



Available plug-ins for Viewer tracking software

Barnes Maze	calculates all relevant Barnes Maze parameters. Includes real time statistics, group analysis and group comparison
Custom Export	creates user-defined export files of your data
Dual Cage	long term observation and script control of external devices
Directions	issues distances and turn angles for each frame to frame measurement
Distance Analyzer (social)	computes distances between an animal and several zones in the tracking arena
Database	collects information on a test series from an external database to automate the saving of result files and provides series analysis
Diagram Plus	issues special diagrams like Heat map (probability of presence) or Speed profile
Directions	issues distances and turn angles for each frame to frame measuring interval
Distance Module	computes distances between an animal and several zones within the tracking-arena
Elevated Plus Maze	registers durations of stay, latencies, number of entries and suchlike data of an animal in the arms of an elevated plus maze arena
Event Recorder	a useful tool to log up to 25 self defined behaviors by keyboard shortcuts
Free Exploration Test	for examining an animal's novelty/anxiety behavior concerning the boxes of the free exploration test or open box test
Freezing	detects freezing behavior according to user defined filters and shresholds
High Throughput	enables the Viewer to batch-analyze a great number of videos with no need to attend it
Hole Board Test	measures hole examinations with light beams, locates the examination by video tracking and delivers advanced statistics to describe memory performance
Individual Raw Data	this tool produces track point coordinates export with zone reference and individually composed meta data like animal name, date, and more...
Interval Analyzing	provides statistics on experiment timelines
IP Control	With this plug-in, third party software can control <i>Viewer</i> via ethernet
Monitor Trainer	for animal conditioning via video display with several monitors
Object Recognition	delivers distances to an object's margin, detects sniffing behavior and analyzes the animals body axis alignment towards objects
Project Administration	executes scheduled experiments
Radial Maze	records strategy and time parameters of animals in a radial maze test. The plug-in includes a session planner and a subject validation function
Rearing	detects vertical movements of animals (caused by sitting upright) by using video cameras and photoelectric barriers
Remote control	makes the Viewer sensitive for remote control signals. If the keyboard is out of reach and no colleague is available to put the animal in the arena, you can still start and stop acquisition in the very best moment.
Rotation	first tool offering user adjusted detection of count, speed and angle of rotation behavior in mice
Simple Analog	analog data can be visualized and saved together with the tracking data
Simultan Start	one Viewer can start an unlimited number of other Viewers within the network

Social Contact	registers social behavior automatically (for example contacts, active vs. passive contacts and aggressive vs. submissive contacts)
Stream Server	sends raw data via TCP/IP to external programs, running on the same computer or somewhere in the network
Tape Analyzer	half-automatic method to analyze movies stored on tapes of video cameras
Ultrasound	gathers synchronized sound events to your video tracking (supports Avisoft)
Water Maze	raises all typical parameters for >Morris Water Maze tests and more
Y Maze	registers durations of stay, latencies, number of entries and suchlike data of an animal in the different arms of an elevated Y maze arena
Zone trails	logs each single zone entry, exit and duration of visit