



Upgrade

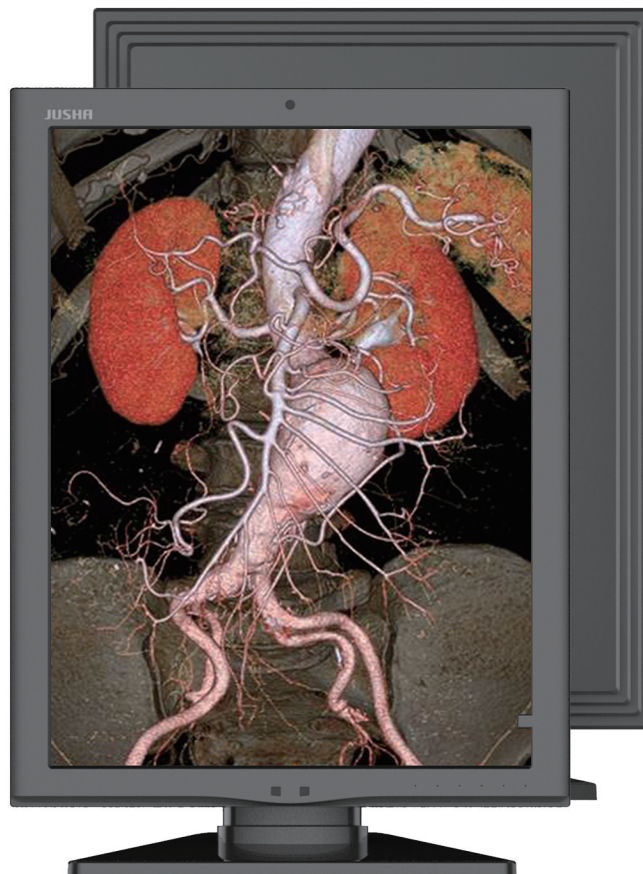
# JUSHA-C350G

Jusha 3MP Color Medical Diagnostic Display

Jusha professional display adopts industry-leading LED technology with advantages of high brightness, high grayscale, uniform brightness, energy saving and environmental protection, and long service life.

In addition, it features high resolution, high brightness and 281.47 Trillion colors, built-in DICOM standard LUT.

It can be used in demanding clinical diagnostic applications, such as: PACS, CR, DR, MR, CT and other diagnostic equipment.



MEDICAL DISPLAY EXPERT

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# Product Features

## 1. High chroma

The JUSHA-C350G features a 16bit LUT table that can display 281.47 trillion colors with smoother color transition. It ensures that 16-bit grayscale image from high-end imaging equipment can be presented completely in front of a doctor. In addition, it is also helpful for diagnosing early-stage lesions that have extremely small grayscale difference from normal tissue;

## 2. Ins-guard real-time DICOM automatic calibration system

Jusha Ins-guard system is a DICOM real-time automatic calibration system. It monitors the brightness of the center point of the screen in real time through a built-in brightness sensor, and feeds back to the calibration system to automatically calibrate the brightness of the LCD panel to ensure compliance with DICOM standards. The center point measures and controls the brightness, making it more in line with the screen brightness requirements in the actual viewing area.

## 3. Color and Grayscale Auto-calibration

Jusha's patented "grayscale and color automatically calibration technology" (CGA) can automatically identify each pixel belongs to a grayscale or color signal. The grayscale signal automatically calls DICOM curve to calibration and the color signal automatically activates the GAMMA curve to calibration to truly achieve "merging"; which ensures the correct display of grayscale and color images at the same time, ensuring the accuracy of diagnosis.

## 4.Full-screen brightness equalization SLE

Jusha full-screen brightness equalization system SLE measures and calibrates the brightness of each pixel of the monitor to ensure that the brightness uniformity meets the medical display requirements.

## 5. FocusView /Spotlight

When the lesion focusing function is on, the full-screen brightness is reduced. At the same time, by using the software to capture the coordinates of the mouse, a circular area or a rectangular area with the the mouse coordinates as the center and radius R is highlighted to the highest corrected brightness like a stage spotlight to highlight lesions for easy diagnosis.

## 6. X-ray film viewer

A film viewer mode is built-in the display with film clips, which can be quickly turned on by shortcut key for doctors to read x-ray films.

## 7. Ambient Brightness Adaption

Jusha ambient light detection system can detect the ambient light, further adjust the display effect to make it fitter for eye-viewing and display images under various lighting environments.

## 8.3D LUT color calibration

JUSHA-C350G uses 3D LUT technology. Compared with conventional LUT, 3D LUT is well-suited for accurate color calibration because it can handle all display calibration issues from simple gamma values, color ranges, tracking errors to the advanced calibration of nonlinear properties, color interference, hue, saturation, brightness, etc., basically covering all possible problems with display calibration .

## 9.SmarTouch technology

Jusha developed SmarTouch technology. By clicking the SmarTouch button, the brightness of the display can be instantaneously changed. At the same time, the BIA technology quickly stabilizes the brightness based on quick brightness enhancement technology while protecting the doctor's eyesight during accurate diagnosis.

## 10. Presence Indution/Eco-guardian

Jusha Eco-guardian function detects the presence of people in front of the display using remote sensing. In the set time, it can automatically enter the standby state, so as to achieve better energy-saving and prolong the service life of the monitor. In addition, this function can also identify users and non-living objects such as chairs, making the operation easier and more intelligent.

## 11.Calibration by front sensor

The front sensor can detect the brightness of the light emitted by the display panel, work with the backlight sensor to detect the brightness and ensure that the brightness of the LCD panel meets the DICOM standard.

## 12.Remote quality control system

Jusha professional remote quality control system can remotely monitor and control the status of all Jusha professional displays via a computer network. The field maintenance and calibration of professional medical displays in hospital sometimes affect the hospital's normal operation. Remote operation is more convenient. Jusha remote quality control system provides clients with remote maintenance and monitoring services.

# Specification

Model No.	JUSHA-C350G
Backlight	LED
Size	21.3"
Type (Color/Monochrome)	Color
Active Display	431.923(H)×323.942(V)mm
Resolution	2048×1536/1536×2048
Pixel Pitch	0.2109×0.2109mm
Response Time	20ms(11ms+9ms)
Brightness(typical)	900cd/m <sup>2</sup>
DICOM calibrated luminance(typical)	450cd/m <sup>2</sup> (default) ; 800cd/m <sup>2</sup> (max)
Contrast Ratio ( panel typical )	1400:1
Color Tone	281.47Trillion Colors(16bit)
View angle	≥178° ( CR≥10 )
Sensor	Backlight Sensor / Front Sensor / Human Inductive Sensor / Ambient Light Sensor / Temperature Sensor
LUT	DICOM,GAMMA2.2,GAMMA2.4,DSA,DSI ,CT/MRI
Video Signals	Input : DVI-D×1,DP×1,Output : DP×1
Power Requirements	24VDC-3.75A
Max Power Consumption	80W
Cabinet color	Cold Grey
Dimensions	382mm*635mm*238mm
Dimensions ( Without Stand )	382mm*490mm*77mm
Net Weight	11.1kg
Net Weight ( Without Stand )	6.5kg