

The Large Area Display Cost Model covers large-area (9"+) displays for major applications: the LCD TV, monitor, and notebook PC applications.

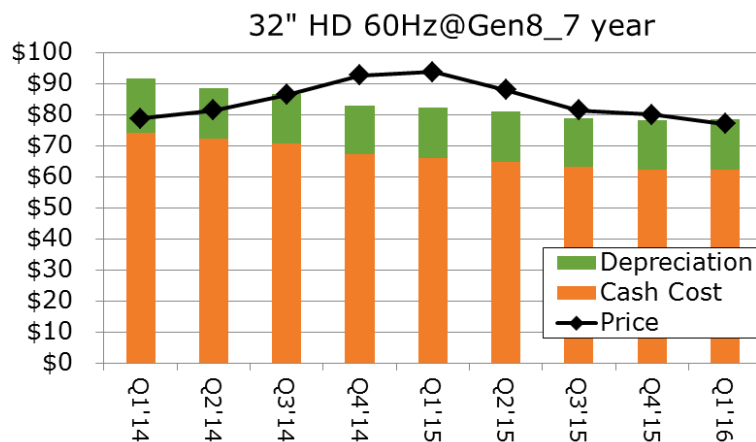
This model includes Excel data tables and PowerPoint. The cost model helps to understand the panel cost structure, forecast, and the profitability of each mainstream panels.

Users can generate forecasts based on their data and assumptions. At the same time, standard selections are already prepared in this model, showing many typical panels. The reader can also refer to it as a report on the cost structure of the mainstream panels.

The typical selection sheet is easy to work with, because users can change starting conditions affecting panel cost like equipment depreciation year and click on the "Process Start" button on the sheet.

Model users also can change the parameters like component costs, panel prices, panel yield, and fab utilization to reflect their real panel condition.

Cost model 32" HD 60 Hz open cell made Gen 8 with 7 years depreciation



Source: IHS

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Key issues addressed

- Understand the latest LCD panel cost and the profit margin trend and forecast by size by fab generation
- Understand which fab generation is better to lower panel costs
- Know the estimated panel cost forecast for buyers
- Find typical first tier panel costs and component breakdowns
- Know which application and panel sizes are more profitable

Applicable to

- Brand manufacturers/OEMs/ODMs
 - FPD and the materials/components procurement division
- FPD panel suppliers
 - Materials/components procurement division
 - Panel development division
- Investment community
 - Fund managers / investors / analysts with interests in display companies

Actuals and forecast

Frequency, time period

- Quarterly update
- Q1'14 – Q4'19 (historical 1 year and rolling 5 years forecast)
- Typical cost for first tier (\$US)

Data covered

- Notebook PC LCD module
- Monitor LCD module
- TV LCD module
- TV LCD open cell

Cost data structure

- Glass
 - Target
- Chemical & indirect materials
 - Array material total
 - Yielded array material total
- Color filter
- Polarizer
- Liquid crystal
- Cell others
 - Cell material total
 - Yielded cell material total
- Driver IC
- Backlight
- PCBA, etc.
 - Module component total
 - Yielded module component total
- Material & component total
- Yielded material & component total
- Indirect expense
- Labor cost
- Equipment depreciation
- Facility depreciation
- Manufacturing total cost
- Cash cost
- SG & A
- Sales total cost
- Sales profit
- Module price
- Fab operation
- Yield by process

Lead Analyst

Yoshio Tamura – Senior Director

Yoshio Tamura is a Director of Analysis & Research within the IHS Technology group. He joined IHS in November 2014, when IHS acquired DisplaySearch, a leader in primary research and forecasting on the global display market. At DisplaySearch, he was a research fellow and senior vice president. An analyst known for his insight and for his relationships with panel and key component suppliers, he has spoken at display conferences in Japan, Korea, Taiwan and China. Mr. Tamura developed many of the DisplaySearch FPD market reports, improving and extending the company's analysis. He was appointed vice president and Japan office representative for DisplaySearch in 2000.

Mr. Tamura has more than 20 years of experience in FPD market research, including his former position with Techno Systems Research, a respected Tokyo-based market research firm. He has a bachelor's degree in International Economics from Chuo University, Japan.

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Panel sizes covered in Q1'15 report

(Panel sizes change in response to market trend)

1.0 Notebook PC LCD Panels	3.0 LCD TV Panels
10.1" _1280X800	28" _1366X768
11.6" _1366X768	29" _1366X768
12.1" _1280X800	32" _1366X768
12.5" _1366X768	32" _1920X1080
13.3" _1280X800	39" _1920X1080
13.3" _1366X768	39" _3840x2160
13.3" _1920X1080	40" _1920X1080
13.3" _1920X1080_IPS	40" _3840x2160
14.0" _1366X768	42" _1920X1080
15.6" _1366X768	42" _3840x2160
15.6" _1920X1080	43" _1920X1080
15.6" _1920X1080_IPS	43" _3840x2160
15.6" _2560X1440_IPS	48" _1920X1080
15.6" _3200X1800_IPS	48" _3840x2160
15.6" _3840x2160_IPS	49" _1920X1080
17.3" _1600X900	49" _3840x2160
17.3" _1920X1080	50" _1920X1080
17.3" _1920X1080_IPS	50" _3840x2160
17.3" _2560X1440_IPS	55" _1920X1080
17.3" _3200X1800_IPS	55" _3840x2160
17.3" _3840x2160_IPS	58" _1920X1080
	58" _3840x2160
2.0 LCD Monitor Panels	60" _1920X1080
	60" _3840x2160
18.5" _1366X768	65" _1920X1080
19.0" _1440x900	65" _3840x2160
19.0" _1280x1024	70" _1920X1080
19.5" _1600X900	70" _3840x2160
20.0" _1600X900	
21.5" _1920X1080	
22.0" _1680x1050	
23.0" _1920X1080	
23.6" _1920X1080	
24.0" _1920X1080	
27.0" _1920X1080	