JUSHA

C620G

JUSHA professional display is featured with high resolution, high luminance, 16bit grayscale (65536 grade), built-in LUT based on DICOM standard, designed for high-requirement of clinical diagnosis, such as PACS, Digital Mammography, CR, DR and other x-ray systems.

Features

1.High resolution

Jusha report and audit display is paired with 6MP resolution, which can present the medical image precisely. From 1MP DSA image to 5MP mammography, they all can be displayed in the monitor perfectly, and guarantees a good compatibility with wide range of device.

2.High luminance

The calibrated luminance of JUSHA professional medical display can reach up to 2,500cd/m2. With the combination of high luminance and great contrast, a significant sense of depth is formed, perfect for locating the nidus.

3.High grayscale

The monitor has a 16-bit LUT table, which can express 65536-grade grayscale, and provides a smoother image transition. JUSHA professional display guarantees a perfect presentation of 16-bit high grayscale image captured by high-end equipment. Also, it is helpful to diagnose the early lesion of low contrast with normal tissues.

4.Color and grayscale auto-calibration

This technology has obtained a number of domestic and foreign patents. CGA technology can automatically identify each pixel either being a grayscale or color signal: grayscale pixel automatically applies DICOM curve calibration, and color pixel automatically applies GAMMA curve calibration, to ensure that the image displayed all use the correct calibration, achieving a truly multi-function screen.

5.Integrated dual screen

With two windows displayed on the same screen, this technology eliminates the inconsistency between the two screens, due to differences in the screen itself or attenuation after longtime usage. More accurate and consistent images could be displayed.

6.Focus View Spotlight

After the spotlight is enabled, the system will dim the full screen, capture the coordinates of the cursor by software, and highlight the circle area or the rectangular area centered at the cursor to the highest calibrated luminance. This achieves a similar effect of spotlight on stage, highlighting the nidus and assisting diagnosis.

7.X-ray film viewer

The display has built-in light box mode. With the magnetic film clip clamping the films, and quick operation by shortcut keys, doctor can conveniently read the film on the monitor.

8.Ambient Brightness Adaptation

JUSHA ambient light compensation and correction system can detect the ambient light, and then adjust the display accordingly. This can better suit the observation capability of human eyes, display the image, and could be applied to various luminance environments. The luminance of the display can adapt to working environment, providing great protection for the eyesight of doctors.

9.Text mode

After the text mode is turned on, the monitor is divided into two screens, left and right. The display resolution and brightness on one side will be changed for text display and report typing; the other side maintains the high resolution for medical image diagnosis.

10.Dynamic LUT

The monitor uses dynamic LUT. Compared with traditional LUT, DICOM calibration is no longer limited to preset curves. By applying dynamic LUT, we can calibrate the monitor's luminance and contrast in real time, which guarantees the monitor comply with DICOM standard under all luminance settings.

11.Keyboard light

Under the monitor, there is a keyboard light. Under standard diagnosis lighting condition, the keyboard light will lighten the keyboard area. This only reduce the light reflected to doctors' eyes, but also not affecting the display of medical images. It provides great convenience for doctors to type the report.

12.SmarTouch® patent

To reduce the visual fatigue during the review, Jusha developed SmarTouch® techonology. The luminance can be changed by tapping the SmarTouch button, and the luminance remains stable in a short time with our BIA technology. It guarantees an accurate diagnosis as well as visual protection for doctors.

13.Presence Induction/Eco-guardian

JUSHA professional medical display equipped with Eco-guardian can detect if there being any user in front of the monitor. The monitor will go sleep under a preset time to save energy and prolong the service life of display, given no human is present. Moreover, the system can differentiate human and other nonhuman objects such as chairs and tables, making the detection smarter and more accurate.

14.Calibration by front sensor

The front sensor can detect the luminance of the light emitted by the display panel. Together with the backlight sensor, the system combines all luminance information and ensure that the luminance output is consistent with the DICOM standard.

15.Multi-display configuration

Our professional display supports multi-display configuration. By using DisplayPort connection, multiple displays in a serial installation manner become possible. No more messy cables and wires.

16.Remote quality control system

The quality control system of JUSHA professional display can monitor and control all JUSHA monitors through network remotely. The on-site maintenance of monitors in hospitals may disturb the normal workflow, but the remote quality control system makes it more convenient. JUSHA remote quality control system provides a better experience of remote maintenance and examination service.

Specification

Model No.	C620G
Type	LED
Size	30"
Type (Color/Monochrome)	Color
Active Display	645.5(H)×403.0(V)mm
Mpixel	6MP
Resolution	3280×2048
Aspect ratio	16:10
Pixel Pitch	0.197×0.197mm
Ton+Toff(typ) Response Time	30ms(15ms+15ms)
Maximum Brightness(typ)	800cd/m²
Contrast Ratio(typ)	1000:1
Color Tone	10bit
Colour bit depth (LUT)	281.47Trillion Colors(16bit)
View angle	≥170°(CR≥10)
Life (the brightness becomes ≦ 50% of its original value)	>50000h
Sensor	Backlight /Front /Presence /Ambient Light /Temperature Sensor
Maximum Corrected Brightness（Typ)	500cd/m2
Gamma presets	DICOM,GAMMA
LUT	DICOM,GAMMA2.2,GAMMA2.4,CT/MRI-JS,DSA,DSI
Input Interface	DVI-D×2(Single-link,Dual-link), DP×1
Output Interface	DP×1
Color and Grayscale Auto-calibration(CGA)	√
Intergrated Daul-screen	√
SmarTouch	√
Self-checking pictures	√
X-ray FilmView(XFV)	√
FocusView	√
Keyboard lamp	√
Front-sensor calibration	√
Eco-guardian	√
Ambient luminance self-adaptation(ABA)	√
Ambient Light Compensation（ALC）	√
Screen luminance equilibrium calibration(SLE)	√
Text mode	√
10bit Source input	√
Web QA	√
Power Requirements	AC 100-240V~1.5-0.75A 50~60HZ
Max Power Consumption	150W
Typical Power Consumption	110W
Cabinet color	Front frame silver, rear case black
Dimensions	721.5mmx585mmx262mm
Dimensions(Without Stand)	721.5mmx493.5mmx110mm
Net Weight	22kg
Net Weight(Without Stand)	17.5kg
Hole Spacing	VESA standard：100*100mm
Certifications	FDA,CE,CCC,NRTL,RoHS,FCC
Osd Languages	Chinese,English

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