

Display Long-Term Demand Forecast Tracker

Part of the Large Area Display and Supply Chain Service Area Package

Covers worldwide shipments and forecasts for all major flat panel display applications, including details from worldwide FPD producers, this report is like a dictionary of the flat panel display industry, covering all kinds of technologies, features, sizes, resolutions, units, prices, revenues, and area. Omdia industry experts analyze historical shipments and forecast projections and provide some of the most detailed information and insights available.

“ Global unit shipments of flat-panel displays (FPD) are expected to plunge by 11.1 percent in 2020 as the coronavirus crisis cripples demand for televisions and smartphones. ”

Ricky Park

Senior Principal Analyst

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FPD panel shipment area forecast by application (million square meter)

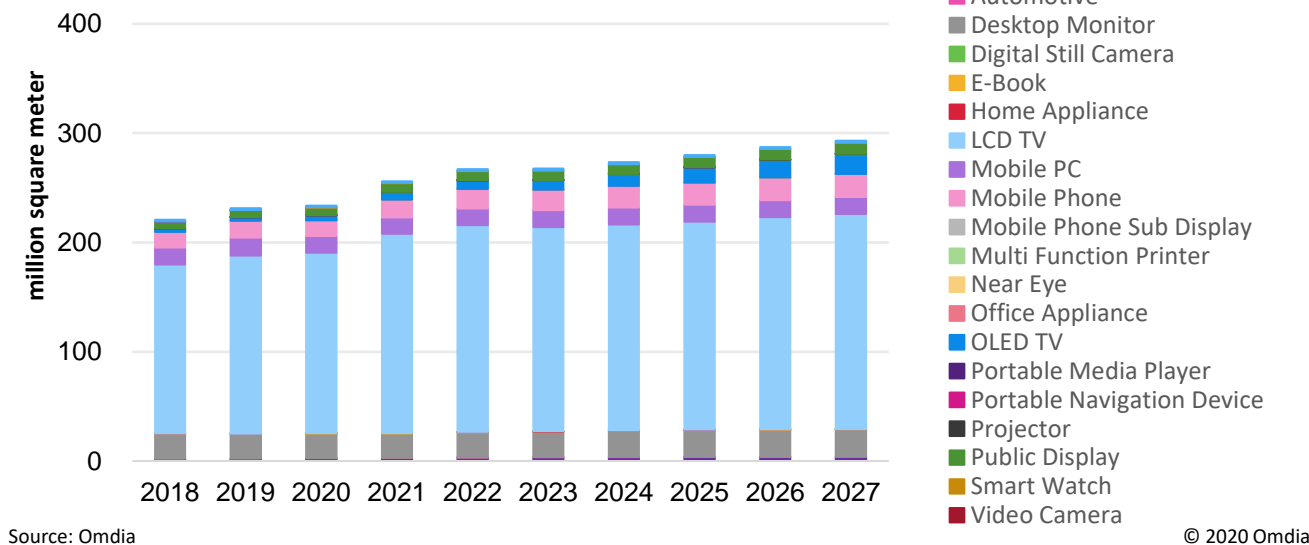
HOW OMDIA HELPS YOU

- Formulate product and pricing strategies
- Understand current economic risks, opportunities, and key considerations
- Gain insight into specific technologies, applications, and go-to-market strategies
- Discover new trends, applications, and markets and assess their potential

KEY QUESTIONS ADDRESSED

- What are the actual panel shipments and expected demands for all applications including TVs, desktop monitors, notebook, mobile phone, smart watch, and 15 other applications?
- What factors are impacting flat panel demand by size and resolution, and what will drive future demand?
- How are technologies competing in specific markets?
- What market segments offer growth opportunities?
- What are the current trends and midterm forecasts for each display type?

FPD panel shipment area forecast by application



Display Long-Term Demand Forecast Tracker: Our Expert Analyst



Ricky Park
Senior Principal Analyst,
Display Outlook

Market Tracker

Display Long-Term Demand Forecast Tracker

A dictionary-like-report of the flat panel display industry covering all kinds of technologies, features, sizes, resolutions, units, prices, revenues, and area includes pivot tables and an Excel-based charting and graphing tool for customized data views

DETAILS

Frequency: Quarterly update

- 2-year quarterly results
- 20-quarter (5 year) and 3-year Forecast

Measures

- Units, revenue, area
- Application, technology, screen size, resolution, aspect ratio, backlight type, color, PPI
- Panel shipments, ASPs, revenues , display area, and average size segmented by o
Over 35 display applications
 - Over 20 display technologies
 - Over 100 panel sizes
 - Display form (foldable and rollable)

COVERAGE

Product Covered

- 3D shutter
- Automobile monitor
- Automotive
- Calculator
- CRT TV
- Desktop monitor
- Digital photo frame
- Digital still camera
- e-book
- Feature phone (cell)
- Feature phone (module)
- Game
- Head-up display
- Home appliance
- Industrial
- Instrument cluster
- LCD TV
- Mobile phone sub display
- Multi-function printer
- Near eye
- Notebook pc
- Office appliance
- OLED TV
- Pachinko
- Plasma TV
- Portable media player
- Portable navigation device
- Projector
- Public display
- Smart watch
- Smartphone (cell)
- Smartphone (module)
- Tablet PC
- Video
- Video camera
- Watch
- Others

APPLICABLE TO

Technology Covered

- TFT-LCD (a-Si, HTPS, LTPS, Oxide)
- AMOLED (LTPS, OLED on Si, Oxide)
- PMOLED
- PDP
- PMLCD (CSTN, MSTN, TN, VA)
- AMEPD
- PMEPD
- LCOS
- MEMS
- DLP
- VFD

- Brand manufacturers/OEMs/ODMs for TVs/monitors/notebooks/tablets
 - Product planning managers for systems sales
 - Procurement managers for LCD components
- LCD panel suppliers
 - Product marketing and strategic planning managers
- LCD component suppliers
- Manufacturers of competitive technologies
- Investment community

Table of Contents

Key findings

FPD market & technology outlook

- Annual FPD sales summary
- Annual sales by FPD technology
- Large-area TFT LCD average diagonal size
- TV panel makers' business plans
- Forecast variance
- TFT LCD capacity area growth versus demand
- Panel price forecast

Application view

- Notebook PC display development trends
- Notebook PC display technology trend
- AMOLED display for notebook PC
- Notebook wide view angle panel shipments
- Monitor display development trends
- Monitor panel size competition
- TV display development trends
- LCD TV size competition
- Increased demand for super large sized TV
- OLED TV panel lineup for the long-term
- QD OLED production volume
- Smartphone display shipment forecast by technology
- Full-screen display shipment forecast
- Foldable smartphone impact on display area growth
- AMOLED display shipment revenue forecast by application
- Potential market for Displays: Automobile monitor
- OLED For Automobile Monitor Display
- Automobile monitor display market forecast by size

Market share by panel suppliers

- TFT LCD & OLED shipment share by panel supplier
- TFT LCD & OLED shipment share by region
- TFT LCD shipment share by panel supplier
- TFT-LCD shipment share by region
- OLED shipment share by panel supplier
- OLED shipment share by region


Resolution trends

- High resolution display trends
- Large-area (>9.1") TFT LCD resolution
- Small/medium (<9.0") TFT LCD resolution
- Mobile phone display resolution
- Tablet PC display resolution
- Notebook PC display resolution
- Desktop monitor display resolution
- Automotive monitor resolution
- AMOLED resolution

Appendix

Methodology

Related Content: Large Area Display and Supply Chain Service Area Coverage



Service Area Package: Large Area Display & Display Supply Chain

- Display Long-term Demand Forecast Tracker
- Display Production & Inventory Tracker
- Large Area Display Price Tracker
- Large Area Display Market Tracker
- Large Area Display Production Strategy Tracker
- Large area Display Technology Tracker
- TV Display & OEM Intelligence Service
- Notebook/ Tablet Display & OEM Intelligence Service
- Monitor Display & OEM Tracker
- Display Dynamics Intelligence Service
- Display Dynamics Spotlight Service

About Omdia's Large Area Display and Supply Chain Research

Industry's most comprehensive research coverages of large display from display productions and shipments to OEM/ODM supply chains. Omdia provide insights across all of large area display manufactures' detailed productions, shipments and inventory status not only for historical results but also detailed and accurate forecasting. Coverage also include display supply chain flows for major large area display applications and latest trends on product technology .

Team of analysts, all with 10+ years experiences in display industry located through key countries in Asia provide complete coverage of the large area display industry. With strong global network in display industry, we are proud to conduct high quality primary researches which bring world class database and reports that are commonly used as the industry standard primary data.

Strong focus in the "connect the dots" among upstream and downstream of the display industry linking towards different applications of consumer electronics where displays are used.

Related Content: Display and Consumer Devices Service Area Coverage

PRODUCTS IN RELATED SERVICE AREA			
Display Manufacturing, Technology & Components	Large Area Display & Supply Chain	Small & Medium Displays & Touch Interface	Consumer Electronics & Display Applications
<p>Intelligence Services</p> <ul style="list-style-type: none"> • OLED & LCD Supply Demand & Equipment • OLED & Flexible Display <p>Trackers</p> <ul style="list-style-type: none"> • Micro LED Display • OLED Display Roadmap • Display Backlight • Display Glass • Display Optical Film • Display Driver IC • OLED Materials • OLED Display Cost Model • LCD Display Cost <p>Reports</p> <ul style="list-style-type: none"> • Foldable Display Tech 	<p>Intelligence Service</p> <ul style="list-style-type: none"> • TV Display & OEM • Notebook/ Tablet Display & OEM • Display Dynamics <p>Trackers</p> <ul style="list-style-type: none"> • Display Long-Term Demand Forecast • Display Production & Inventory • Large Area Display Price • Large Area Display Market • Large Area Display Production Strategy • Large Area Display Technology • Monitor Display & OEM <p>Spotlight Services</p> <ul style="list-style-type: none"> • Display Dynamics Spotlight 	<p>Intelligence Service</p> <ul style="list-style-type: none"> • Smartphone Display <p>Trackers</p> <ul style="list-style-type: none"> • Small Medium Display • Small Medium Display Supply Chain • OLED Display • Automotive Display • Touch Panel <p>Reports</p> <ul style="list-style-type: none"> • Automotive Touch & Interface • Display Fingerprint Tech • Touch Panel Cover Lens 	<p>Intelligence Services</p> <ul style="list-style-type: none"> • TV Sets • Smart Home • Mobile PC • Smartphone • Desktop Monitor • LED Video Displays • Digital Signage & Prof. Display <p>Viewpoint & Spotlight Services</p> <ul style="list-style-type: none"> • Consumer Electronics Viewpoint • TV Sets Spotlight • Smartphone Spotlight • Digital Signage & Prof. Display Spotlight

Our “Ask an Analyst” Service Provides Best in Class Customer Support

Whether you need guidance to navigate the service, information regarding our methodologies or you want to better understand a data trend, Omdia’s support team is here to help.

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Tom Coate
Customer Success
Manager



Kâren Dyer
Customer Success
Manager



CONNECT WITH US

 @OmdiaHQ | [ondia.com](https://www.ondia.com)

Customer Success

E: customersuccess@ondia.com

SALES

US: +1 (212) 652 5335

APAC: +61 (0)396 016 700

EMEA: +44 (0)7771 980 316

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.