iView X[™] Hi-Speed PRIMATE[™]

Eye Tracking Solution for Non-Human Primates



The Challenge

• Eye movement research on non-human primates requires a system which is easy to set up and involves as little extra training of the monkey as possible.

Physiology, neurology, and vision research on primates often requires high spatial and temporal resolution and flexible analog voltage output.

Scleral search coil-based systems (SCC) can be very difficult to set up. The coils require expensive surgery and can break.

The Solution – Hi-Speed PRIMATE™

The Hi-Speed PRIMATE[™] system sets the new standard for non-human primate eye tracking by uniquely combining robust and precise measurement with easy, non-invasive setup & streamlined operation.

Hi-Speed PRIMATE™ offers

- Non-Invasive, Easy & Quick Set-up
- Robust & Reliable Tracking Adaptive algorithms for efficient operation and superior results
- Fast & Accurate Measurement
 Sample rate up to 1250Hz
 Resolution down to 0.01°
- Maintains Workflow

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Direct Analog Calibration (DirectCalibrate[™]) is following the same principle as scleral search coil systems by setting gain & offset

- Synchronization & Communication Integrates with stimulus software (e.g. NBS Presentation[®], E-Prime[®], Superlab[™]) through TTL triggers, serial port, and Ethernet
- Real-Time Analog & Digital Eye Data Transfer
- Eye Data Analysis Software Available for saccade and fixation analysis
- SSC/REX Compatibility Compatible with data acquisition hardware systems, including REX

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- Up to 1250Hz sampling rate
- Replacement for Coil Systems
- Mono-/Binocular
- Completely Non-Invasive
- No Consumables
- Maintains
 Workflow
- High Spatial Resolution
- DirectCalibrate[™]





