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
Display Long-Term Demand Forecast Tracker

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

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 (million square meter)

Source: Omdia

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Display Long-Term Demand Forecast Tracker: Our Expert Analyst

Ricky Park
Senior Principal Analyst,
Display Outlook
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 product
  - 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

**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

**APPLICABLE TO**
- 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

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

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- Smartphone Spotlight
- Digital Signage & Prof. Display Spotlight
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  Customer Success Manager

- **Kären Dyer**
  Customer Success Manager

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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.