TRENION 3D HD

3D Visualization An Immersive Learning Experience A novel stereoscopic, high-definition video device, TRENION™ 3D HD extends the frontiers of surgical visualization. Leveraging the open platform approach of the gold standard OPMI® PENTERO® 900, OPMI PENTERO 800 and OPMI Pentero surgical microscopes, TRENION 3D HD enables surgeons to effectively share brilliant, three dimensional images only previously seen through the eyepieces of a surgical microscope.

Optical Performance Apochromatic optics provide brilliant, stereoscopic images enabling a more comprehensive understanding of complex anatomy Live streaming capability in full HD quality enhances the educational experience to audiences outside of the operating room Simplicity Simple-to-use design Immediate access to video via simultaneous video recording on external USB hard drive and integrated recorder Start-up at the press of a button

Integration Integration with OPMI PENTERO 900, OPMI PENTERO 800 and OPMI Pentero in both form and function Elegant and compact design Surgeon-controlled video capture via handgrip

Camera type 2x 3-chip HD Recording HD Video Recorder including 320 GB HDD (MPEG4) 3D Monitor Display Size 42” Storage media External disk drive 500 GB USB Stick 3.0, 32 GB Weight Approx. 127 kg Input voltage 115/ 230 (V~) Power frequency (Hz) 50/ 60 (Hz) Connected load 650 (VA)

Brilliant 3D HD Image Quality Brilliant video quality through fine-tuned ZEISS apochromatic optics with 2x 3-chip HD video cameras in an OPMI PENTERO 900 / OPMI PENTERO 800 / OPMI Pentero optimized camera head. Simple Video Documentation & Sharing Simple Video Documentation & Sharing Get immediate access to recorded videos in a common video file format (MPEG4) without transcoding. Start parallel recording on USB HDD or Blu-ray DVD with networking capability (FTP/CIFS) via Ethernet output. Ergonomic Design with a Workflow Focus Ergonomic Design with a Workflow Focus Workflow optimized solution via the OPMI handgrip or footswitch. Sterile control of video recording start and stop functions can be operated with the OPMI handgrip. Optimized camera cable management ensure free movement of the OPMI head.