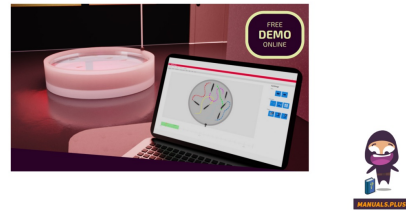**Manuals+** — User Manuals Simplified.

LoliTrack 5 Video Tracking and Behavior Analysis Software

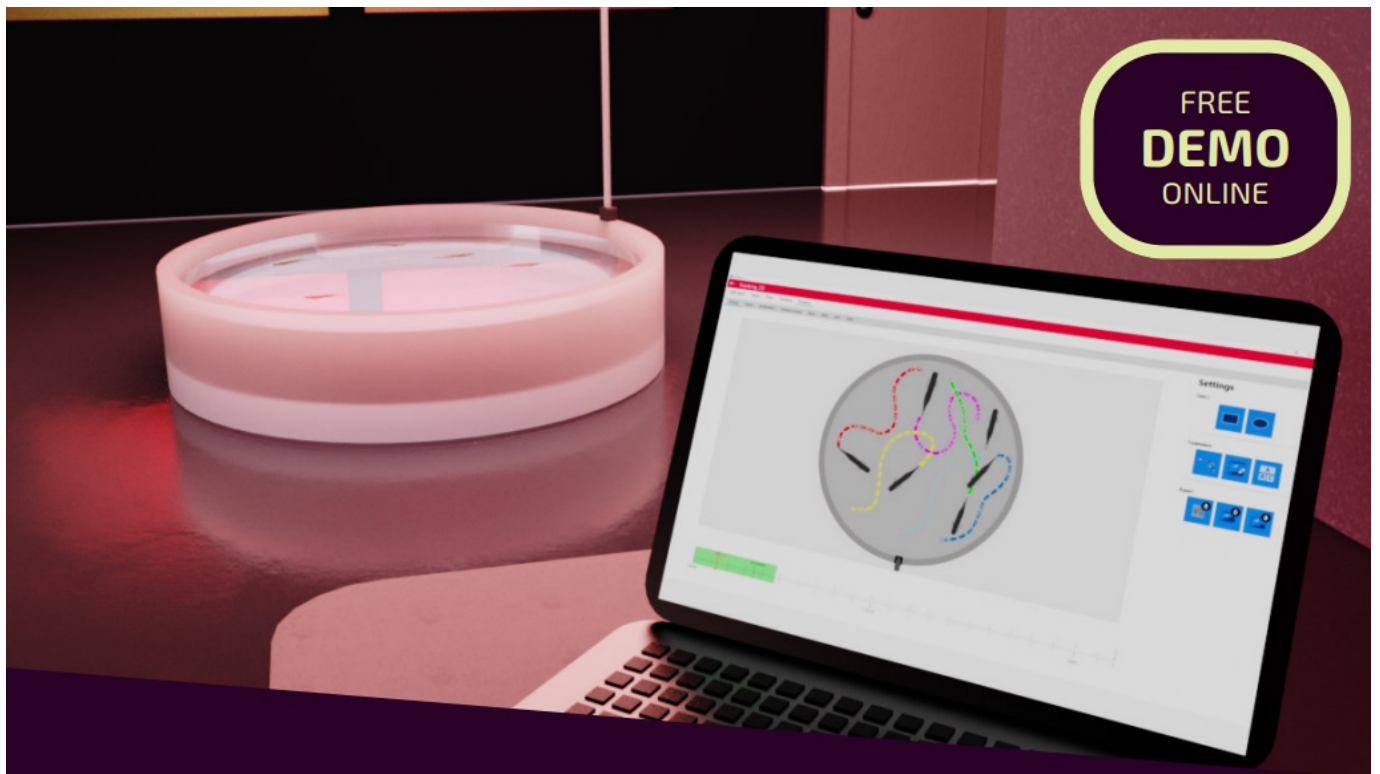# LoliTrack 5 Video Tracking and Behavior Analysis Software User Guide

Contents

LoliTrack 5 Video Tracking and Behavior Analysis Software

Product Information

- **Specifications:**
  - **Product Name:** LoliTrack 5
  - **Type:** Video tracking and behaviour analysis software
  - **Features:** Multiple Individuals Tracking, Kinematics Analysis, Heat Mapping, Heart Rate Monitoring
  - **Demo:** Free online demo available
  - **Website:** www.loligosystems.com
  - **Email:** mail@loligosystems.com

Product Usage Instructions

- **Installation:**
  - Download the LoliTrack 5 software from the official website. Follow the installation instructions to set up the software on your computer.
- **Setup:**
  - Launch the LoliTrack 5 software and configure the settings according to your tracking and analysis requirements.
- **Video Tracking:**
  - Import the video files you want to analyze into the software. Use the video tracking feature to track multiple individuals simultaneously.
- **Behavior Analysis:**
  - Utilize the behaviour analysis tools provided in LoliTrack 5 to analyze the movements and interactions of the tracked individuals.
- **Kinematics Analysis:**
  - Access the kinematics analysis feature to study the motion patterns and dynamics of the subjects in the videos.

- **Heat Mapping:**
  - Generate heat maps based on the movement data collected during tracking to visualize hotspots and activity patterns.
- **Heart Rate Monitoring:**
  - If applicable, integrate heart rate monitoring devices with the software to analyze heart rate data alongside behaviour and movement patterns.

FAQs

- **Q: Is technical support available for LoliTrack 5?**
  - A: Yes, technical support is provided by contacting support at mail@loligosystems.com
- **Q: Can I track more than one individual in a single video?**
  - **A:** Yes, LoliTrack 5 supports tracking multiple individuals simultaneously.
- **Q: Are there tutorials available for using the software?**
  - **A:** Yes, you can find tutorials and guides on the LoliTrack website to help you get started with the software.

FEATURES

- No subscription fees. Free updates. Install on multiple computers.
- Track single and multiple free-ranging animals
- Contrast or background subtraction tracking (no markers needed)
- Any size or shape of the arena, e.g., maze, tank, pen, chamber, etc.
- Works with most video cameras and file formats
- Track tiny organisms in 24-, 48-, and 96-well microtiter plates
- Built-in video recorder and editor
- Setup multiple zones of interest
- Analyze entire videos or just user-defined intervals
- Data output for individuals, treatments, and zones
- Track specific body points for kinematic studies or biomechanics
- In-depth analysis tools with customizable graphs
- Export data (to Excel), images, and videos
- Frequency tool for heart rate, ventilation, and tail beat frequency
- 3D tracking with exportable coordinates and trajectories
- Batch analyzes multiple videos to save time
- Correct tracking errors with ease
- Fast performance on regular office PCs
- Genuine Windows 11 64-bit software

APPLICATIONS

- Microplate analysis (e.g., ZF embryos)
- Behavioural phenotyping (focal animals)
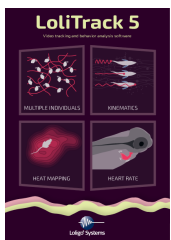- Rodent assays (e.g., maze, open field)

- Group behaviour (e.g., insects, fish)
- Locomotory behaviour (e.g., kinematic)
- Social and sexual behaviours

PARAMETERS

- Active/Inactive
- Acceleration
- Bend
- Direction of movement
- Direction of Orientation
- Distance moved
- Distance to the centre of the zone
- Frequencies (tailbeat, heart rate etc.)
- Inter-Individual Distance
- Nearest Neighbor Distance
- Speed
- Turning rate movement
- Turning rate orientation
- Velocity
- X/Y position (raw and calibrated)

MULTIPLE INDIVIDUALS   KINEMATICS

HEAT MAPPING   HEART RATE

www.loligosystems.com.

Documents / Resources

[LoliTrack LoliTrack 5 Video Tracking and Behavior Analysis Software](#) [pdf] User Guide
LoliTrack 5 Video Tracking and Behavior Analysis Software, LoliTrack 5, Video Tracking and Behavior Analysis Software, Tracking and Behavior Analysis Software, Behavior Analysis Software, Analysis Software

References

- 🌀 **[loligosystems.com](#)**
- **[User Manual](#)**