

**LG Display Develops World's First Quad HD LCD Panel for Smartphones**

*New panel will deliver optimal viewing experience on larger smartphone displays*

**Seoul, Korea (August 21, 2013)** – LG Display [NYSE: LPL, KRX: 034220], a leading innovator of display technologies, announced today that it has developed the world's first Quad HD AH-IPS LCD panel for smartphones. At 2560X1440 with 538ppi, the new 5.5-inch Quad HD panel is the highest resolution and ppi (pixel per inch) mobile panel to date, and provides a glimpse at what's next after current Full HD smartphone panels, critical given the growing trend towards larger displays.

"LG Display, which pioneered the high resolution mobile market with introduction of the world's first Full HD smartphone panel in 2012, again opens new possibilities with the successful application of QHD technology," said Dr. Byeong-koo Kim, Vice President and Head of LG Display's IT and Mobile Development Group. "With this breakthrough, LG Display will continue to raise new standards for mobile resolution and lead the mobile display market."

LG Display's Quad HD panel for smartphones realizes clearer images with 4 times more pixels than HD at 1,280X720, thereby reproducing more delicate colors as well as improving contrast and vividness when compared to current mobile displays. This advancement will enable consumers to fully enjoy more life-like and crisp images, and even Blu-ray equivalent video, on their smartphones. The panel also features the highest ppi among current mobile device displays.

In addition, the new Quad HD panel will enable users to enjoy a full view of PC-version web pages at a single glance without image distortion; a contrast to current Full HD displays which only realize 3/4<sup>th</sup> of a full screen. Also, even when enlarging the screen, users will be able to enjoy undistorted and sharper text.

Only 1.21mm thin with a 1.2mm bezel measured in LCD modules (LCM), LG Display's new Quad HD panel is both the world's slimmest and narrowest panel, with 12% reduced thickness compared to the company's 5.2-inch Full HD panel released last month. Based on Low Temperature Poly-Silicon (LTPS) substrate, the panel also realizes superior brightness of 430nit with improved transmittance and larger aperture opening size.

LTPS-based smartphone displays are expected to record 765 million units in shipments next year according to research firm DisplaySearch, as displays with larger screens, higher resolution, and less power consumption prove key to competitiveness in the premium model segment.

## **Market Outlook: Displays for LTPS-based smartphones**

Unit: 1,000

	2013				2014			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
AMOLED	48,521	62,016	67,554	72,030	69,152	80,024	86,553	95,681
TFT LCD	71,945	59,615	105,335	109,970	79,931	88,120	128,119	138,276
Total	120,466	121,631	172,889	182,000	149,083	168,145	214,672	233,958

Source: Display Search, "2<sup>nd</sup> Quarter Mobile Phone Display Shipment and Forecast Report"

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### **About LG Display**

LG Display Co., Ltd. [NYSE: LPL, KRX: 034220] is a leading manufacturer and supplier of thin-film transistor liquid crystal display (TFT-LCD) panels, OLEDs and flexible displays. The company provides TFT-LCD panels in a wide range of sizes and specifications for use in TVs, monitors, notebook PCs, mobile products and other various applications. LG Display currently operates nine fabrication facilities and seven back-end assembly facilities in Korea, China, Poland, and Mexico. The company has a total of 56,000 employees operating worldwide. For more news and information about LG Display, please visit [www.lgdnewsroom.com](http://www.lgdnewsroom.com).

### **Forward-Looking Statement Disclaimer**

This press release contains forward-looking statements. Statements that are not historical facts, including statements about our beliefs and expectations, are forward-looking statements. These statements are based on current plans, estimates and projections, and therefore you should not place undue reliance on them. Forward-looking statements speak only as of the date they are made, and we undertake no obligation to update publicly any of them in light of new information or future events. Forward-looking statements involve inherent risks and uncertainties. We caution you that a number of important factors could cause actual results to differ materially from those contained in any forward-looking statement. Additional information as to factors that may cause actual results to differ materially from our forward-looking statements can be found in our filings with the United States Securities and Exchange Commission.

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