



IHS Markit™



NAVIGATION
VERSION

TECHNOLOGY

Displays

End-to-end research on the entire display industry, with detailed coverage of the supply chain, materials and components, equipment, touch panels, shipments, pricing, supply, demand, and cost modeling.

Research Type Description

INTELLIGENCE SERVICES

Real-time access to continually updated market data and forecasts, analyst insights, topical research reports and analyst presentations.

MARKET TRACKERS

Regular periodic analysis and forecasts designed to provide timely visibility into relevant market and technology trends.

REPORTS

Topical reports addressing key focus areas with in-depth analysis on market and technology trends.

CUSTOM & CONSULTING

Meaningful analysis and action-oriented recommendations for custom cases and consulting, building on extensive IHS data and recognized industry experience.

Large Displays

The supply chain for large-area displays presents a number of opportunities and challenges for industry players. Competition between panel makers outside the top five will become tougher as more capacities come online over the next two to three years, mainly in China. And as shipments have declined in recent years and inventory levels rise and fall, makers are adjusting strategies by refocusing instead on increasing area volume. Given continually rising costs as well as evolving technologies and applications in the large-area display space, access to reliable and comprehensive information is even more critical in order to identify and support growth opportunities.

IHS provides in-depth and complete research on the large-area market for displays with a diagonal measurement of over 9 inches, used in products including TVs, tablets, notebooks, and monitors. Subscribers can also expect expansive and timely updates on both worldwide and regional fronts for display shipments, forecasts, sizes, pricing, and costs, alongside the most current technology roadmaps of display suppliers.

Large Displays

LARGE AREA DISPLAY PRICE TRACKER

Monthly panel price updates for large area applications, including notebooks, LCD monitors, and LCD TVs. With 6 months of results and 12 months of forecasts, the tracker offers a useful overview of the large area display market. Also provided is detailed coverage of features for large area displays including size, resolution, BLU type, slim type, frame rate, and interface.

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LARGE AREA DISPLAY PRODUCTION STRATEGY TRACKER

Quarterly coverage of production plans for panel makers in each fab generation, covering suppliers, display technologies, applications, and sizes. Also included are large area AMOLED production plans aside from those for TFT LCD. Subscribers gain access to historical results as well as forecasts showing detailed production mixes and fab loading for each panel maker.

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LARGE AREA DISPLAY MARKET TRACKER

Monthly and quarterly research surveying all large area panel makers, covering the entire range of large area display panels shipped worldwide and regionally. The monthly deliverable provides the previous month's results with a detailed breakdown, while the quarterly highlights historical shipments and forecasts of the rolling four quarters for each panel maker.

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LARGE AREA DISPLAY PRODUCT ROADMAP TRACKER

Quarterly coverage of the latest technology trends and panel product developments shaping the display industry. Subscribers can stay current on product pipelines from suppliers and competitors alike, with coverage of the latest technologies and emerging trends helping to enable forward planning. Trends are analyzed by application, panel size, and format.

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Large Displays

DISPLAYS PRODUCTION AND INVENTORY TRACKER

Monthly coverage on the status of displays fab management, production, shipment, and inventory. Details include design capacity, glass input, and utilization rate by each LCD fab, as well as shipments categorized by application, size, and resolution. Also includes estimated TV and IT panel inventory tracking as well as forecasts for each panel maker.

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TV DISPLAY INTELLIGENCE SERVICE

The most comprehensive service for all aspects of displays utilized for TVs. Updated in real time, the service tracks panel shipments, OEM production and forecasts, supply chain matrix, panel prices, feature trends, supply and demand, global market trends, and more. This is “must-have” analysis if your business is involved in the TV industry.

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LARGE AREA DISPLAY COST MODEL

Quarterly coverage of panel cost structure, forecasts, and profitability of each mainstream panel for display applications, including LCD TVs, monitors, and notebooks. The simulation-enabled parametric cost model offers users the flexibility to generate different forecasts based on their own data inputs and assumptions. The cost model also enables users to change parameters such as component costs, panel prices, panel yield, and fab utilization can also be changed to fine-tune costs, reflecting actual panel conditions.

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Small & Medium Displays

In the ever-fluid market for small and medium displays, new technological advances and the outsize influence of big industry players continually roil a shifting landscape. There is increasing likelihood, for example, that AMOLED technology will lead growth in the space, driven by demand for high-end smartphone displays. Meanwhile, leading suppliers are maintaining share by shipping low-priced cells and LCD modules in large amounts to the Chinese market. And beyond smartphones, automotive demand is gaining force in the supply chain as auto makers require more displays. As the competition continually rises on costs, technologies, applications, and many other aspects of the large area display market, it is now critical to access reliable and comprehensive information to identify and support growth opportunities.

IHS offers focused and insightful analysis on the market for small and medium displays featuring a diagonal measurement of under 9 inches, utilized in devices including smartphones, tablets, wearables, and automotive displays. Research covers the suppliers of both LCD and OLED displays as well as their supply chains, cost structures, and market strategies.

Small & Medium Displays

SMARTPHONE DISPLAY INTELLIGENCE SERVICE

A comprehensive offering that covers all aspects of displays utilized in smartphones. This service, updated in real time, tracks and forecasts smartphone display shipments, reports display prices, analyzes the supply chain, and furnishes detailed cost breakdowns of selected smartphone display sizes and resolutions, for both LCD and OLED. This is “must-have” analysis if you are a player in the smartphone market.

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SMARTPHONE & TABLET DISPLAY COST MODEL

Quarterly research on all smartphone as well as tablet LCD module and cell cost structure, forecasts, and profitability for each mainstream panel. The simulation enabled parametric cost model offers users the flexibility to generate different forecasts based on their own data inputs and assumptions. Parameters such as component costs, panel prices, panel yield, and fab utilization can also be changed to fine-tune costs, reflecting actual panel conditions.

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TABLET & NOTEBOOK DISPLAY INTELLIGENCE SERVICE

A comprehensive service covering all aspects of displays utilized in tablets and notebooks. This offering, updated in real time, tracks panel shipments in detail as well as OEM production and forecasts, the supply chain, panel prices, feature and global market trends, supply and demand, and much more. This is “must-have” analysis for notebook and tablet industry players.

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OLED DISPLAY MARKET TRACKER

Quarterly research on OLED displays shipped worldwide and regionally, with the industry’s most insightful look at historical shipments and forecast projections for the OLED display market. Also included are new OLED applications, models, product trend analysis, and OLED panel-maker strategies.

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Small & Medium Displays

SMALL MEDIUM DISPLAY MARKET TRACKER

Quarterly tracking of shipment and revenue for all small and medium displays. Also provided are display shipments categorized by application, size, resolution, and display technology, including 4-year quarterly forecasts and additional 3-year annual forecasts.

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WEARABLE DISPLAY MARKET & TECHNOLOGY REPORT

Annual research providing comprehensive analysis of the wearable display market and technology developments for this hot space.

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SMALL MEDIUM DISPLAY SUPPLY CHAIN TRACKER

Quarterly coverage of supply chain relationships between small and medium display suppliers and their set makers. The tracker provides shipments from display suppliers to set makers, segmented by quarter and application. Users can mix and match information on display suppliers, set makers, applications, and display technologies to arrive at analysis borne out of various combinations.

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AUTOMOTIVE DISPLAY MARKET TRACKER

Quarterly data and analysis of the global market for automotive displays, categorized by unit, area, value, and average-selling price, with details on applications, technologies, display sizes, and pixel formats. Also provided are key market trends and insights into the automotive supply chain, including Tier 1 display system integrators.

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Display Manufacturing & Supply Chain

The display manufacturing process for both panel makers and suppliers continues to evolve in the face of new components and technologies. Thus, it is essential to understand how changes affect display supply-and-demand variables, while also taking into account market-moving or influential signifiers, including trending industry developments, global patterns of consumption, and disruptive flows of capital or investments.

IHS offers close and accurate tracking of display supply and demand with detailed treatment of technology developments that impact the display landscape. Industry-leading coverage of display supply chain data and analysis is offered for all major display-enabled applications that track supplier relationships from panel makers to OEM/ODMs to brands.

Display Manufacturing & Supply Chain

AMOLED & FLEXIBLE DISPLAY INTELLIGENCE SERVICE

This service offers the most frequent and complete analysis of the AMOLED display industry, including the market dynamics of shipments, revenues, price trends, brand demand trends and the competitive landscape.

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DISPLAY DYNAMICS INTELLIGENCE SERVICE

Timely information and analysis covering major issues in the display industry, with over 20 insights provided per month. Quick and speedy analysis is delivered on current hot topics and developments in the LCD and OLED industries, and on display applications such as smartphones, tablets, TVs, monitors, notebooks, public displays, and handheld applications.

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DISPLAY SUPPLY DEMAND & EQUIPMENT TRACKER

Quarterly coverage of fab activity, capacity, utilization, supply/demand, capital spending, and financial information, and also includes relevant news for the entire flat-panel display supply chain. Providing coverage of all industry participants and key analytical metrics, this tracker delivers the most current and complete view of both the supply and demand sides of the industry.

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DISPLAY DYNAMICS INTELLIGENCE SERVICE - PREMIUM

The premium version of the Display Dynamics Intelligence Service, which offers a more detailed examination of the overall display market. Covering all display applications, the service offers a high-level view of display shipments, inventory, prices, fab utilization, supply chain, OEM/ODM production and shipments, set inventories, and component supply/demand. Additional premium deliverables include a monthly market brief and database, as well as client presentations.

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Display Manufacturing & Supply Chain

OLED DISPLAY COST MODEL

Quarterly coverage of all OLED panels utilized in smartwatch, smartphone, tablet, and TV applications, categorized by cost structure, forecast, and profitability for each mainstream panel. The simulation-enabled parametric cost model offers users the flexibility to generate different forecasts based on their own data inputs and assumptions. Parameters such as component costs, panel prices, panel yield, and fab utilization can also be changed to fine-tune costs, reflecting actual panel conditions.

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MONITOR DISPLAY SUPPLY CHAIN TRACKER

Quarterly coverage of supply chain relationships among panel makers, OEM/ODM subcontract manufacturers, and brands. This tracker provides the most detailed and comprehensive supply chain data for LCD monitors, utilizing actual shipments. Also covers the relationship between suppliers and brands, categorized by panel size and OEM volume.

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OLED TECHNOLOGY MARKET TRACKER

Semiannual analysis and in-depth examination of the OLED technology and market, as well as display supplier strategies. Detailed supply and demand issues are covered in addition to supplier analysis pertaining to developing OLED strategies, cost breakdowns, technical roadmaps, manufacturing processes, supply chain, and intellectual property.

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FLEXIBLE DISPLAY MARKET TRACKER


Semiannual report on the flexible display market, provided through deep and thoughtful analysis of industry trends, the status of players in the space, and technology issues. Long-term forecasts as well as new emerging applications using flexible displays are covered. Also provided are cogent assessments of components, material, and equipment providers within the flexible display supply chain.

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DISPLAY LONG-TERM DEMAND FORECAST TRACKER

Quarterly worldwide shipments and forecasts for all major flat-panel display applications. Viewed as the bible of the flat-panel display industry, this tracker covers all types of display technologies, features, sizes, resolutions, units, prices, revenues, and areas.

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Display Materials & Components

The advent of new form factors, weight efficiencies, and technological advances into new application areas have commensurate impacts on display components and materials. Quantum dot technology, for instance, has gained greater attention as OLED is finally meeting the cost requirements provided historically by LCD.

IHS offers wide-ranging research on key components of the display space, including materials such as glass, film, driver integrated circuits (IC) and backlights, as well as on the critical ingredients used in LCD and OLED manufacturing. Also included is well-timed, critical analysis on vital market indicators like supply and demand, technology trends, value chains, and cost structures.

Display Materials & Components

OLED MATERIALS MARKET TRACKER

Quarterly research on OLED materials and demand. Revenue forecasts and critical insights into OLED display makers' supply chain activities enable clients to identify market opportunities and challenges. Also provided is a comprehensive OLED materials technology review categorized by device structure, material type, deposition method, and luminescent mechanism.

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DISPLAY DRIVER IC MARKET TRACKER

Quarterly research on shipments, prices, revenues, supply chain dynamics, wafer foundries, new technologies, interfaces, display resolutions, and other variables that influence driver integrated circuits across all applications. The tracker provides detailed quarterly analysis of the TFT LCD driver IC market for all flat-panel display market segments, while also supplying important information on the companies and technologies participating in this space.

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WIDE COLOR GAMUT MARKET TRACKER

Semiannual coverage of the wide color gamut market, including quantum dot technology. Also examined are the manufacturing processes of various wide color gamut technologies as well as development trends, market issues, and overall shipments to different applications.

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DISPLAY BACKLIGHT MARKET TRACKER

Quarterly coverage of the entire value chain for large-area TFT LCD backlights. The service tracks shipments and analyzes the relationships among backlight suppliers, panel makers, LED makers, and backlight makers. Also provided are new technology developments; industry news; and trends in prices, supply/demand, and cost structures.

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Display Materials & Components

DISPLAY GLASS MARKET TRACKER

Quarterly research on capacity, shipments, new glass tank schedules, volumes by location and supplier, glass substrate supplier and panel maker relationships, supply/demand analysis, price, revenues, and new glass substrate product trends. Also included is coverage of supplier capacity, shipments, prices, demand forecasts, touch cover glass, and much more.

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AMOLED ENCAPSULATION MATERIALS REPORT

Annual research on different encapsulation materials utilized in AMOLED displays.

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AMOLED DEVICE STRUCTURE REPORT

Annual research on developments in AMOLED display devices produced by Samsung Display and LG Display. Also covered in detail is the supply chain for device materials as well as applications, development status, and M.P. planning.

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DISPLAY OPTICAL FILM MARKET TRACKER

Quarterly coverage of polarizer and backlight-related film for TFT LCDs shipments, market share, capacity changes, value chain relationships, prices, supply/demand, revenue, technology developments, and cost-reduction efforts. Also included are demand and revenue forecasts, market share analysis, and price and cost analysis.

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DISPLAY CHEMICAL MATERIALS REPORT

Annual research on the top seven chemical materials used in LCD manufacturing. The key materials include photoresist, etchant, stripper, and developer, which are deployed in manufacturing both TFT arrays and color filters. The remaining three are RGB resist, resin BM, and photo spacer, utilized in making color filters. The report offers analysis of global demand trends categorized by region, major panel maker, and production line.

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Touch & Interface

The growing popularity of touch panels in smartphones, tablets, and other devices offers promising and exciting prospects alongside specific technical specifications and demanding market considerations with which to contend. While touch makers are looking to India for growth in smartphone applications and large tablets overall have generated interest, on the other hand smaller tablets continue to decline and the smartwatch market has been relatively slow due to delayed product launches.

IHS offers substantive research on touch-panel and touch-interface technologies, including sensor structures, applications, module areas, and cost models. Also included are surveys and profiles from panel makers, as well as full analysis of competitive strategies and timely appraisals of the latest industry trends.



Touch & Interface

TOUCH PANEL MARKET TRACKER

Quarterly comprehensive analysis of touch panel technologies, sensor structures, applications, module area, cost models, and market forecasts. IHS surveys and profiles more than 100 makers of touch panel modules (including add-on types and embedded types from panel makers) to produce this tracker. Shipments and revenues of over 100 touch panel makers are included.

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TOUCH SENSOR TECHNOLOGY & MARKET REPORT

Annual survey results of touch sensor production, a 3-year sensor market forecast, information on sensor structure evolution, and trends in new ITO replacement materials. Also included are critical insights into competitive strategies, capacity, and investment, along with historical trends and demand forecasts by touch sensor structure.

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AUTOMOTIVE TOUCH PANEL MARKET REPORT

Annual comprehensive analysis of the technologies and trends that influence the adoption of touch panels in automobile designs worldwide. The report also includes a special analysis of the Japanese market, all aspects of current touch technologies, plus those being considered for future automotive applications. Also included is market historical and forecast analysis categorized by technology, sensor type, size, maker, and ASP.

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TOUCH PANEL COVER GLASS REPORT

Annual research on cover lens shipments for consumer applications, a 5-year forecast, and the results of cover lens material demand simulations. The report also reviews topics related to the cover lens industry, including sapphire glass, plastics, and surface-coating technologies. Thirty cost models with analysis are included, enabling subscribers to see key elements with an impact on the total cost of cover lenses common to the industry.

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Smart Home & Appliances

TOUCH PANEL OCA/OCR TECHNOLOGY & MARKET REPORT

Annual research on Optically Clear Resin (OCA) and Optically Clear Adhesives (OCA) for the touch panel market. Key coverage highlights include air gap vs. direct bonding, layer structure analysis of touch panels, and market forecasts and technology issues of the OCA and OCR industry.

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SMARTPHONE & TOUCH ECOSYSTEM REPORT - CHINA

Annual research on shipments from the top 10 Chinese smartphone brands, along with touch panel supply chain information categorized by brand, module maker share, sensor (layer) structure, and vertical integration. The report also analyzes the critical issues faced by the Chinese smartphone and touch panel industry.

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GESTURE SENSING CONTROL FOR SMART DEVICES REPORT

Annual analysis of the latest gesture sensing control technologies and platforms, including technical specifications and details. IHS examines almost all of the currently available gesture sensing technologies in this report. Some are cost effective, and others are capable of depth sensing and machine vision.

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TOUCH USER INTERFACE REPORT

Annual report on the latest touch-related technical trends, along with market forecasts and critical analysis. This report emphasizes touch controller ICs; growing and critical technical features that will be influential with future competition; features; and the supply chain.

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ABOUT IHS MARKIT

IHS Markit (Nasdaq: INFO) is a world leader in critical information, analytics and solutions for the major industries and markets that drive economies worldwide. The company delivers next-generation information, analytics and solutions to customers in business, finance and government, improving their operational efficiency and providing deep insights that lead to well-informed, confident decisions. IHS Markit has more than 50,000 key business and government customers, including 80 percent of the Fortune Global 500 and the world's leading financial institutions. Headquartered in London, IHS Markit is committed to sustainable, profitable growth.

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