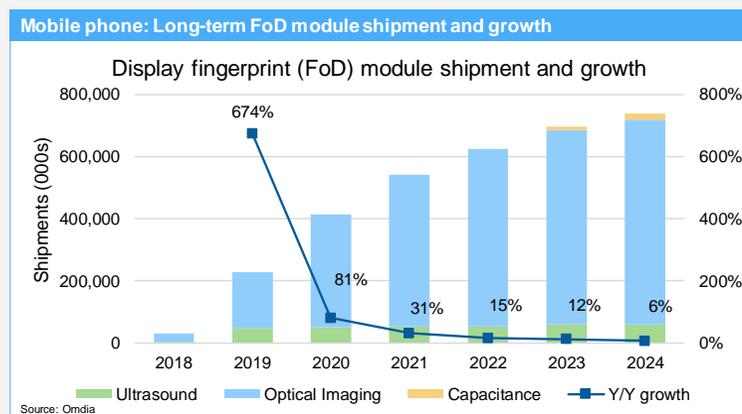# Display Fingerprint Technology & Market Report - 2021

Part of the Small & Medium Displays & Touch Interface Service Area Coverage

Calvin Hsieh, Director

Planned to Publish in May 2021

Display fingerprint (FoD) technology is to combine or integrate fingerprint module with the display so that it can offer invisible and front-side fingerprint sensing on with full-screen displays and increase the add-on value to the displays.

The annual Display Fingerprint Technology and Market Report provides a comprehensive analysis of emerging FoD solutions including technology development, supply chain status, market competition, cost model, historical shipment surveys and market forecast. Besides CIS-based and ultrasonic solutions, TFT-based display fingerprint solutions including existing add-on (under-display or under-cell) and emerging embedded types (in-cell FoD inside the display) are also focused. Not only technology and supply chain information, but the market forecasts have also detailed technical parameters in the pivot tables to describe both market and technology trends. The report totally has more than 140 pages and many technical illustrations, as the most complete understanding and tracking on the latest display fingerprint sensing adoption.

Mobile phone: Long-term FoD module shipment and growth

Display Fingerprint Technology Market Report – 2021 | OMCDDFTMR21

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Information Classification: General

Report Coverage

KEY ISSUES ADDRESSED	COVERAGE		COVERAGE	APPLICABLE TO

KEY ISSUES ADDRESSED

- Optical imaging CIS solution update including lens and microlens types
- Ultrasonic TFT solution update
- Optical imaging TFT solution update
- Optical imaging solutions for TFT LCD
- Embedded FoD solution development
- Supply chain information including makers and manufacturing process
- BOM-level module cost modeling
- Quantitive market analysis and description with the comprehensive pivot-based forecast.

COVERAGE

Frequency, Time Period
Annual update

Measures
FoD shipment, revenue and ASP by:
- Technology (optical imaging, ultrasound, capacitance, etc.)
- Sensor structures for technology
- Sensor Rx circuitry (CIS, TFT)
- Sensor location (under-display, under-cell, on-cell, in-cell)
- Display applied: OLED, TFT LCD
- Sensing area (single, half or full)
- Application: Mobile phone, tablet PC, notebook PC

Fingerprint module cost models by:
- BOM with detailed parts (sensor, parts, algorithm, controller, FPCB, etc.)

Products Covered
- Mobile phone
- Tablet PC
- Notebook PC

COVERAGE

End User Markets
- Consumer
- Enterprise
- Industrial
- Public Safety
- Healthcare
- Sports
- Others

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

APPLICABLE TO

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

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Omdia is a global technology research powerhouse, established following the merger of the research division of Informa Tech (Ovum, Heavy Reading, and Tractica) and the acquired Omdia technology research portfolio.* We combine the expertise of more than 400 analysts across the entire technology spectrum, covering 150 markets. We publish over 3,000 research reports annually, reaching more than 14,000 subscribers, and cover thousands of technology, media, and telecommunications companies. Our exhaustive intelligence and deep technology expertise enable us to uncover actionable insights that help our customers connect the dots in today's constantly evolving technology environment and empower them to improve their businesses–today and tomorrow.

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