JUSHA

M350G
3MP/Monochrome/Diagnostic

3MP Monochrome Diagnostic Monitor

DICOM	Uniformity	QA	Eco-guardian
High Brightness	Ambient Light	SmarTouch	Lightbox
FocusView	16-bit LUT	Energy Efficient	Daisy Chain

Jusha professional display adopts industry-leading LED technology with advantages of high brightness, high grayscale level, uniform brightness, energy saving and environmental protection, and long service life. In addition, it features high resolution, high brightness and 16-bit grayscale (65536 level), 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.

Jusha medical display serves over 2 billion patients

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Version: QZ

Product Features

1. High grayscale

This product features a 16-bit LUT that can display 65536-level grayscale with smoother image 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 correction 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.

This product adopts dynamic LUT technology. Compared with the traditional LUT, DICOM correction is no longer limited to the brightness curve previously set in the LUT. The dynamic LUT technology can be used to perform DICOM correction of the display's real-time brightness and contrast to ensure that the entire brightness range of the medical display complies with DICOM standards.

3. Full-screen brightness equalization calibration 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.

4. 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.

5. Film viewer mode

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.

6. 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.

7. 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 quickly stabilizes the brightness based on the brightness enhancement technology while protecting the doctor's eyesight during accurate diagnosis.

8. Presence Sensor/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.

Specification

Model No.	M350G
Size	21.3"
Type	Monochrome IPS
Resolution	3MP 2048×1536/1536×2048
Aspect Ratio	4:3
Pixel Pitch	0.2115mm×0.2115mm
Max Brightness (Panel)	2000cd/m²
Max Brightness (DICOM Calibrated)	1000cd/m²
Contrast Ratio	1500:1
Response Time (Ton＋Toff)/2	14ms
Color Depth	10bit
LUT Depth	16bit
Viewing Angle	≥178°（CR≥10）
Input Interface	DVI-D*1 (8bit): 2048*1536@60Hz DP*1 (10bit): 2048*1536@60Hz
Output Interface	DP*1 (Daisy Chain)
Life Cycle	50000h
Qualitas QA Softare	√
Power Requirements	100-240V AC 50-60Hz 24VDC-3.75A
Typical Power Consumption	30W
Max Power Consumption	50W
Dimensions（WIth Stand）	382mm * 635mm * 238mm
Net Weight（WIth Stand）	10.5kg

9. 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.

10. 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.