

DanioVision™ is an innovative system designed for the high-throughput video tracking of zebrafish larvae and the study of other small organisms.

ALL IN ONE

The DanioVision system includes:

- The DanioVision Observation Chamber, including:
 - an infrared (IR) backlit plate holder for multi-well plates, petri dishes, and other containers;
 - a GigE digital IR-sensitive camera for recording up to 60 frames per second;
 - and a white light source which you can control with the EthoVision XT software.
- EthoVision XT software installed on a class-A computer.
- The Temperature Control Unit (optional).
- The Tapping Device (optional).

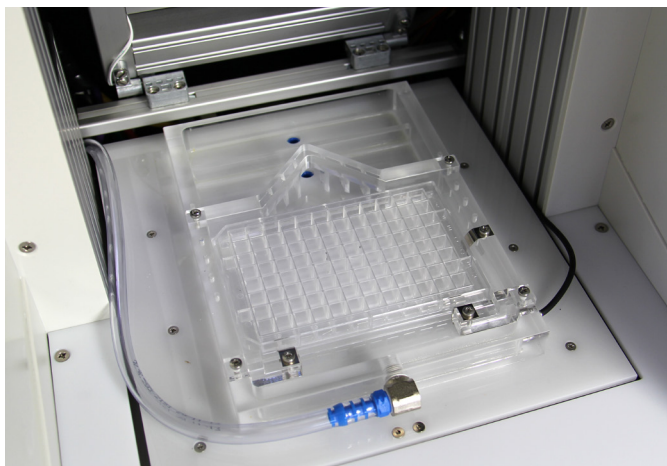
WHY CHOOSE DANIOVISION?

- Sturdy and high quality Observation Chamber.
- Completely controlled environment for tracking of zebrafish larvae.
- Easy to use and to adapt to your research, flexible and expandable.
- High quality equipment, high speed and high resolution digital camera.
- Based on renowned video tracking and analysis software EthoVision XT.

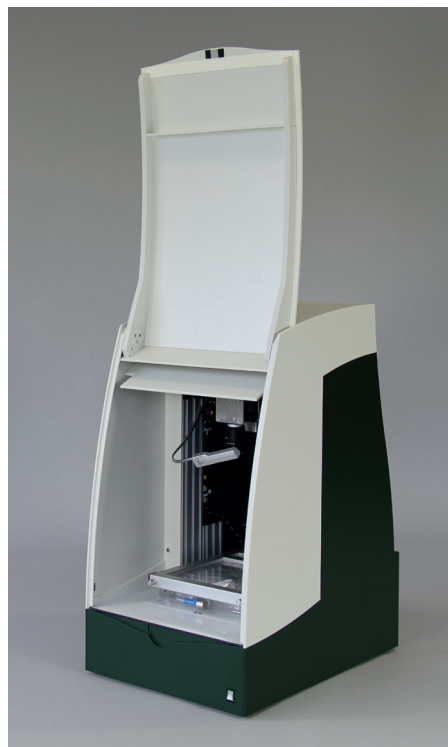
POWERED BY ETHOVISION XT

DanioVision is powered by EthoVision XT, the market leader in video tracking and analysis software. Over 2000 sites worldwide use it in their lab – it is the driving force of many zebrafish studies.

For a list of publications, please visit www.noldus.com/ethovision



The basin is suitable for well plates, petri dishes, and other small containers.



The new DanioVision Observation Chamber has a large opening for easy access and provides room for additional equipment.

NEW OBSERVATION CHAMBER

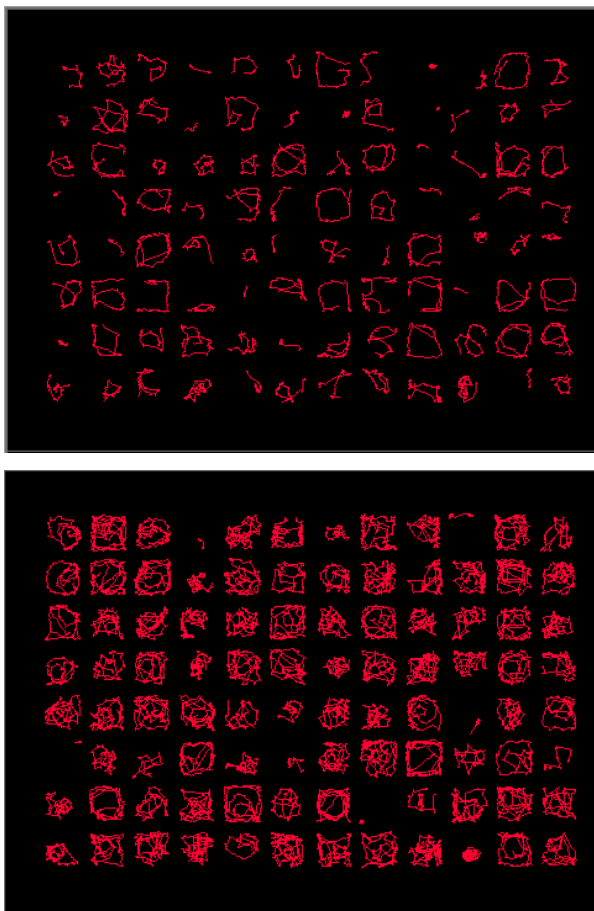
DanioVision has a newly designed Observation Chamber, larger and with a wider opening so you can place your animals and get to the equipment (stimuli, the camera) inside easily. The basin has been improved to fit a wide range of well-plates, petri dishes, and other containers.

For studies in multi-well plates, a special lens is placed above the plate for a perfect view into all wells without distortion. For studies that do not need this lens (e.g. in petri dishes), it can be put into a vertical position, out of view of the camera.

IMPROVED WHITE LIGHT STIMULUS

There are two stimuli available in the new DanioVision. The white light built into the Observation Chamber now has a wider range of variability for a smooth transition between light and dark. Of course, this white light can

also be used for a pulse of light (light flash) to evoke a startle response. With EthoVision XT, different settings can be chosen.



Example of zebrafish larvae activity plots in bright white light phase (top) and dim light phase (bottom).

NEW SOUND/VIBRATION STIMULUS

The Tapping Device is a new add-on to DanioVision. With this device built-into the new Observation Chamber, discrete taps can be produced against the basin holding the well plate. You can set the force at 8 different levels and define the number of taps per time period with EthoVision XT. The sound and vibration caused by the Tapping Device is conducted via the water in the wells and can be used to evoke a startle response in the animal(s).

ADD ADDITIONAL HARDWARE

The new design of DanioVision makes it easy to incorporate additional hardware (custom or third-party), and the extra TTL lines provide a way for you to connect them to and control them with EthoVision XT.

NEW HIGH-SPEED CAMERA

DanioVision is updated with the latest camera technology: a high-speed IR-sensitive digital GigE camera. It is more light-sensitive than its predecessor, providing the perfect resolution for tracking. You can set the resolution and frame rate to match your experiment. Optionally, the DanioVision Observation Chamber can be customized with another camera or lens to find an optimal solution for your research.

The new DanioVision is expected for release in the summer of 2014.

30% DISCOUNT

Trade in your old DanioVision Observation Chamber and get a 30% discount on a new one!

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We are also represented by a worldwide network of distributors and regional offices. Visit our website for contact information.

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