

Leica Microsystems, TrueVision 3D debut ophthalmic surgical microscopes commercially

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Posted By: Lee Dubay

Associate Editor, BioOptics World

Leica Microsystems (Wetzlar, Germany) and TrueVision 3D Surgical (Santa Barbara, CA) have made the Leica M844 and Leica M822 ophthalmology microscopes with TrueVision 3D visualization, recording, and editing technology available worldwide.

TrueVision 3D technology facilitates operating room (OR) communication, as everybody can see on the screen what the surgeon sees through the eyepieces of the microscope. The TrueVision 3D visualization system for teaching simultaneously streams 3D and 2D video to the supplied monitor or external monitors in the OR or even across the globe. Recorded videos can then be easily edited to serve surgeons in teaching outside the OR.

Surgeons can select from an integrated or stand-alone version of the TrueVision 3D visualization system. The integrated system saves space in the OR and ensures cables are hidden, while the stand-alone version allows flexible positioning of a 3D cart in one or more ORs, according to preferred setup and teaching requirements.

Hironobu Yamanaka, Director Ophthalmology at Leica Microsystems, says that the integrated TrueVision 3D visualization technology allows surgeons to share anterior and posterior surgical techniques with their colleagues and students.

The modular design and the Open Architecture of Leica Microsystems' surgical microscopes allow for upgrades and integration of digital imaging and data systems. In addition, TrueVision 3D technology is also upgradable for future surgical guidance applications.

In 2013, the two companies collaborated to launch the first neurosurgical microscopes with integrated TrueVision 3D technology, the Leica M720 OH5 and Leica M525 OH4, and expanded their cooperation into ophthalmology in April 2014.

For more information, please visit <http://www.leica-microsystems.com/products/surgical-microscopes/ophthalmology>.