

EthoVision

Automated behavior tracking for fish

From simple tests to complex setups, EthoVision is the one system that scales with your goals.

NOLDUS

www.noldus.com

Enhance your research

EthoVision is at the core of your lab. Explore the various benefits that are gained with this solution.



Obtain rich data

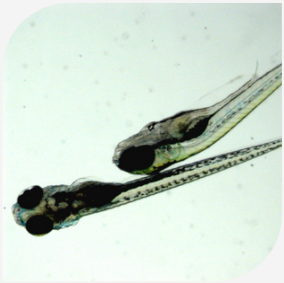
Consistently high-quality data with minimal errors is essential for obtaining useful insights. EthoVision gives you quality data through:

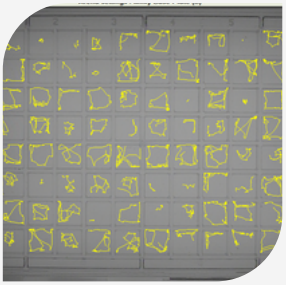
- Rich feature collection of swimming patterns and position
- Accurate data with minimal noise

Versatile tracking

Whether you are using larvae or adult models, EthoVision can track fish in any arena across the animals' lifespan.

- Both top down and side-view tracking
- Easy to use templates to get started





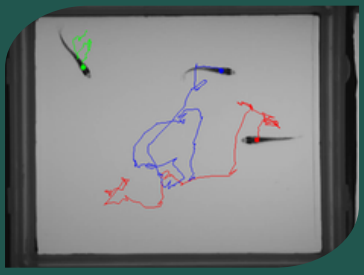
High throughput testing

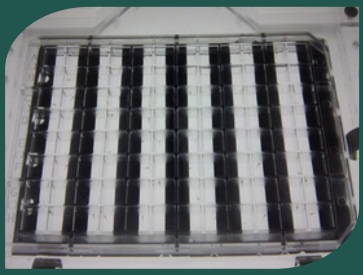
EthoVision allows for simultaneous tracking in up to 96-wellplate arrays. This allows for large-scale screening assays.

- Decrease variability and increase quality
- Standardized setup across your entire experiment

EthoVision Applications

Ethovision has been used for a variety of (zebra)fish research applications. Here are some examples.



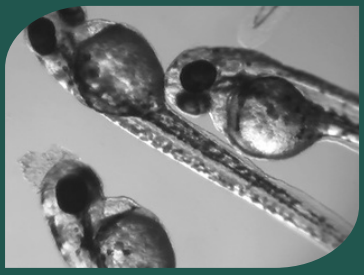


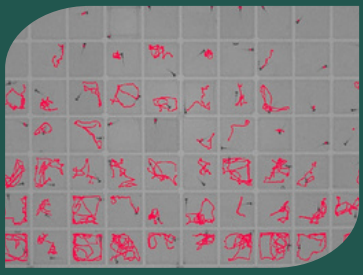
Social interaction

- Determine shoal behavior
- In depth social metrics
- Track multiple fish simultaneously

Fear & Anxiety

- Light-dark response shift
- Freezing or erratic movement
- Thigmotaxis & zone preference



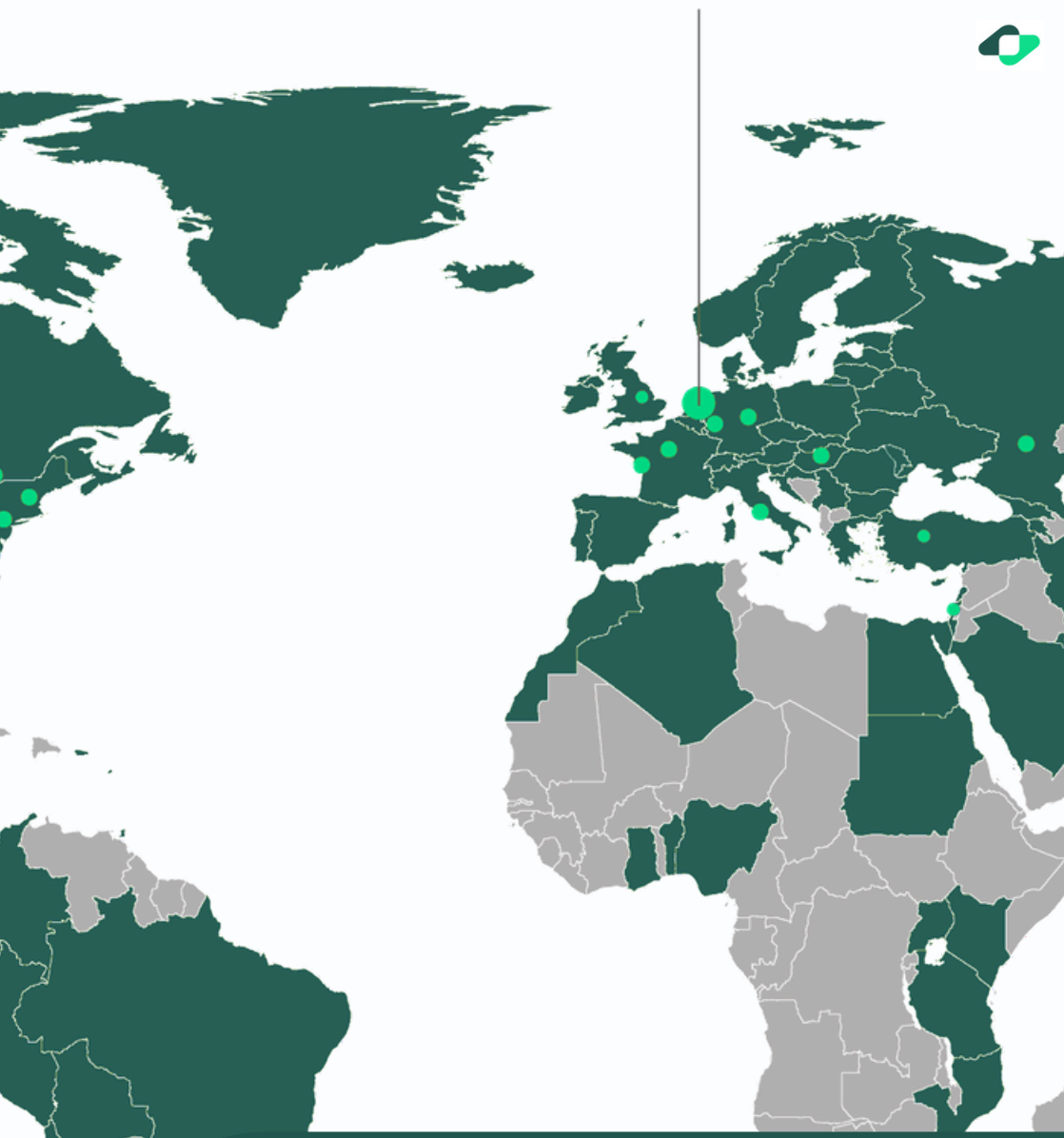


(Exo)-Toxicology

- Integrated sensory-motor tests
- High-throughput screening of toxic compounds
- Spontaneous locomotor activity

Neuroscience models

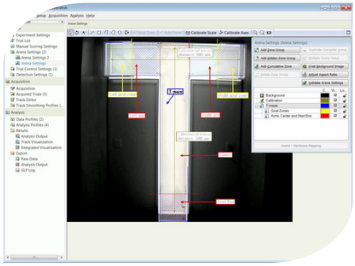
- Translational relevant data
- Track phenotypes across disease models
- Track development and locomotion longitudinally



Validated, trustworthy and reliable

When you are using EthoVision you are not just using a simple tracker, you are using the most used and published animal tracking software.

A validated and trusted system makes it easier to publish and gives your research credibility.



The EthoVision Workflow

Having an easy-to-use software package is essential for a smooth pipeline. Luckily, many aspects of EthoVision make it user friendly but complex for those who need it.

Data in 5 easy steps

1) Set up your research pipeline
You can start with a premade template or with your own setup.

2) Align your detection settings
A good environment combined with the right detection settings are critical for getting the most out of your tests.

3) Acquisition, ready while you wait
With EthoVision you can choose live acquisition or batch acquire from recorded video data in a fraction of the time.

"The tracking software is extraordinary! You make our lives easy and each new version of EthoVision is testimony to the fact that the company is frankly put; the best at its game in the world!" – De Wet Wolmarans

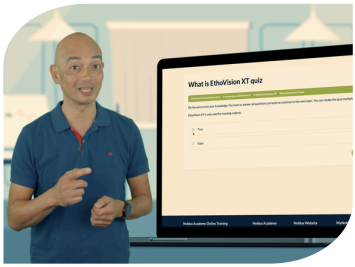
4) Publish ready visual results
Easily create and export a variety of graphs, heatmaps and track visualizations ready to be incorporated into your publication.

5) Always acces to your data
EthoVision is not a black box. This means you can always see and control every aspect of your experiment.

Get started with Noldus Academy

Feel assured everyone on your team knows how to use EthoVision. Noldus Academy is our online learning platform, packed with resources that allows you to get the best start for your research.

- Onboarding training for new and existing staff
- Frequent online Q&A sessions with our trainers
- Make your team more efficient and save time and money.



Continue exploring

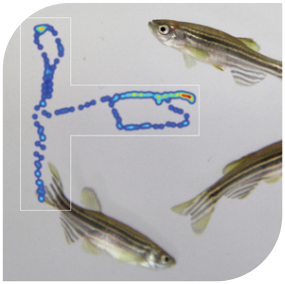
Read and watch more about how EthoVision works in action?



Find us at the Gerlai lab

Meet Dr. Robert Gerlai, an expert in the field of zebrafish research. See how he uses EthoVision to teach.

View ->



EthoVision tips and tricks

A good preparation is worth a lot. Learn some essential tips on how to use EthoVision in this webinar.

View ->



Discover fish protocols

Do you need a quick refresher on the different life stages, commonly used applications or housing and handling tips? Then, check out this e-book.

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