

## **LG LEVERAGES DISPLAY EXPERTISE, ENTERS MEDICAL IMAGING MARKET**

*LG's First Medical Imaging Devices Deliver High Resolution,  
Accurate Images for Wide Range of Hospital Settings*

**CHICAGO, Nov. 28, 2016** – LG Electronics USA Business Solutions is introducing clinical and surgical monitors designed to empower health care professionals to make accurate and informed life-saving decisions. LG's entry into the growing global medical imaging devices market leverages the company's years of experience in advanced flat-panel display technology, according to Kimun Paik, senior vice president, LG Electronics USA Business Solutions.

“LG is diving head-first into the U.S. medical imaging device market with advanced display technologies designed to improve the accuracy, quality and efficiency of diagnostic procedures,” said Paik. “To serve this highly competitive market, we plan to build on LG's position both as a worldwide leader in premium display technologies and as the largest provider of hospital patient room TVs in the U.S.”

The new monitors and an advanced new radiography device are being previewed this week at RSNA® 2016, the annual meeting of the Radiological Society of North America in Chicago (LG Booth 6961, McCormick Place North Hall B).

### **LG 8MP Clinical Review Monitor**

The LG 8MP Clinical Review Monitor is a 27-inch IPS monitor driving 3840 x 2160 pixels specifically designed to increase hospital staff efficiency by enabling streamlined work flows and multitasking. In addition to enhanced brightness levels, this monitor provides healthcare professionals with wide viewing angles, minimal color shift and accurate images. The monitor is Digital Imaging and Communications in Medicine (DICOM) compliant, which means that grayscale tones are corrected to maintain image accuracy.\* Finely calibrated to ensure consistency across multiple devices, the monitor is equipped with backlight stabilization technology to guarantee stable luminance levels.

Dynamic Sync Mode reduces input lag, while Flicker Safe and Reader Mode settings help reduce eye strain experienced by doctors and nurses working long shifts.

### **LG 8MP Surgical Monitor**

The 27-inch LG 8MP Surgical Monitor was developed for a wide range of uses in the operating theater. In particular, surgeons who favor minimally invasive surgical techniques will benefit greatly as they make precise observations while viewing LG's wide and highly accurate monitor. The unparalleled clarity of LG's 8MP UHD panel helps doctors perform technically complex procedures and the monitor's IPS technology enables multiple medical professionals to view the monitor from different angles with minimal color shift. Boasting brightness levels of up to 800 nits, LG's surgical monitor is ideally suited for bright operating rooms. This monitor covers over 99 percent of the sRGB color space with additional space dedicated to the deep red spectrum, enabling doctors to more easily distinguish different types of tissue and blood vessels.

### **LG Digitalized X-Ray Detector for Radiography**

In today's hospitals, medical technology that is portable, lightweight and durable is key to providing outstanding patient care. Previewed at RSNA 2016, the LG DXD (digitalized X-ray detector) produces high quality radiography images within seconds using its 16-bit image processing capabilities and a pixel pitch range as small as 127 micrometers, producing super-high-resolution images for radiographers and radiologists to quickly and accurately identify health issues. A magnesium and carbon fiber body make the LG DXD well-suited to serve patients in a range of medical settings and the IP41 rating for water and dust resistance helps assure optimal performance even when this DXD comes in contact with powders or liquids. The LG DXD will be available in 2017.

LG's new medical monitors made their debut in the United States at RSNA 2016, which runs through Dec. 2, with rollouts to follow in key markets around the world. The LG DXD is planned for sale in 2017. The RSNA is an association of more than 54,000 radiologists, radiation oncologists, medical physicists and related scientists, promoting

excellence in patient care and health care delivery through education, research and technologic innovation. The society is based in Oak Brook, Ill. (RSNA.org)

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\* According to DICOM, part 14 guidelines published by the National Electrical Manufacturers Association (NEMA) and the American College of Radiology (ACR).

#### About LG Electronics USA Business Solutions

LG Electronics USA Business Solutions serves commercial display customers in the U.S. digital signage, systems integration, lodging and hospitality, healthcare, education, government and industrial markets. Based in Lincolnshire, Ill., with its dedicated engineering and customer support team, LG Electronics USA Business Solutions delivers business-to-business technology solutions tailored to the particular needs of business environments. LG Electronics USA Inc., based in Englewood Cliffs, N.J., is the North American subsidiary of LG Electronics Inc., a \$49 billion global force in consumer electronics, home appliances and mobile communications. LG is a proud 2016 ENERGY STAR® Partner of the Year-Sustained Excellence.

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