

LG LAUNCHES 5MP DIAGNOSTIC MONITOR FOR BREAST IMAGING

*Addition of 21.3-inch High-Definition Mammography Monitor
Helps Accelerate LG's B2B Medical Device Business Growth*

LINCOLNSHIRE, Ill., July 17, 2024 — LG Electronics (LG) is accelerating its B2B medical device business, expanding its lineup of diagnostic monitors with the new 21HQ613D-B, which was recently cleared by the U.S. Food and Drug Administration for sale in the U.S.

Intended for digital mammography and digital breast tomosynthesis, the 21HQ613D-B is a 21.3-inch 5-megapixel (MP) IPS diagnostic monitor designed to deliver high-definition radiological images and maintains consistent image quality through its internal front calibration sensor and calibration software.

The 21HQ613D-B offers exceptional definition and brightness. Its LG IPS display provides a resolution of 2,048 x 2,560, a luminance of 1100cd/m² and a contrast ratio of 1800:1. Suitable for reviewing various types of medical images, including breast MRIs, CT scans and ultrasound, the diagnostic monitor features an internal front sensor that removes the need for an external calibration device. With LG Calibration Studio medical software, users can conveniently conduct DICOM calibration and quality assurance tests that comply with international quality control standards for medical monitors.

The 21HQ613D-B also incorporates helpful features to assist users in the close examination of medical images, such as Focus View Mode. Controllable with either a mouse or keyboard, Focus View Mode lets users focus in on a specific part of an image, dimming the rest of the screen in order to highlight the selected area. Additionally, Multi-Resolution Mode (5, 3 and 2MP) makes it possible to quickly adjust screen resolution to suit the type of image being viewed.

For a more productive and organized workspace, this diagnostic monitor supports daisy-chaining via DisplayPort connection. An easy and efficient way of linking monitors, daisy-chaining helps reduce desk clutter and simplify cable management. LG's new 5MP diagnostic monitor also offers a comfortable user experience thanks to an ergonomic stand with adjustable tilt, height, swivel and bi-directional pivoting functionality.

The diagnostic monitor's five hotkeys improve user convenience by providing a quick and simple way to adjust settings or switch between modes. Meanwhile, the Presence Sensor helps to conserve energy, automatically shutting off the display if no motion has been detected for five minutes. The Down Light and Wall Light features enable users to read documents when the room is dim or completely dark, the former illuminating the desk or table surface below the monitor and the latter casting light on the area behind it. For a better viewing experience, the Auto Luminance Sensor automatically adjusts screen brightness according to ambient conditions.

LG's expanded lineup of diagnostic monitors covers the major display needs of large hospitals. Along with the new 5MP model, the company provides 2MP and 3MP monitors – primarily used for reading radiological images – and 8MP and 12MP products equipped with PBP (Picture-by-picture) mode, which allows simultaneous review of multiple diagnostic images.

"LG's new 5MP diagnostic monitor is tailored for reviewing mammograms and breast tomosynthesis, providing a high-quality medical imaging display with both simple management and practical features for users," said Stephen K. Hu, LG Business Solutions USA's head of medical displays. "We're dedicated to providing cutting-edge solutions for the medical sector with our display technologies, and the addition of the latest 5MP monitor underscores this commitment to innovation."

For more information about LG's diagnostic monitors, click [here](#). For images, click [here](#).

Key Specifications:

		LG Diagnostic Monitor (21HQ613D)
Display	Panel Type	IPS
	Size	21.3-inch
	Aspect Ratio	4:5
	Resolution	5MP (2,048 x 2,560)
	Color Gamut (Typ.)	NTSC (CIE1 931) 72%
	Brightness (Typ.)	1100cd/m ²
	Contrast Ratio (Typ.)	1800:1
	Response Time (Gray-To-Gray)	5ms (GtG)
Feature	DICOM Compliant	Yes
	Hardware Calibration	Yes
	Display Mode	Multi-Resolution Mode (5/3/2MP), Focus View Mode
Video Signals	Input Terminals	DisplayPort x2, DVI-D (Dual Link) x1
User Convenience	Dual Controller	Yes
	Lighting	Yes (Down / Wall)
	Hot Key	Yes (5 keys)
	Presence Sensor	Yes
Physical Specifications	Adjustable Stand	Pivot (Bi-Directional) / Swivel: ±15° / Tilt.: -5°~20° / Height Range: 110mm

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About LG Business Solutions USA

The LG Electronics USA Business Solutions division serves commercial customers in the U.S. lodging and hospitality, digital signage, systems integration, healthcare, education, government and industrial markets – with cutting-edge commercial displays, robots and electric vehicle charging stations. Based in Lincolnshire, Ill., with its dedicated engineering and customer support team, LG Business Solutions USA delivers business-to-business technology solutions tailored to the particular needs of business environments. Eleven-time ENERGY STAR® Partner of the Year LG Electronics USA Inc., based in Englewood Cliffs, N.J., is the North American subsidiary of LG Electronics Inc., a \$60- billion-plus global force in consumer electronics, home appliances, air solutions and vehicle components. For more information, please visit www.LGSolutions.com.

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