

Carl Zeiss advances surgical visualization with new 3D HD video system for the OPMI PENTERO microscope

Compact and flexible video system TRENION 3D HD for OPMI PENTERO platform introduced at the Congress of Neurological Surgeons in Chicago

TRENION® 3D HD, a flexible and modular extension to the global best-selling OPMI® Pentero® and OPMI® PENTERO® 900 surgical microscopes of Carl Zeiss, allows for high-definition, three-dimensional co-observation inside and outside the operating room. The solution supports live image transmission and usage of recorded videos for various education and training scenarios, offering residents, OR teams and conference attendees the possibility of visualizing the surgical procedure from the surgeon's vantage point. TRENION 3D HD was recently introduced at the Congress of Neurological Surgeons Annual Meeting in Chicago, Illinois October 6-10, 2012.

With TRENION 3D HD, the medical technology provider Carl Zeiss Meditec AG brings the stereoscopic 3D experience to groups inside and outside the operating room. Leveraging the open platform approach of the gold standard OPMI PENTERO visualization system, TRENION 3D HD enables surgeons to effectively share brilliant, apochromatically corrected three dimensional images only previously seen through the eyepieces of a surgical microscope. The 3D visualization of the surgical field enables a more comprehensive and detailed understanding of complex anatomy. Live streaming capability in full HD quality enhances the educational experience to audiences outside of the operating room without compromising microscope balance and movement.

With seamless integration into existing IT infrastructures, system start-up at the press of a button and simultaneous video recording on the external USB hard drive and integrated recorder, surgeons can focus on the clinical procedure. The TRENION 3D HD system is sufficiently flexible to be transported from room to room and from system to system.

“Whether in real-time or pre-recorded conditions, surgeons are now able to fully engage neurosurgical staff in the surgical experience and to intuitively share insights and knowledge of procedures and complex anatomy”, says Dr. Ludwin Monz, President and CEO of Carl Zeiss Meditec AG. “Based on the gold standard OPMI PENTERO 900 visualization system, TRENION 3D HD provides an immersive 3D high-definition surgical experience advancing neurosurgical education and training.”

The product is currently available for sale in the US and soon to be released in Europe, Canada and other markets.

Please find the complete text and further information here: http://meditec.zeiss.com/meditec/en_de/home.html

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