SONY

4K 3D Imaging Workflows for Robotic Surgery

View. Record. Share. In 4K 3D.

Included in this brochure

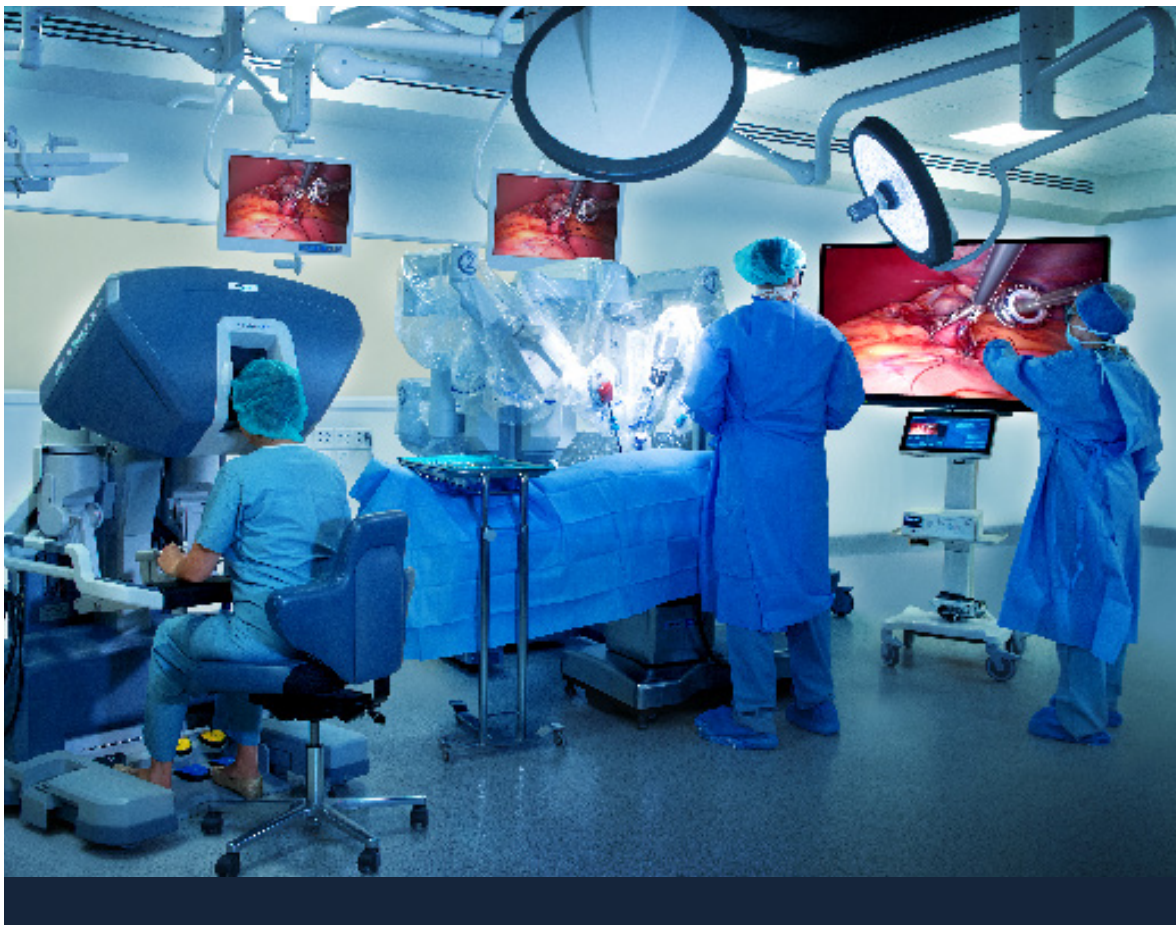
Improved Depth Perception

3D imaging technology

4K 3D documentation

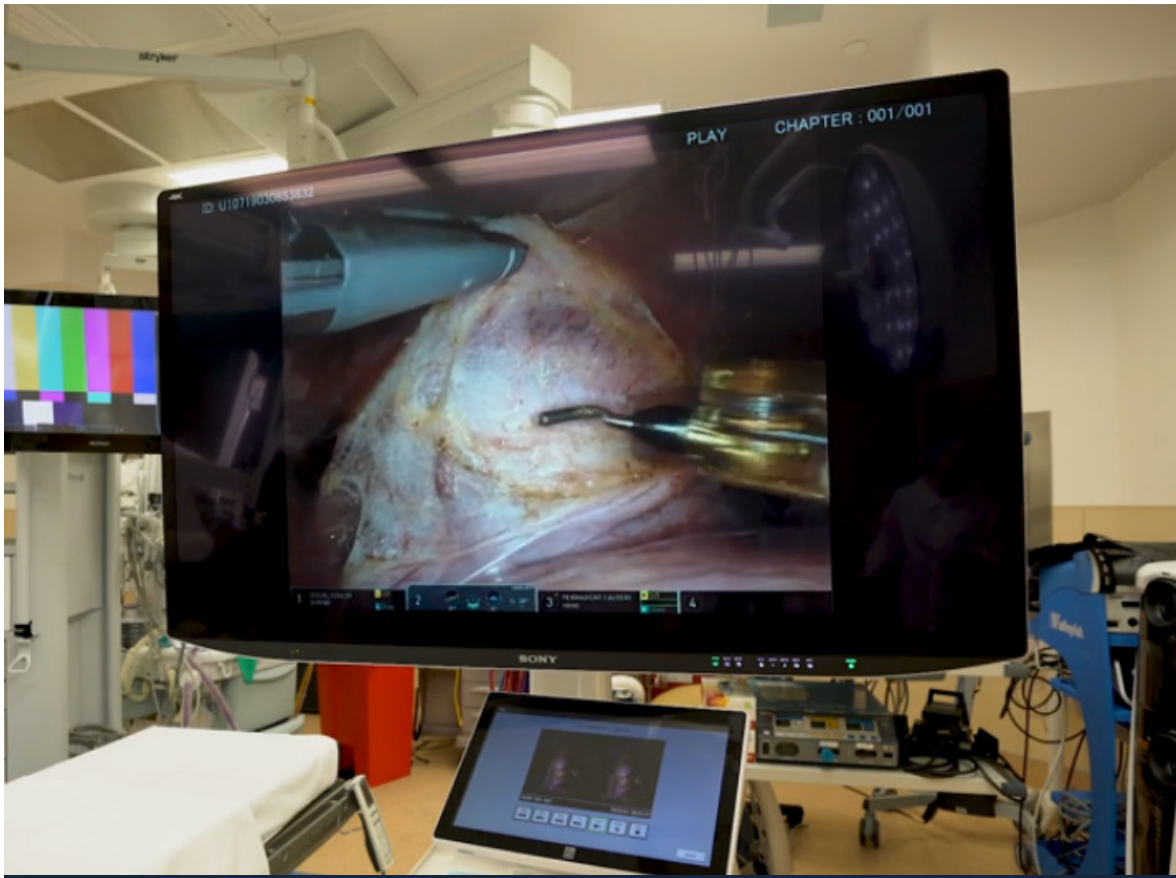
3D for the entire robotic surgical team

Your commitment to 3D robotic surgical imaging shouldn't stop at the primary surgeon's console. Now Sony's solution for daVinci® robotic systems enables secondary surgeons, nurses and medical students to see surgical images in vivid 4K 3D. You get closer teamwork and collaboration, more effective teaching and the opportunity for better patient outcomes.



Smart 3D imaging workflow

Sony 3D imaging technology represents a breakthrough in medical precision, allowing surgeons to capture detailed insights and spatial orientation during complicated operations. The delivery of pin-sharp images is achieved by combining our 3D technology with Sony advanced LCD displays. 3D is critical as it provides depth perception just like natural vision, giving the surgeon and clinical staff in the OR more confidence to position instruments and therefore to operate with more safety and speed.



3D recording and documentation

Our 4K 3D documentation workflow is designed with medical training and post operative review in mind. Whether it is a training session or a medical conference, sharing surgical content in 3D provides the same immersive experience as being present during the surgery in person. This offers a critical advantage as larger numbers of residents and students can be trained using recorded footage in 3D at a given time.

We support a wide range of workflows

	4K 3D Surgical imaging	**3D** Surgical imaging
Capture	Camera module	
Share	NUCLeUS	
Display	LMD-X550MT LMD-X310MT	LMD-2451MT
Documentation Systems	HVO-4000MT	HVO-3300MT

KEY: PRODUCT = Link to website = Quick View

Sony helps MountainView visualise robotic surgery in vivid 3D 4K

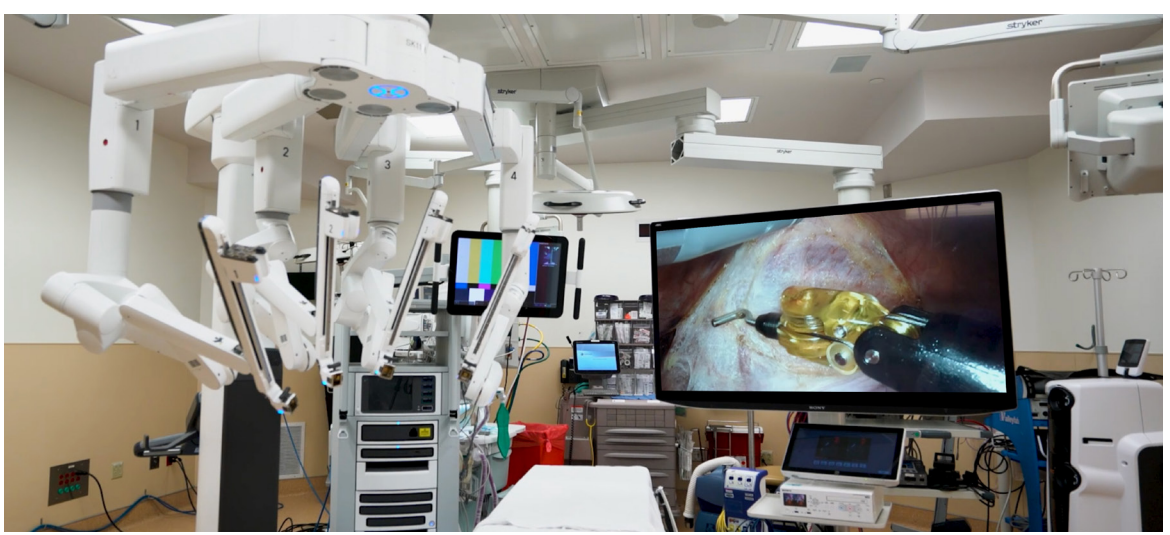
Sony 4K 3D surgical monitors and medical video recorder are providing surgeons and OR staff at Las Vegas hospital MountainView with an immersive view of procedures performed with Intuitive Surgical's Da Vinci robotic systems.

Application: Robotic surgery
Location: MountainView Hospital, Las Vegas, Nevada
Country: USA

Read full case study

"There is immense value in providing everyone in the room with the same vantage point and vision. Everyone in the OR can visualize better- with more depth and precision".

Alex Lesani
Urologist, Las Vegas Urology



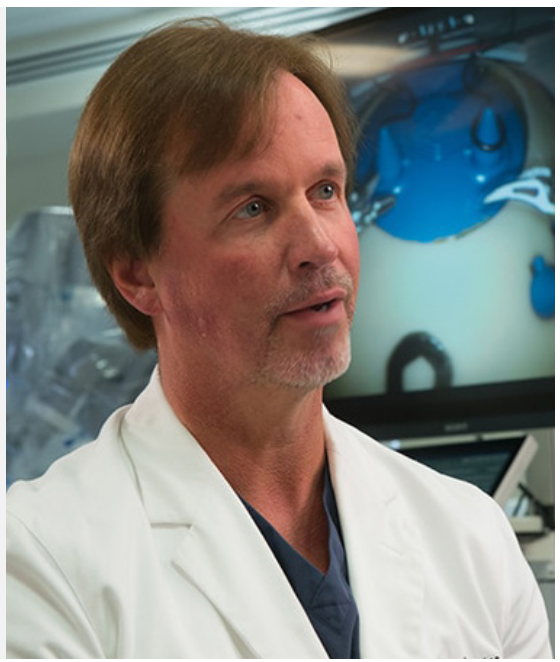
Florida hospital enhances training and education with next-generation Sony 4K and 3D medical technology

The Nicholson Center noted that providing the OR team with the same view that the surgeon is seeing has resulted in time savings, cost savings, improved accuracy, and has led to enhanced instruction and education – all while making good on the Nicholson Center's mission to offer products, knowledge and experiences that differentiate them from the competition.

Application: Robotic surgery
Location: Nicholson Center, Florida
Country: USA

"These new 4K 3D monitors present images that resemble the real field. The depth perception and clarity give me an experience that is exactly the same as if I were looking through a microscope or a robotic console. This allows me to give better narration and instruction to the surgeon, because I can see what they are doing."

Scott Magnuson
MD, Chief Medical Officer, Nicholson Center



Read full case study

For more information about Robotic Surgery Imaging Solutions, get in touch with our Healthcare Solutions Team.

Contact us

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