

TrueVision 3D surgical incorporates JVC GD-463D10 3D monitor

JVC Professional is pleased to announce that TrueVision 3D Surgical, a leader in digital 3D visualisation systems for microsurgery based in Santa Barbara, California, is using JVC's GD-463D10 46-inch 3D LCD HD monitor as part of its real-time 3D visualisation platform. The system allows surgeons to view a surgical procedure on a high-resolution monitor instead of looking through a microscope.



Basically, in surgery, visualisation is everything, explained Rob Reali, vice president of operations and marketing. The better the surgeon can see, the better the surgery is probably going to go. TrueVision frees the surgeon from the bondage of being stuck on the eyepiece.

Designed to record, edit, and playback 3D 1080p content, the TrueVision system seamlessly brings patient data and images from the exam room into the OR. It also provides additional benefits, including better ergonomics for the surgeon and improved operating room team synergy, because the whole team can see and follow the procedure. The company is also working on a guidance platform for microsurgery, which is currently in a clinical study.

TrueVision began offering its 3D visualisation systems equipped with JVC [GD-463D10](#) monitors about a year ago and has already sold dozens of systems to doctors, hospitals, and medical 3D theatres. Before integrating the JVC 3D monitor, TrueVision systems included a cumbersome dual-projector system, complete with a large, folding screen.

JVC's 3D monitor is a game changer for TrueVision in the most positive sense, said Reali.

Reali said a passive 3D system is mandatory for TrueVision, because active shutter glasses have too many potential problems. With its integrated Xpol polarizing filter, the JVC GD-463D10 monitor uses inexpensive polarized (passive) glasses to produce flicker-free 3D HD images.

The processing speed of the GD-463D10 is also very important. Surgeons are operating in real time, Reali explained. Their hand movements have to match exactly. The JVC monitor has no noticeable delay [latency] from the real-time action at the surgical target to what you see on the screen.

Image quality is also critical – surgeons will not use a monitor if it does not provide as good or better images than what they see through the eyepiece. Reali said surgeons using the TrueVision system appreciate the excellent colour and contrast ratio of the GD-463D10U, which accurately displays the subtle shades that can mean the difference between cancerous and non-cancerous tissue.

"TrueVision's image quality is so good, neurosurgeons use it to perform surgery directly from the screen, added Forrest Fleming, CEO, TrueVision Systems. That says a lot about JVC's 3D display technology.

ABOUT TRUEVISION 3D SURGICAL

TrueVision 3D Surgical is the leader in digital 3D visualisation for microsurgery. TrueVision has developed and patented an intelligent, real-time 3D surgical visualisation platform. The company is developing a suite of specific 3D surgical guidance applications for microsurgery that is expected to positively impact patient outcomes.

(www.truevisionsys.com)