

C450G



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.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.

7.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.

8.SmarTouch® patent

To reduce the visual fatigue during the review, Jusha developed SmarTouch® technology. 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.

9.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.

10.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.	C450G
Type	LED
Size	27"
Type (Color/Monochrome)	Color
Active Display	596.736(H)×335.664(V)mm
Mpixel	4MP
Resolution	2560×1440
Aspect ratio	16:9
Pixel Pitch	0.2331 x 0.2331mm
Ton+Toff(typ) Response Time	16ms(8ms+8ms)
Maximum Brightness(typ)	550cd/m ²
Contrast Ratio(typ)	1000:1
Color Tone	8bit
Colour bit depth (LUT)	281.47Trillion Colors(16bit)
View angle	≥178°(CR≥10)
Life (the brightness becomes ≦ 50% of its original value.)	>40000h
Sensor	Backlight /Temperature Sensor
Maximum Corrected Brightness (Typ)	500cd/m ²
Gamma presets	DICOM Presets and GAMMA GSDF
LUT	DICOM ,GAMMA2.2 ,GAMMA2.4, DSA,DSI ,CT/MRI
Input Interface	DVI-D×1,DP×1
Output Interface	DP×1(daisy chain)
Color and Grayscale Auto-calibration(CGA)	√
Intergrated Daul-screen	√
SmarTouch	√
X-ray FilmView(XFV)	√
10bit Source input	√
Power Requirements	24VDC-3.75A
Max Power Consumption	60W
Typical Power Consumption	45W
Cabinet color	Cold gray
Dimensions	653.4mm*469.7mm*250.4mm
Dimensions(Without Stand)	653.4mm*392.4mm*80.0mm
Net Weight	12.5kg
Net Weight(Without Stand)	8kg
Hole Spacing	VESA standard: 100*100mm
Certifications	CCC,CQC
Osd Languages	Chinese,English