

HOW TO SELECT THE RIGHT SURGICAL MONITOR



Check list



Size: Select a size that suits your room, considering viewing distance and image resolution. Consult sizing calculators or specialists for guidance.



Input Options & Compatibility: Check compatibility with surgical video source equipment and cabling (e.g., 12G SDI, HDMI, DP, DVI, and RS232). Confirm source resolution will be viewable on monitor.



Compliance with Medical Standards: Confirm that the surgical monitor meets local medical standards.



Mounting and Positioning: Ensure the monitor's VESA size matches your mounting fixture and the monitor offers a wide viewing range for all team member's visibility. Adhere to mounting weight specifications.



Sterilization Compatibility: Ensure the monitor is easy to sterilize to maintain a sterile environment. Select full front glass monitors for easy cleaning without seams along the bezel.



Power: Look for monitors with built-in power outputs for small devices such as fiber extenders.



Safety Bumpers: Choose monitors with safety bumpers to prevent accidents in busy operating rooms.

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Reviews and Recommendations: Seek input from medical professionals and see installation cases to gain insights.



Installation Base: Consider a manufacturer's experience in making surgical monitors for reliability, regardless of the brand. Ask how long they have made surgical monitors and where are they installed.



User Interface: Confirm the monitor has a user-friendly interface for ease of use. Will more than one video be shown at a time and if so how many?



Adaptability: Opt for a high-resolution safe medical-grade monitor, for precise visuals and future readiness that can adapt to the highest resolution or fastest response time.



Work closely with your hospital's IT and procurement departments to ensure the monitor aligns with policies. Prioritize accuracy, reliability, and compliance with medical regulations.



Your turn: Describe a new item you would like to add to the checklist.



Answer the questions on page 3 and send us your answers. With this information, we can recommend the best monitor for your use case. Or have additional questions? Email- rhager@fsnmed.com

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Answers Section



☐ Image source resolution(s):



☐ Multiple images on one screen at a time (Multiview):



☐ Input cabling: RS232, HDMI, DP, 12G SDI, SDI, or...?



☐ Room size, mounting area dimensions, and viewing distance:

Monitors size:



☐ Mounting VESA size & maximum weight :



☐ Small devices to power:



☐ 4K, 3D, or HD:



Hello,

Choosing the appropriate surgical monitor is critical for the precision of medical procedures. Here's a simplified checklist to assist you in making the best choice. We also offer various medical video accessory items to simplify your build including routing, fiber, and wireless solutions.



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**This is a general overview of how to choose a surgical monitor and represents my opinion. It is not comprehensive. If you have questions, suggestions, or counterpoints, please message us to discuss.
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