Application Description

Record and analyze eye position and movement, or observe vestibular response or “jitter” wirelessly with BioNomadix®, or with tethered amplifiers and the powerful MP150 research system. For precise pupil tracking and movement analysis choose from a variety of complete eye tracking systems for binocular and monocular assessments. Use AcqKnowledge® tools to calculate movement, rate, direction, frequency, distance and velocity. For attention studies, use the X/Y plotting function to track eye travel and point of focus during or after data collection. For eye travel studies and reading experiments, use AcqKnowledge® to process raw EOG data to isolate signal behavior associated with nystagmus, saccades and microsaccades. Present visual, auditory, or electrical stimulation via stimulus presentation programs including SuperLab, E-Prime, or Vizard and record corresponding EOG responses.

Advanced Features

- Eye Tracking
- Eye Travel and Position
- Vestibular Function
- Saccadic Eye Movements
- And More

Watch Automated Analysis Video Tutorials at the BIOPAC Website!

Selected Research Citations Below

**Search online for more than 1,220 BIOPAC citations for EOG: Electrooculogram**

**Digital Eye Strain and Fatigue Recognition Using Electrooculogram Signals and Ultrasonic Distance Measurements**


**Electrooculograms for Human–Computer Interaction: A Review**

Won Du Chang (2019). School of Electronic and Biomedical Engineering, Tongmyong University, Busan, Korea

**Effect of Prefrontal tDCS on Dopamine-Mediated Behavior and Psychophysiology**


**Mindfulness Training Disrupts Pavlovian Conditioning**


**The Effect of a Visual Distraction on Test-Taking Performance**


**Auditory Attentional Disengagement in Children with Autism Spectrum Disorder**


**Sleep is a Refreshing Process: An fNIRS Study**


**Children’s Appraisals of Maternal Depression and Responses to Emotional Faces in Early Adolescence: An Event Related Potential (ERP Study)**


**Long-Term Effect of Visual Fatigue Caused by LEDS with Modulated Light**

Lili Wang, Yan Tu, (2019). International Conference on Circuits, System, and Simulation (ICCSS)

**Emotion Recognition Using Fused Physiological Signals**

Diego Fabiano, Shaun Canavan, (2019). 8th International Conference on Affective Computing and Intelligent Interaction (ACII)