The integration with SMI eye tracker devices lets you collect and visualise eye tracker data in Qualisys Track Manager (QTM). The SMI data is visualized as a gaze vector with a toggleable vector trace. If used together with video from an Oqus camera, 3D overlay is also possible.

**FEATURES**
- 2D/3D data in QTM
- Gaze vector with vector trace
- 3D/Video Overlay
- Real-time output

**BENEFITS**
- Combine eye & body movements
- Understand human interaction
- Improve performance

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SMI – Eye tracking in QTM

Naturally, SMI eye tracker data can be plotted just like any other data type in QTM. Besides visualisation, gaze vector data can be exported to tsv, MATLAB or be gathered by external via the real-time streaming protocol.
Connect Gaze and Motion

The Gaze and Motion Package for SMI Eye Tracking Glasses (ETG2w) allows researchers, clinicians and professionals to assess interaction of eye and body movements, e.g. in

- behavioral neuroscience
- biomechanics
- clinical rehabilitation research
- sports training and many more fields

Behavioral psychologists, neuroscientists and biomechanics researchers can assess hand-eye coordination – how it is learned, how it is optimized, how it is affected by disease, ageing or injury, and how it can be utilized as a rehabilitation tool.

Clinical researchers can use the information to advance behavioral and neurological diagnosis and rehabilitation.

Sports scientists can make complex estimations of athletes’ kinetics, kinematics and performance in indoor and outdoor situations. They can give visual feedback on gaze and motion patterns to help athletes improve their performance.

Dr. Daniel Lewkowicz & Dr. Yvonne Delevoye
Turrell lab. URECA, Université Lille III:

“We used SMI Eye Tracking Glasses together with Qualisys motion tracking to examine how predictive gaze information is conveyed between two humans during real-time social interactions. It was one of the first attempts to combine both kinematics and portable eye-tracking devices in a true interactive face-to-face paradigm. Simultaneous recording of the kinematics of arm, hand and eye movements of two participants allowed us to study both joint action and joint attention in a truly interactive manner.”

The SMI optical head and motion tracking module for the ETG2w enhances SMI’s mobile eye tracking technology with real-time streaming of 6D gaze vectors in headtracker coordinates.

The module includes a set of retroreflective markers that are attached to a magnetic snap-on frame for the seamless integration with the ETG. The ETG2w smart recorder adds wireless connectivity with no compromise on mobility to the Gaze and Motion Package.