, Regions, Type and Application, For...

Global Optical Under-Screen Fingerprint Recognition market size and forecasts by region and country, in consumption value (\$ Million), 2020-2031

Global Optical Under-Screen Fingerprint Recognition market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2020-2031

Global Optical Under-Screen Fingerprint Recognition market shares of main players, in revenue (\$ Million), 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 Optical Under-Screen Fingerprint Recognition

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 Optical Under-Screen Fingerprint Recognition market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Synaptics, Goodix Technology, Egis Technology, Beijing GigaDevice, Shanghai OXi Technology, VKANSEE, Focaltech Electronics, etc.

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

Market segmentation

Optical Under-Screen Fingerprint Recognition 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. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

CMOS Optical Solution

TFT Optical Solution

Market segment by Application

Smartphone

Tablet

POS Terminal

Others

Market segment by players, this report covers

Synaptics

Goodix Technology

Egis Technology

Beijing GigaDevice

Shanghai OXi Technology

VKANSEE

Focaltech Electronics

Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)

South America (Brazil, Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Optical Under-Screen Fingerprint Recognition product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Optical Under-Screen Fingerprint Recognition, with revenue, gross margin, and global market share of Optical Under-Screen Fingerprint Recognition from 2020 to 2025.

Chapter 3, the Optical Under-Screen Fingerprint Recognition competitive situation, revenue, and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with consumption value and growth rate by Type, by Application, from 2020 to 2031

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2020 to 2025. and Optical Under-Screen Fingerprint Recognition market forecast, by regions, by Type and by Application, with consumption value, from 2026 to 2031.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Optical Under-Screen Fingerprint Recognition.

Chapter 13, to describe Optical Under-Screen Fingerprint Recognition research findings and conclusion.

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