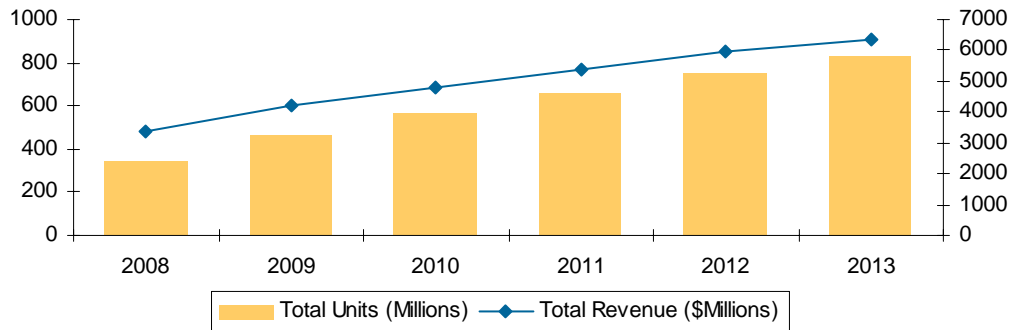


Touch Screens

By Jennifer Colegrove, Ph.D. Senior Analyst

An iSuppli Special Report

Please Touch the Screen



Touch screens, are display overlays that have the ability to display and receive information on the same screen. As prices for these panels has decline steadily in the past decade, touch screen panels have become more and more commonplace. This report will include a full assessment of about 20 touch screen technology options—resistive, surface capacitive, projected capacitive, surface acoustic wave, infrared, sensor-in-pixel, active digitizer, optical imaging, bending wave, active digitizer, strain gauge (force sensing), DuoSense, multi-touch, 3D touch, polymer waveguide, and others.

This report also will feature market analysis of touch screen technology on about 15 applications including mobile phones, PDAs, MP3/PMP, navigation devices, office printer, tablet/notebook computers, small screen PC (less than 10 inches), retail, industry/finance, game/entertainment, public kiosk/POI, medical/health care, education/training, and other applications. It will discuss relevant criteria for selecting a touch screen technology to meet product design requirement as well as the forecast for price and volume of the technology for the next five years. Fingerprint sensor is analyzed as a separate chapter.

What's New in the 2008 Report?

- Revised and Extended Forecast through 2013
- New Applications—MP3/PMPs and Office Printers
- New Sensor-in-Pixel Forecasts
- Screen Size Forecasts—<3 inch, 3.x-4.x, 5.x-9.x, 10.x-15.x, 16.x-19.x, 20.x-29.x, 30.x-49.x, and >50.x inches
- New Fingerprint Sensors Chapter
- Market Size by Sensor, Controller IC and Software
- Rankings—Top Touch Screen Sensor Volume Shipment Companies and Top Touch Screen Module Revenue Companies
- Area of Touch Screen by Application and Technology
- More Profiles of Touch Screen Module Companies—Over 150
- More Touch Screen OEM/integrator Companies Included—Over 380
- Analysis of Touch Screen for Flexible Display y Touch Technology
- Supply/Demand Analysis
- Dual-Input (Finger and Pen) Analysis
- Sunlight Readability Improvement Analysis
- Expanded Multi-Touch Analysis

Critical Questions Answered

- What is industry size and the forecast growth for touch screens?
- What touch screen technology types are most competitive?
- What challenges exist for each touch screen technology?
- How to select the best technology for your application?
- Where does the technology fit best with a variety of applications?

Who Should Read This Report?

- Touch screen manufacturers
- Touch screen display manufacturers
- OEM/integrator who uses touch screen
- People who need information to make the selection decision on touch screen
- New business/new technology assessment, strategic planning
- Investment community, venture capital firms
- Market analysts

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2008

Forecast

- Frequency, Time Period
 - 2006-2013
- Regions and Markets Covered
 - Worldwide
- Measures
 - Units
 - ASP
 - Value
 - Area
- Detail Level
 - Forecasts by 8 levels of screen size (<3 inch, 3.x-4.x, 5.x-9.x, 10.x-15.x, 16.x-19.x, 20.x-29.x, 30.x-49.x, >50.x inches)
 - Market revenue by sensor, controller IC and software

Applications and Products Covered

- Mobile phone
- PDA
- Tablet/notebook PC
- Small screen PC
- MP3/PMP
- Office printer
- Portable and in-car navigation system
- Industrial/Financial
- Public kiosk/POI
- Medical/healthcare
- Education/training
- Retail
- Gaming/entertainment
- Others (military, government, house, automation, camera, etc)
- Fingerprint sensor

Technologies Covered

- Resistive
- Surface capacitive
- Projected capacitive
- Surface acoustic wave (SAW)
- Infrared
- Optical imaging
- Bending wave (include acoustic pulse recognition and dispersive signal technology)
- Active digitizer
- Sensor-in-pixel
- Emerging touch screen technologies
- Touch screen materials
- ITO replacement

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Jennifer is responsible for research, strategic analysis and report on emerging display technologies, including touch screen, bi-stable display, low power display, near-eye display, pocket projectors, head-up display, flexible display, 3D, FED and OLED. She also performs custom research studies and technology due diligence.

Before joining iSuppli, Dr. Colegrove was a senior display engineer at Intel Corporation. She was responsible for the display technologies from LCD, OLED to bi-stable displays, from two-inch small size displays to 17-inch LCDs for notebook PCs. She has performed technology due diligence for Intel Capital, investigating new investments in outside companies. Her projects also include display search and technology leadership for the Intel Concept PC. Jennifer was also a member of the Intel Mobile IP committee, which reviewed all display-related patent applications.

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