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

## 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

## Display Manufacturing, Technology & Components

Large Area Display & Supply Chain

Small & Medium Displays & Touch Interface

The Displays Research Team

Custom & Consulting

Contact Us
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.
Cost Models

**LCD Display Cost Model**
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 customised selections. Learn more

**OLED Display Cost Model**
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

Intelligence Services

**OLED & Flexible Display Intelligence Service**
Benefit your business with a comprehensive analysis of the AMOLED display industry. This service provides in-depth shipment data, revenues, price trends and forecasts, to navigate the competitive landscape. Transform your business with expert insights on the latest market and technology trends. Learn more

**OLED and LCD Supply Demand & Equipment Intelligence Service**
Achieve your business goals with this invaluable resource and guidance on the FPD supply and demand market. Omdia supports your planning strategies with critical data across capacity, demand, inventory, equipment, price and more. Master your markets with the latest news and technology trends, worldwide. Learn more
Display Manufacturing, Technology & Components

Market Trackers

Display Driver IC Market Tracker
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 Market Tracker
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 Market Tracker
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 Market Tracker
Micro LED display has been mentioned as an alternative for the OLED displays that are dominating the self-emissive display market. Since February 2016, lots of companies have announced their own prototype micro LED display. But only a few of them have launched as an actual application, 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 Market Tracker
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

OLED Materials Market Tracker
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

Near Eye Display for XR/AR/VR Application

The extended reality (XR) near-eye display market, which comprises augmented reality (AR), virtual reality (VR), and mixed reality (MR) applications, will grow to 88.7 million units in 2028. Display for VR application is the mainstream in near-eye display shipments and is expected to grow 67.4% in 2023. Considering the complexity of AR display and optical engine, Omdia believes it will take another 3-5 years for AR display technology to mature.

Learn more

Near Eye Display for XR/AR/VR Application Report – 2024 is expected to come out around Q3 2024.
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 Intelligence Service
The intelligence service shares a holistic view of the display market. Make informed decisions with timely data and analysis on panel pricing, demand, shipment, forecasts, and more. Explore the latest developments and topics across LCD and OLED industries with expert insights and over 20 articles a month.
[Learn more]

TV Display & OEM Intelligence Service
Achieve your business outcomes with a complete analysis of the TV display supply chain. Omdia provides a global and China focused outlook, with timely insights into market dynamics and supply chain relationships. Stay ahead with critical data across supply and demand, shipment, pricing, strategies, and more.
[Learn more]

Tablet and Notebook Display & OEM Intelligence Service
Transform your business with the latest analysis of the tablet and notebook display industry. This service gives you reliable insights across market dynamics, supply chain relationships, and forecasts. Discover opportunities with rich data across shipment, feature adoption, strategies, product trends, and more.
[Learn more]

Industrial & Public Display & OEM Intelligence Service
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 Market Tracker
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 Market Tracker
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 Tracker
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 Tracker
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 Tracker**
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]

**Monitor Display & OEM Market Tracker**
Navigate the LCD monitor industry, with insights into strategic alliances, panel production and competition. This tracker provides visibility across the market and supply chain, and creates value for both suppliers and buyers. Explore the relationship between suppliers and brands, and identify new opportunities.
[Learn more]

**Large Area Display Production Strategy Market Tracker**
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 Market Tracker**
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 Intelligence Service
This service offers a comprehensive analysis of automotive display from market dynamics to the macro environment. Explore design and technology trends, supplier business performance, value chain, business models, and more. Assess future demand and understand how to navigate the supply chain ecosystem to win.
Learn more

Smartphone Display Intelligence Service
This service sets the standard for tracking the fast-changing smartphone display market. Stay on top of the latest trends with in-depth data on shipment, forecasts, display technology and features. Size the markets from LCD to OLED, and leverage a four-year quarterly forecast and three-year annual forecast.
Learn more

Touch Display Module Interface Intelligence Service
The new Touch Display Module Interface Intelligence Service offers comprehensive insights and analysis across touch panel technologies, touch sensor, touch module, cover lens, CPI and UTG, human machine interface and application. Details around display fingerprint, cover lens and cost analysis for module interface are now included in this new service and is considered "must have" to stay current in the touch related market.
Learn more
Small & Medium Displays & Touch Interface

Market Trackers

Small & Medium Display Market Tracker
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

Automotive Display Market Tracker
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 Market Tracker
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
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.
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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

What to deliver

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

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
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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.