



4K ultra-high-resolution surgical monitor

4K

Surgical

Accurate Color

High Color Depth

Fast Response

A special monitor for endoscopic surgery adopts 4K ultra-high-resolution LCD panel, with accurate color reproduction, good color depth, smooth dynamic range, and wider viewing angle.

This meets today's rapidly changing medical display needs, enabling a clear and precise visualization of the surgical images. Waterproof design, antibacterial treatment, good compliance with electromagnetic compatibility regulations, a variety of video input and output interfaces.

All of these make this product fully meeting the requirements of various applications in operating rooms.

Product Features

1. Accurate color reproduction

All professional monitors in Jusha surgical monitor product line applies 14-bit LUT technology, which can linearly represent more than 4.398 trillion colors, to accurately restore the color of human, so that surgeons can make more accurate judgments.

2. High color depth

This Jusha surgical monitor adopts the highest-level medical liquid crystal panel, which has good color, high brightness and high contrast, so that the layers of each tissue in the operation are well expressed and the clinical image is clear and vivid.

3. Smooth dynamic motion

The response time of this Jusha surgical monitor is less than 18ms, so that it can smoothly present surgical videos from standard resolution to ultra-high resolution, and clearly display the bleeding status and other delicate operations during the operation, without smear and jitter.

4. Meet the operating room purification and anti-interference requirements

This Jusha surgical monitor adopts a dust-free design, which meets the purification requirements of the operating room for surgical equipment. The fully enclosed design can effectively prevent dust and liquid pollution during the operation. The body of the metal shell and the built-in shielding circuit can effectively prevent the interference of electronic surgical equipment such as high frequency electrosurgery on the monitor and ensure the stability of the surgical display.

5. Various interfaces

This Jusha surgical monitor can be compatible with a variety of analog signals and digital signals and can be fully compatible with the world's major camera systems.

Specification

Model No.	E550DG
Backlight	LED
Size	55"
Active Display	1209.6 (H) x 680.4 (V)mm
Resolution	3840×2160
Aspect ratio	16:9
Pixel Pitch	0.315 (H) x 0.315 (V)mm
Response Time	20ms (Rise+Fall)
Brightness (typical)	800cd/m ²
Contrast Ratio	1200:1
LUT bit	14 bit
View angle	≥178°
Presets	GAMMA2.0 GAMMA2.2 GAMMA2.4 GAMMA2.6 DICOM
Video Input	DVI×1 DP1.2×1 HDMI2.0×1 HDMI1.4×1 3G-SDI×3 12G-SDI×1
Video Output	DVI×1 3G-SDI×3 12G-SDI×1
Power Requirements	100~240VAC, 50/60Hz
Max Power Consumption	200W
Typical Power Consumption	150W
Cabinet color	White
Dimensions (Without Stand)	745.7*1261.4*79.6mm
Net Weight (Without Stand)	40Kg
Hole Spacing	VESA: 200*200mm/600*200mm
OSD Language	English, Chinese



Jusha medical display serves over 2 billion patients

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