



Video Tracking Software for Animal Research Applications

FEATURES

- » Tracks uniquely colored points in real-time or from offline video
- » Records LED positions, velocities orientations (for LED pairs)
- » Uses USB webcam; no frame grab-bers or compression cards required
- » One-click automatic calibration optimizes tracking in any light condition
- » Easy conversion from pixel space to environmental distance with optional user-definable sub-regions
- » Offered as standalone executable or integrated within NeuroWare®
- » Real time display of tracked positions and paths can be synchronized with NeuroWare® DAQ data
- » Automatic mistracked data identification and interpolation
- » Offline manual and semi-automatic data editing
- » Videos stored as .avi files; position information files stored as text, binary, .xls or .mat

USB Webcam



Wireless Headstage with LEDs



PRODUCT DETAILS

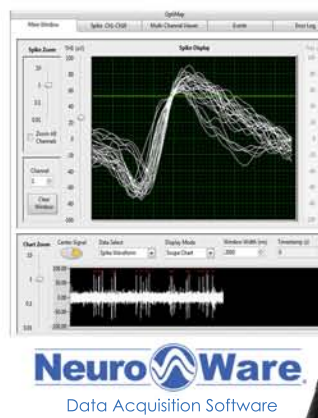
OptiMap™ provides researchers with an array of tools for the purpose of tracking and organizing data related to animal movement. We designed this software for simplicity - viewing and editing tracking data is easy and intuitive, and our powerful path interpolation functions significantly reduce time needed for filling in missing or mistracked data points.

The program is available as a stand-alone application or integrated within NeuroWare®, TBSI's neural data acquisition platform, allowing you the option to synchronize position data with your animal model's neural activity.



Looking for a way to maximize the quality and productivity of your data acquisition?

OptiMap™ provides real-time & offline LED tracking, time-saving post-processing functionality and option for data synchronization with NeuroWare™ data sets



NeuroWare® provides user-customizable digital filtering & referencing, spike triggering & multiple data viewing options (for use exclusively with TBSI neural recording systems)



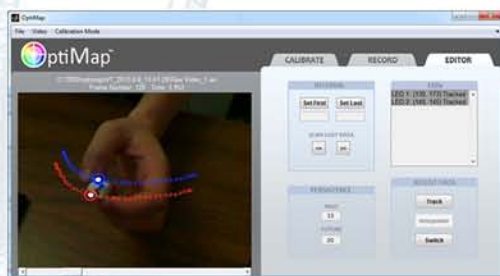
CALIBRATE

Optimize your camera's settings with just one click to acquire light source (ie. LED) position information in any lighting conditions, especially in dimmer environments.



RECORD

Obtain animal position data with or without neural activity data synchronization. View the program's tracking progress and accuracy in real time with adjustable data displays.



EDIT

Quickly cycle through data points that have been automatically tagged as mistracked or missing. Interpolate groups of incorrect data or manually adjust individual data points as you see fit.