31-inch 12MP Diagnostic Monitor

| 31HN713D |

Optimized Display for Breast Imaging

12MP (4200x2800) IPS Panel | Multi-resolution Mode (12/6MP)

With a 31-inch screen and 12MP resolution, the 31HN713D can replace the two 5MP monitor set-up common for diagnostic mammography. IPS and a wide viewing angle ensure that medical images divided into multiple windows can be viewed clearly from any angle with minimal color distortion. Also, Multi-resolution Mode allows users to change between 6MP and 12MP resolution for a more accurate view of medical images.

Internal Front Sensor for Calibration

The front-sensor allows for automatic, self-calibration without the need for additional measuring equipment. It improves the quality and consistency of medical images that are displayed by maintaining accurate values. HW calibration with a front sensor increases productivity and efficiency while reducing the need for additional operating costs or manpower.

Focus View Mode | Pathology Mode

The Focus View Mode function allows you to review specific parts of a medical image more closely. Using just your mouse and keyboard you can quickly select and focus on areas of concern while darkening the rest of the screen. Interpretation and diagnosis are also made easier by adjusting the brightness and grayscale tones within the area of focus. Additionally, with Pathology Mode, the 31HN713D reproduces the same accurate detail and color shown directly under a microscope, enabling medical professionals to make more accurate diagnoses.

Streamlined and Efficient Workflow

6 Hot Keys

The 31HN713D's 6 Hot Keys make changing between screen modes easier and more intuitive than operation through an OnScreen menu. The 6 Hot Keys are much faster and easier to operate while working, allowing you to change mode, screen resolution, and lighting settings all without disrupting your workflow.

Presence Sensor

The 31HN713D features a Presence Sensor that automatically turns off the display when no motion is detected. This reduces power consumption when not in use and eliminates the hassle of manually turning the display on and off. Additionally, it ensures that patient information and other sensitive data is not exposed, improving security and ensuring minimal disruptions to the workflow for optimal efficiency.

Optimized Design for User Comfort

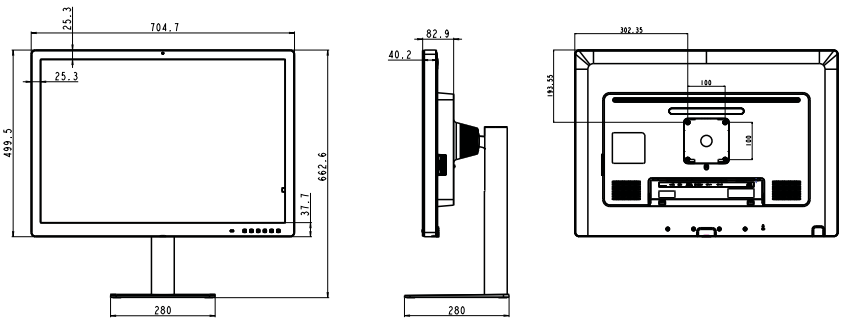
Lightweight | One-click Stand | Ergonomic Stand

The One-click Stand and ultra-lightweight body make installing the 31HN713D simple. The ergonomically designed stand allows users to freely adjust the tilt, height, and swivel, reducing chronic pain caused by long hours of work.

Lighting (Down / Wall Light) | Auto Luminance Sensor

Down and Wall Lighting Modes reduce the contrast between the monitor and ambient lighting conditions, allowing you to work comfortably without having to adjust the lighting to view paper documents in the darkroom. Additionally, the Auto Luminance Sensor ensures screen brightness is always optimized for the ambient lighting, reducing eye strain caused by a difference in screen and ambient light.

Specification

Model		31HN713D
		
Panel	Panel Type	IPS
	Inch (Aspect Ratio)	31-inch (3:2)
	Resolution	12MP (4200 x 2800)
	Surface Treatment	Anti-glare, 3H
	Color Gamut (Typ.)	sRGB over 97% (Coverage)
	Viewing Angles (CR≥10)	178° (Right/Left), 178° (Up/Down)
	Brightness (Typ.)	1080cd/m² (Uniformity On)
	Contrast Ratio (Typ.)	1500:1
	Response Time (GTG*)	14ms (Off-setting), 5ms (Faster-setting)
Feature	DICOM Compliant	Yes
	HW Calibration	Yes (PerfectLum) with Internal Front Sensor
	Display Mode	Multi-resolution Mode (12/6MP), Focus View Mode, Light Box Mode, Pathology Mode
	Super Resolution+	Yes
Video Signals	Input Terminals	DisplayPort x2
Connectivity	USB	1 Upstream, 3 Downstream
Power	AC Input	100-240Vac, 50/60Hz
	Power Consumption (Max.)	180W
	Power Consumption (DC Off)	Less than 0.3W
Certifications & Standards		IEC(IEC 60601-1 / IEC 60601-1-2), EN(EN 60601-1 / EN 60601-1-2) IEC(IEC 60950-1 / CISPR32 / 35), EN (EN 60950-1 / EN 55032, 55035) cUL (ANSI/AAMI ES 60601-1, CSA CAN/CSA-C22.2 NO. 60601-1) FCC (FCC part 15 Class A), FDA (510(k) (Class II)), RoHS, REACH, WEEE
User Convenience	PBP / Dual Controller	Yes (2PBP) / Yes
	Text Mode / Flicker Safe	Yes / Yes
	Lighting	Yes (Down / Wall)
	Hot Key	Yes (6keys - Lighting / Select Resolution / Presence Sensor / Light Box Mode / Picture Mode)
	Presence Sensor	Yes
	Auto Luminance Sensor	Yes
Physical Specification	Weight (with stand)	14.0 kg (30.9 lb)
	Weight (without stand)	10.7 kg (23.6 lb)
	Adjustable Stand	Swivel : ±15° ,Tilt : -5~15°, Height Range : 110mm

*GTG : Gray to gray response time
**Specifications may vary by region and all features, standards, and other product specifications are subject to change without notice or obligation.

LG Electronics Inc.
http://www.lge.com/global/business