

TECHNOLOGY, MEDIA & TELECOM ABSTRACT

Display Fingerprint Technology and Market Report - 2018

Calvin Hsieh, Director

ACTUALS AND FORECAST

Frequency, Time Period

Annual update

Measures

Shipment, revenue and ASP by:

- Biometric type (display fingerprint, discrete fingerprint, iris recognition, 3D facial recognition)
- Sensing principle (capacitance, ultrasound, CMOS image sensor, optical imaging, depth sensing for 3D facial recognition)
- Sensing technology for principles
- Sensor area (fixed, half, full)
- Sensor location (under-, on-, in-display)
- Sensor Rx process (silicon, TFT)
- Multi-finger support (single, multiple)

Fingerprint module cost models by:

- BOM with detailed parts (sensor, supportive parts, controller, package, FPC, etc.)
- Module assembly's gross profit

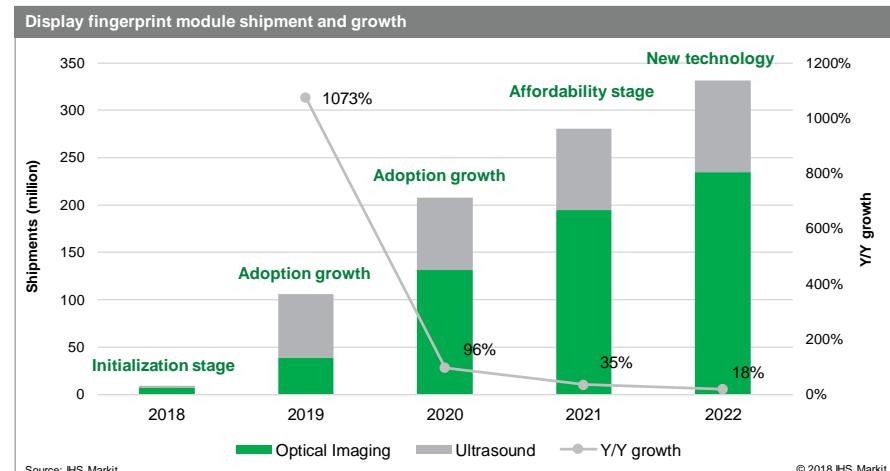
PRODUCTS COVERED

- Mobile phone
- Tablet PC
- Notebook PC

Display fingerprint technology is to combine or integrate fingerprint module with the display so that it can offer invisible and front-side fingerprint sensing on the smartphones with 18:9 (or higher ratio) full-screen displays.

The annual Display Fingerprint Technology and Market Report provides a comprehensive analysis of emerging display fingerprint solutions including technology, development roadmap, supply chain, competition and market forecast. The report also covers other biometric sensing technologies such as iris recognition and 3D facial recognition (ex. Apple Face ID) to provide profound competition analysis.

Besides technology and supply chain information, the market forecast has detailed technical parameters in the pivot tables to describe both market and technology trends. The report totally has more than 140 pages and many illustrations, as the most complete understanding and tracking on the latest display fingerprint sensing adoption.



Key Issues Addressed

- Display fingerprint technology and development trends
- Display fingerprint supply chain from solution, display to assembly
- Display fingerprint solutions' evolution and roadmap
- Competition of emerging biometric sensing technologies including fingerprint, iris and facial recognition
- Adoption issues for major set applications, brands and end users
- Quantitative market analysis and description with the comprehensive pivot-based forecast.

Applicable To

- Fingerprint IC makers
- Panel makers
- IT/CE brands, OEMs, ODMs
- Module assembly makers
- Related material makers
- Semiconductor wafer and package
- Product marketing/strategic planning managers
- Marketing intelligence managers
- Product marketing managers
- R & D managers
- Procurement managers
- The investment community

Lead analyst

Calvin Hsieh - Director

Calvin Hsieh is a research director at IHS. He has more than a decade of experience crafting strategies and managing product lines at leading display organizations across the globe. Prior to joining DisplaySearch, Calvin was the product marketing director at Provieu Electronics, one of the world's largest LCD monitor and TV manufacturers. His past experiences also include imaging software development, e-commerce and display-related industry.

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