

eyetracking in new dimensions

With SMI OEM Solutions you control all eye motions and improve the surgery workflow!

OEM Supplier for Imaging Technology

Over 15 years of applications expertise and international project management makes SMI the driving force behind the developments in a range of industries for medical imaging solutions.

SMI is the market leader in the field of refractive eye tracking & registration solutions and offers complete OEM eye tracking systems based on SMI's high performance DSP processing technology, SMI's high sensitive camera technology and powered by SMI's cutting edge computer vision algorithms.

Customization of SMI Technology for YOUR Product

Customization of SMI's technology for today's and tomorrow's system environments is an optimized and well established process at SMI. From optics, illumination, mechanics, hardware and software architecture to software algorithms, software interfaces and production aspects, you will find the right experts and dialog partners at SMI.

SMI provides professional integration and customization services with high quality managed products at full service integration. As an ISO 9000 certified company in medical area we know how to manage long term supply fitted to your needs of medical products.

SMI Solutions Suite for Refractive Surgery

- 6D Eye Tracking for simultaneous compensation of all eye motions
- Autopilot patient positioning for auto-center and -focus
- Low latency tracking faster than 1000Hz
- Registration of eye position and rotation between diagnosis and surgery using iris or blood vessels
- Limbus tracking for pupil center shift compensation
- Dynamic cyclotorsion compensation
- Dynamic depth tracking
- Automatic fixation control

If you aim to improve clinical outcome and workflow we are ready to deliver the ultimate eye-tracking technology.

We want to keep you focused on the most important aspects to improve your refractive surgery product! Rely on SMI as a solid partner for your eye tracking and registration needs.

