

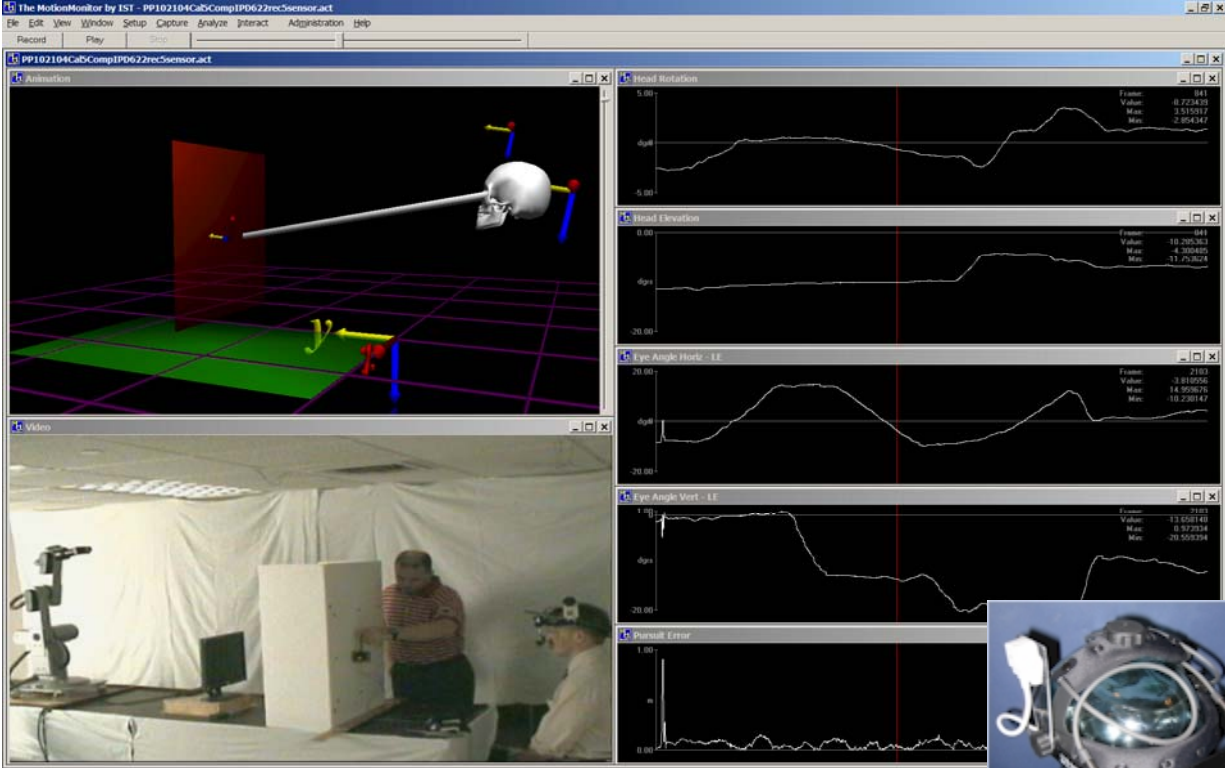


The MotionMonitor base unit shown here with Ascension magnetic trackers, Extended Range Transmitter and Bertec non-conductive forceplates.

the most advanced data acquisition and analysis system in the market place offers precise measurement of human motion for applications in...

EyeLink[®] II Eye-tracking & 3D Gaze

- ❑ Track right eye, left eye, 3D gaze, or cyclopean eye vectors.
- ❑ Calibrate using standard EyeLink[®] II procedures.
- ❑ Compute gaze vector/plane intersections using drop-down menus.
- ❑ Report data in any reference frame including world, head, or defined planes of any size or number to represent tables, walls, floor, or computers.
- ❑ Track head orientations using Motion Analysis Corporation passive markers, Qualisys passive markers, Ascension Flock of Bird magnetic trackers, Polhemus Liberty magnetic trackers or Optotrak 3020 & Optotrak Certus active markers.
- ❑ Collect full body kinematics & gaze during gait, balance, or eye-hand coordination studies.
- ❑ Include data from EMG, force plates, event markers, and integrated video.
- ❑ Combine with stereoscopic displays for tracking virtual objects in neuroscience studies.



As verification of head compensation and co-location, the subject is tracking the moving sensor that is being guided by the researcher. The animation displays the location of the subject's 3D gaze along with the location of the moving sensor's axes. The data graphs represent head orientation, eye angle and pursuit error.



Real time **data** acquisition, analysis, and 3D visualization.
 Turnkey **hardware** solutions. Upgradeable as your needs change.
 Research Design & System Engineering **consultation**.