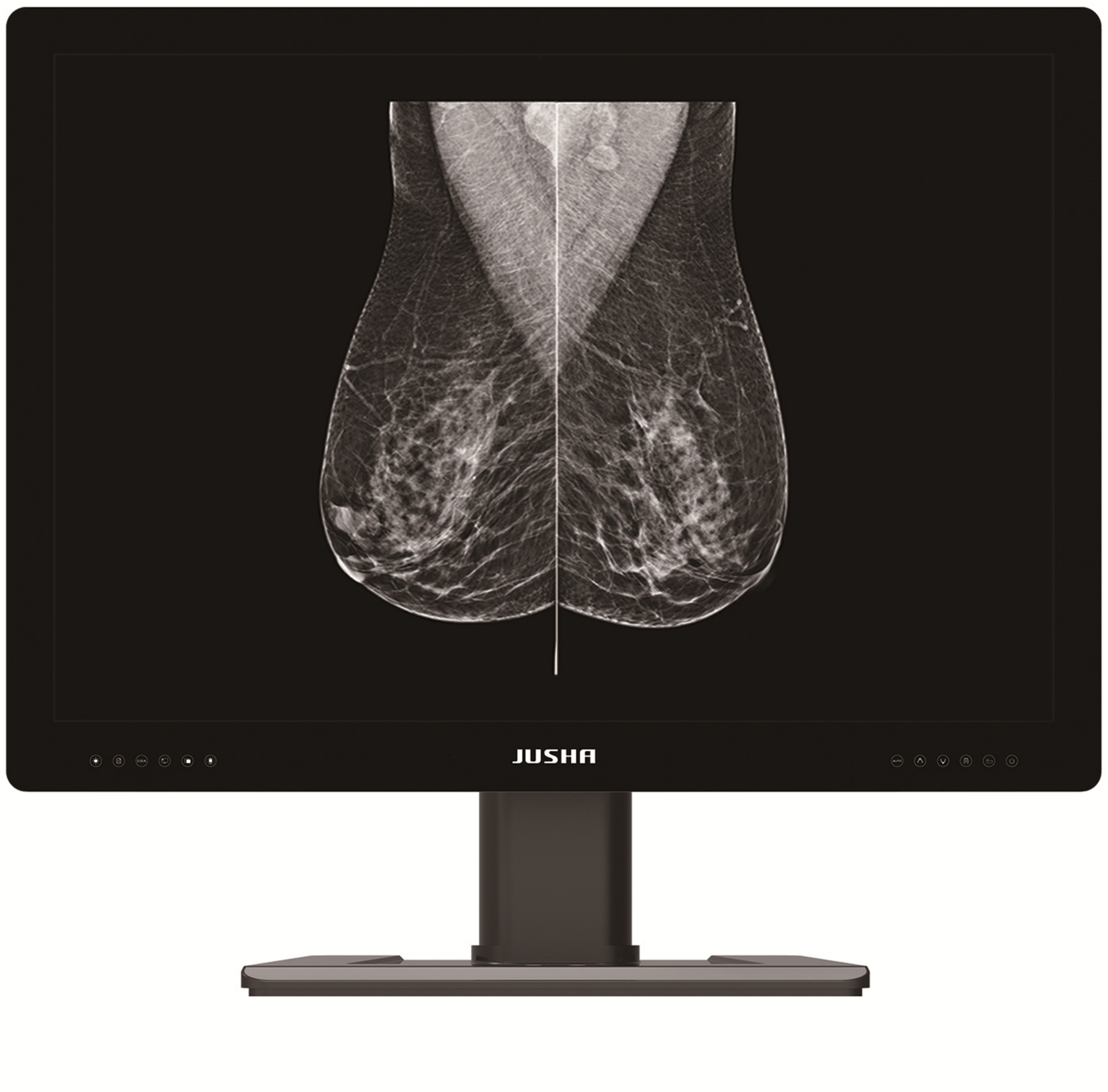
C1210G

Medical Color Monitor for Mammography

Jusha mammography monitor features extremely high resolution, high brightness and 48-bit color.
The built-in dynamic LUT in line with the DICOM standard can adaptively adjust display brightness according to ambient light.
It is applicable to extremely demanding clinical diagnostic applications.
Such as Mammography, DR, CR and other radiological equipment.



Address: F8, Building 01, Nanjing International Service Outsourcing Building, No. 301 Hanzhongmen Street, Nanjing, Jiangsu, China
TEL: +862583305050
FAX: +862558783273
Hotline: 400-820-0556800-820-0556

Product Features

1. High Brightness
The maximum brightness of C1210G is up to 1200cd/m². Through the combination of brightness and contrast, a prominent layering that is more conducive to the position confirmation of the focus is formed.

2. High Grey Scale
The C1210G has a 16-bit LUT that can express 281.47 trillion colors, and the transition is smoother.
It ensures that the 16-bit high-gray-scale image acquired by the high-end imaging equipment can be completely presented to the doctors, on the other hand. It is also helpful for diagnosing the early focal tissue that the doctors find and that with extremely small gray scale difference in the normal tissue.

3. Patented CGA technology
Jusha Colored Gray-scale Adaptive Correction Patent Technology (CGA) can automatically identify whether each pixel belongs to gray scale or color signal. The gray scale signal automatically applies DICOM curve correction, and color signal automatically applies GAMMA curve correction, truly realizing “integration”. “Integration” ensures that the gray scale and color images are displayed correctly at the same time, ensuring the accuracy of diagnosis.

4. Spotlight
After the Spotlight function being turned on, the brightness of the full display is lowered. At the same time, the position coordinates of the cursor are captured through the application software, and the circular area or the rectangular area centered on the cursor coordinates is raised to the highest corrected brightness to achieve the effect similar to the stage spotlight, highlighting the focus and facilitating diagnosis.

5. Lightbox mode
With built-in reading light mode and film reading clip, the C1210G monitor can be quickly opened through a shortcut key to facilitate the doctor to read the film.

6. Ambient Light Compensation Correction and Brightness Adaptation
Jusha’s ambient light compensation correction system can detect the ambient light data of the use environment and further adjust the display effect of the display, which is more in line with the human eye observation ability, display images, and apply to various brightness environments. In combination with the brightness adaptive function, the brightness of the display can be adaptively adjusted according to the brightness of the working environment to protect the physician's vision.

7. Dynamic LUT
C1210G adopts the dynamic LUT technology. Compared with the traditional LUT, the DICOM calibration is no longer limited to the preset brightness curve in the LUT. The dynamic LUT technology can be used for the DICOM collation of the real-time brightness and contrast of the display, thus ensuring that the entire brightness range of the medical display complies with the DICOM standard.

8. Seamless Dual-screen Display Technology
Medical diagnosis often requires image comparison. In the past, two monitors were placed side by side to make a "dual-screen display". However, the lifetime, decaying speed and display synchronization of the two monitors are inconsistent, and the doctors cannot distinguish whether it is a screen error or an image error. Jusha uses the dual-screen image seamless stitching technology to display two images of different outputs on the same screen. The display is more accurate and convenient, realizing true “integrated dual screens”.

9. Patented SmarTouch Technology
Chinese doctors read a lot of films every day. They hope to read the film at low brightness and observe the details under high brightness to reduce the visual fatigue. Jusha has developed the patented SmarTouch technology. By tapping the SmarTouch button, the user can instantly change the brightness of the display. At the same time, based on the BIA technology, which can quickly improve the brightness, the brightness can be stabilized rapidly, and the doctor's vision is protected during accurate diagnosis at the same time.

10. Eco-Guardian Human Detection Power Saving System
The C1210G Eco-guardian function uses remote sensing technology to detect the presence of a user in front of the display. During the set time, it can automatically enter the standby state, which can achieve better energy saving and extend the life of the display. In addition, this function can distinguish between non-living bodies such as people and chairs, making operation simpler and smarter.

11. Text Mode
When the text mode is turned on, the display resolution and brightness adjustments are suitable for text display and report writing.

12. Remote Quality Control System
Equipped with a front-sensing probe, the remote quality control system of Jusha's professional display can remotely monitor and control the status of all Jusha professional display through a computer network. Field maintenance and calibration of medical professional display at hospital sometimes may have some impact on diagnosis workflow, while remote operation is more convenient. Jusha remote quality control system provides customers with remote maintenance and monitoring services.

Specification

Model	C1210G
Backlight	LED
Diagonal Size	31″
Maximum brightness (typ)	1200cd/m²
Contrast (typ)	1500:1
Color (LUT)	281.47 Trillion Colors (16bit)
Sensor	Backlight sensor /front sensor / human body sensor / ambient light sensor / temperature sensor
Maximum corrected brightness (Typ)	1000cd/m²
Curve correction standard	DICOM、GAMMA
LUT	DICOM、GAMMA2.2、GAMMA2.4、CT/MRI-JS、DSA、DSI
Video signal	DPx2
Power requirement	AC 100-240V
Standard power	200W
Shell color	Black glass, silver front frame and grey back cover
Dimension with base (width * height * thickness)	718mm*650mm*235mm
Dimension without base (width * height * thickness)	718mm*515mm*87mm
Net weight (without base)	10.3kg
Installation standard	VESA standard: 100*100mm