Displays

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

Do you need to...

• Identify features for display applications?
• Understand the competitive landscape?
• Reduce cost and improve profits?
• Know supplier roadmaps assessments?
• Identify opportunities for growth?

Why Omdia? We cover...

• All buyers and suppliers in the Display industry
• Technology roadmaps and manufacturing processes for TFT LCD and OLED panels
• Each component in the supply chain
• 20+ years of display research history, the most reliable data and insights available

Solutions

By technology
AMOLED, Flexible displays, LCD, Touch, QD OLED, Micro LED, OLED on Silicon, Micro LED on Silicon, LCoS, Mini LED, QNED, Foldable, Rollable, Stretchable, Transformable

By application
Smartphone, TV, Wearables, Automotive, Tablet, Monitor, Notebook, AR/VR/MR/XR, Near eye, Industrial, Digital Signage, Gaming,

Display materials & components
Backlight, glass substrate, quantum dot, chemical materials, driver IC, cover glass, optical film, color filters, photomasks, OLED materials, polyimide film

Display manufacturing & supply chain
Display capacity, production & inventory
Display strategic outlook
Display supply & demand
Display long-term demand
Large area displays
Small and medium displays

Cost modeling
Research Offerings

Covering the entire Display Supply Chain

Technology | Materials | Equipment
---|---|---
- Equipment / Processes  
  - Array  
  - Color Filter  
  - Cell / Module  
  - OLED  
  - MOCVD  
- Glass Substrate  
- Liquid Crystal  
- Driver IC  
- Optical Films
- LEDs / Mini LED / Micro LED  
- Polarizers  
- Color Filters  
- Quantum Dots  
- Chemicals, Targets  
- OLED Materials  
- Cover Glass  
- CPI  
- Fingerprint  
- Polyimide

Manufacturing
- Processes  
- LCD Panels  
  - a-Si TFT LCD  
  - LTPS TFT LCD  
  - Oxide TFT LCD  
  - PLMCD  
- OLED Panels  
  - AMOLED  
  - PMOLED  
  - Foldable  
  - Flexible & Curved
- Display  
- Backlight Units  
- Touch Sensors / Modules  
  - Embedded / Add-on  
  - Touch Type  
- Gesture / Motion Sensing  
- OLEDos  
- LEDos

Applications
- Smartphones  
- Tablet PCs  
- Notebook PCs  
- Monitors  
- TVs  
- Public Displays / Digital Signage  
- Automotive  
- Wearable Devices (AR / VR)  
- Industrial PC  
- Display  
- E-Book  
- Smart Watch  
- Game console  
- Home appliances  
- Kiosk  
- POS/mini POS  
- ATM  
- Smart Home  
- E-shelf

End Markets
- China  
- North America  
- Japan  
- Asia Pacific  
- Western Europe  
- Eastern Europe  
- Latin America  
- Middle East & Africa
Research Offerings

Intelligence Services
Our most comprehensive offering with real-time access to continually updated market data and forecasts, analyst insights, topical research reports, analyst presentations and direct access to analysts

Reports
Topical reports addressing key focus areas with in-depth analysis of market and technology trends

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

Custom & Consulting
Meaningful analysis and action-oriented recommendations for custom cases and consulting, building on extensive data and recognized industry experience
Methodology

Gain a full view of the supply chain from the upstream of panels and manufacturing to components, costs, and emerging display technologies. Stay in the know across large area display (LCD TV, OLED TV, notebook, desktop monitor, tablet PC, digital signage display) from production and shipment to OEM and ODM supply chains. Access detailed analysis across the small and medium display spectrum that focuses on smartphone, tablet PC, smartwatch, automotive displays, AR/VR/Near Eye, industrial display, display-based user interface, fingerprint, cover lens, and much more.
Display Manufacturing, Technology & Components

Industry's most comprehensive coverage of the display supply chain focusing on upstream segments of panel and manufacturing technologies, equipment, as well as materials, components, and costs.
Display Manufacturing, Technology & Components

Intelligence Services

OLED & Flexible Display IS
the most frequently updated and complete analysis on the OLED display industry, including the market dynamics of shipments, revenues, price trends, brand demand trends and the competitive landscape.
Learn more

OLED and LCD Supply Demand & Equipment IS
A comprehensive guide to fab activity, capacity, utilization, supply/demand, capital equipment, manufacturing technology, financial information and relevant news analysis for the entire FPD supply chain.
Learn more

Cost Models

LCD Display CM
Through robust cost modelling, Omdia helps you understand the cost structure and profitability of mainstream panel sizes. Our in-depth data covers large area displays such as monitors, tablets, and TV applications. Generate forecasts that are easy to work with, using standard or customized selections.
Learn more

OLED Display CM
Determine the way forward in the OLED panel market, with critical cost structure and profitability data. From smartwatches and smartphones, to tablets and TV applications, identify the latest cost and profit margin trends. Explore different scenarios with comprehensive insights and forecast analysis.
Learn more
Display Manufacturing, Technology & Components

Market Trackers

**Display Driver IC MT**
This report provides a quarterly analysis of the TFT LCD driver IC and AMOLED driver IC market, for all flat panel displays. See the full picture with data-driven insights across market share, value chain dynamics and the latest technologies. Stay in the know market trends, pricing and forecast data.

[Learn more](#)

**Display Glass MT**
Discover the latest technology and supply chain developments in the display glass market. This report brings you in-depth data across market share, pricing, supply and demand, forecasts, and more. Know the market drivers, trends and challenges across TFT LCD and OLED glass, to make better decisions.

[Learn more](#)

Display Optical Film MT
Evaluate the display optical films market, with critical insights into technology trends, supply chain analysis and forecasts. This comprehensive report covers the full spectrum of polarizer and backlight-related films for TFT LCDs, as well as polarizer and optical films for OLED. Access invaluable data in capacity, pricing, value chain dynamics, and more.

[Learn more](#)

**Micro LED Display MT**
Micro LED display has been mentioned as an alternative for the OLED displays that are currently dominating the self-emissive display market. From 2016, many suppliers have announced prototype micro LED displays, but only handful were able to launch actual product, with limited shipments to date, due to the early stage of maturity for productivity of LED chip, backplane and the mass transfer process. Omdia forecasts that Micro LED Display device applications will be gradually positioned as premium products with TVs and smart watches.

[Learn more](#)
Display Manufacturing, Technology & Components

Market Trackers

Mini LED Backlight MT
Stay ahead with the latest technology trends, supply chain analysis and forecasts for mini-LED backlighting LCD. This report gives you a complete analysis of shipments, value chain relationships, prices, supply and demand, and cost structures. Advance your business with Omdia's extensive research.
Learn more

Display Glass MT
Discover the latest technology and supply chain developments in the display glass market. This report brings you in-depth data across market share, pricing, supply and demand, forecasts, and more. Know the market drivers, trends and challenges across TFT LCD and OLED glass, to make better decisions.
Learn more

OLED Materials MT
Make smarter decisions with critical market intelligence across OLED materials. This tracker gives you the big picture with detailed demand, forecast and competition analysis for U.S. Europe and selected APAC markets. Assess technologies and trends in high-evaporation materials, RGB and stack devices.
Learn more
Display Manufacturing, Technology & Components

Report

Transformable Display Technology & Market Report – 2022

Transformable display indicates the displays which has a unique form-factor such as foldable / rollable / stretchable / transparent. These kinds of transformable display have been usually popular for a specific purposed application (such as public display) rather than a general application (such as mobile phone). The transformable display market is expected to grow by 118 million units in 2029. Omdia forecasts that the various form factors of transformable display will create the new application demand gradually. This forecast is based on various probability with recent market issues, technical improvement trend, form-factor attractiveness and supply chain analysis.

Learn more

Near Eye Display for XR Application Report – 2022

Display for VR application is the mainstream in near-eye display shipments at the moment showing 73.9% increase in 2022. Considering the complexity of AR display and optical engine, Omdia believes it will take another 3-5 years for AR display technology to mature. Traditional glass-based display technology, such as OLED and LCD displays, will dominate VR near-eye display applications for the time being through size reduction, increased resolution and refresh frequency. Higher resolution silicon-based displays are initially starting in AR application category and will gradually embedded more into the VR market. Additional details are available in this new report from Omdia.

Learn more

Near Eye Display for XR Application Report – 2023 is expected to come out around early 3Q 2023
Large Area Display & Supply Chain

The industry’s most comprehensive research coverages of large display, from display production and shipments to OEM/ODM supply chains. Insights across all large area display manufactures’ detailed production, shipments and inventory status, not only for historical results but also detailed and accurate forecasting. Coverage also includes display supply chain flows for major large area display applications and the latest trends on product technology.
Large Area Display & Supply Chain

Intelligence Services

Display Dynamics IS
Real-time insights from our global team of analysts, along with data summary and excerpts from the Omdia display portfolio of research. Delivered in an online format comprising 20+ articles monthly, covering the entire display industry. The service also includes a monthly summary combining all articles from the month in one document.

Learn more

TV Display & OEM IS
The most frequent and complete analysis of the TV display-related supply chain, offering coverage of business relations, business intelligence, pricing trends, and the competitive landscape. Monthly analysis covers display suppliers worldwide, as well as TV makers in China. Quarterly coverage provides more detail on supply chain-related activities, covering panel, brand and OEM industry dynamics, TV display pricing outlooks, business strategies, top TV makers' purchasing plans and the competitive landscape.

Learn more

Tablet and Notebook Display & OEM IS
The timeliest and most complete analysis on the tablet & notebook display-related supply chain, offering coverage of business relations, business intelligence, feature adoption updates, pricing trends, and the competitive landscape.

Learn more

Industrial & Public Display & OEM IS*
(*newly launched in Q4 2022)
This new service on industrial and public display market is the industry's first attempt to provide market trends on the 2 niche application segments. The service is delivered in both monthly and quarterly updates and capture comprehensive display supply chain and ecosystem. Coverages include business plan analysis for display, OEM and Brands as well as supply chain dynamics and competitive dynamics. The service aims to provide critical insights for any companies involved in the industrial and public display supply chain that has not been covered historically.

Learn more
Large Area Display & Supply Chain

Market Trackers

Display Production & Inventory
This is a critical tool that tracks fab management, and panel maker production, shipments, and inventories. Access timely insights, with a monthly forecast for the next three months, and a weekly inventory. Stay ahead with the latest strategies, supply and demand trends, and indicators for future prices.

Learn more

Large Area Display
This tracker combines monthly and quarterly updates, for a timely market analysis. Our industry experts cover the entire range of large-area display panels, shipped worldwide and regionally. Evaluate risks and opportunities with the most reliable data and insights, by panel size, maker, technology, and more.

Learn more

Large Area Display Price
This report offers an essential overview of the large-area display market, from notebooks to LCD TVs. Omdia helps you identify opportunities with monthly panel price updates, supply and demand analysis, shipment data, and 12 month forecasts. Stay competitive with the latest market and technology insights.

Learn more

Large Area Display Production Strategy
This powerful tool provides the latest production strategies, plans, and trends for large area display. Empower your decisions with insights on supply and demand, capacity allocations, and the impact on product mix. Access reliable data on panel output and forecast by fab generation, for each panel maker.

Learn more
Large Area Display & Supply Chain

Market Trackers

Large Area Display Technology MT
A comprehensive view of the latest technology trends and large area display product developments shaping the display industry. Discover new emerging technologies for large area display products with timely market forecasts.

Learn more

Large Area Display Production Strategy MT
This powerful tool provides the latest production strategies, plans, and trends for large area display. Empower your decisions with insights on supply and demand, capacity allocations, and the impact on product mix. Access reliable data on panel output and forecast by fab generation, for each panel maker.

Learn more

Display Long-Term Demand Forecast MT
This report brings you shipment and forecast data across the full spectrum of flat panel displays (FPDs) worldwide. Our experts help you navigate the current economic climate to mitigate risks and discover new market opportunities. Strategize for the future by leveraging Omdia's in-depth insights across technologies, unit, price, revenue, and more.

Learn more
Small & Medium Displays & Touch Interface

The industry’s most comprehensive research, including critical information on small and medium displays, as well as display user interface markets. Based on unparalleled primary research methodology, Omdia provides detailed data and insight analysis on the market outlook, display ASPs, technology trends, supply chain and much more.
Small & Medium Displays & Touch Interface

Intelligence Services
Automotive Display IS
A comprehensive guide to track the automotive display market, including macro environment, design and technology trends, suppliers’ business performance, value chain, business models, and market dynamics.
Learn more

Smartphone Display IS
A shipment and revenue tracking standard for all smartphone displays. This service provides quarterly updates of smartphone display and feature phone display shipments by size, resolution, aspect ratio, display shape and technology (LCD, OLED). It provides a four-year quarterly forecast and an additional seven-year annual forecast. In order to track and forecast the rapidly changing smartphone display market, Omdia also provides a monthly shipment and price tracker.
Learn more

Market Trackers
Automotive Display MT
Stay competitive in the automotive displays industry with in-depth market analysis. Assess the market and value chain dynamics with reliable market forecasts, revenues, shipment data, and the latest trends. The quarterly update covers supply chain analysis, trending topics, and industry event insights.
Learn more

OLED Display MT
This industry-leading tracker covers the entire range of OLED displays shipped worldwide. Respond to market shifts utilizing critical data on historical shipments and forecasts. Stay in the know with revenues, pricing, display areas, new product trends, and the latest strategies of display makers.
Learn more
Small & Medium Displays & Touch Interface

Market Trackers

**Small & Medium Display MT**
This tracker enables you to size the market and better understand small and medium displays. Make strategic decisions with detailed shipment data, accurate forecasts, and future technology trends. Gain access to quarterly market updates and insights covering market shares, display revenue, area, pricing, and beyond.

[Learn more](#)

**Small & Medium Display Supply Chain MT**
Understand the relationships across the small and medium display maker supply chain worldwide. This tracker offers quarterly updates on display makers and set makers by application and technology. Make better decisions with a clear view of leading brands, supply and demand, forecasts, and adoption rates.

[Learn more](#)

**Touch Panel MT**
Define your strategy with a comprehensive analysis of the touch panel market, competition and industry trends. This tracker helps you navigate the latest technologies, sensor structures, and applications. Leverage invaluable forecasts, technology roadmaps, panel maker profiles, product specifications, and more.

[Learn more](#)

**Touch Display Module Interface Intelligence Service**
Planned to launch in 1Q 2023
Due to the disadvantageous factors such as the Russian-Ukraine conflict, lockdown in China, and economical inflation, cover lens shipments will decline to 6.08 billion units and decrease 5% YoY in 2022. This will be the first time that the cover lens market declining. If the situation is eventually relieved in the end of 2022, shipments could bounce back in 2023. There are still lots of uncertainty. As for cover lens materials, aluminosilicate is widely used in lower-end smartphone models, and lithium aluminosilicate grabs shares from midrange and high-end models. UTG (ultra-thin glass) is getting mature and replacing the colorless polyimide (CPI) in foldable phones, so its shipments is expected to significantly increase. Apple’s glass ceramic used in the latest iPhone products (except the iPhone SE) is notably recognized. Android camp is also aggressively developing cover lens based on glass ceramic, but shipments are still limited. Find out more about touch panel cover lens market with the newly published report.

Learn more
The Displays Research Team

25+ analysts in China, Taiwan, Korea and Japan, providing end-to-end research on the entire Display industry, with detailed coverage of the manufacturing, supply chain, materials and components, equipment, touch panels, shipments, pricing, supply, demand, and cost modeling.
Custom & Consulting

We provide an unmatched combination of information, insight and expertise, transforming knowledge into data and customizing a solution to meet your greatest strategic and operational challenges.

- Reduce risk
- Streamline business planning
- Accelerate informed decisions
- Lower operating expenses
Custom & Consulting

Where to play

- Identify and prioritize growth segments, technologies and trends
- Assess the impact of emerging technologies in key industries

How to build

- Optimize suppliers and partners, costs and prices, and technology trends & impacts

How to win

- Amplify your message to key audiences
- Target and engage new customers

What to deliver

- Apply innovation to evolve your business and delivery models
- Optimize your services to address customer requirements
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About Omdia
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.

* The majority of Omdia technology research products and solutions were acquired by Informa in August 2019 and are now part of Omdia.

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