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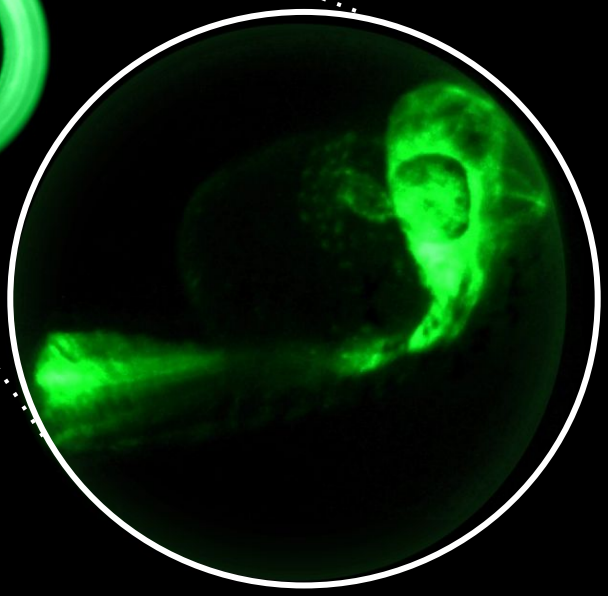
See What You're Missing.

Free yourself from the constraints of traditional microscopy by imaging an entire plate instantaneously.



MCAM ™

Kestrel

Inspired by the workflows biologists use every day, the **MCAM™ Kestrel** perfectly echoes the architecture of multi-well plates. Powered by Ramona's **Multi-Camera Array Microscope™** technology, it revolutionizes model organism research by simultaneously imaging all wells in 24, 48, or 96-well plates at 24X higher throughput than competing systems.

Imagine capturing an enormous field of visual data in a matter of seconds, at microscopic resolution — no information lost, less time in the lab. This is the **MCAM™ Kestrel**. Modular and simple to use, it operates in two powerful modes: **Behavior Mode** for high-speed behavioral analysis, and **Screening Mode** for comprehensive fluorescence imaging. By dramatically increasing throughput and data quality, the **MCAM™ Kestrel** transforms multi-well assays, enabling scientists to accelerate discoveries and push the boundaries of biological research.

High-Resolution Imaging
Our arrayed architecture allows for high-resolution or high-speed capture of imaging data over an extremely large field of view instantly.

User-Friendly Interface
High-quality, synchronous data capture and integrated protocols allow for confident execution of imaging assays, ensuring uniform and reliable results.

Advanced Software
Our refined software provides quick and easy solutions for tracking behavior, identifying key features, and quantifying activity.

Each MCAM™ Kestrel includes a synchronized sensor array, powerful processor, and intuitive software for seamless experimental design and analysis — all in a compact benchtop microscope.

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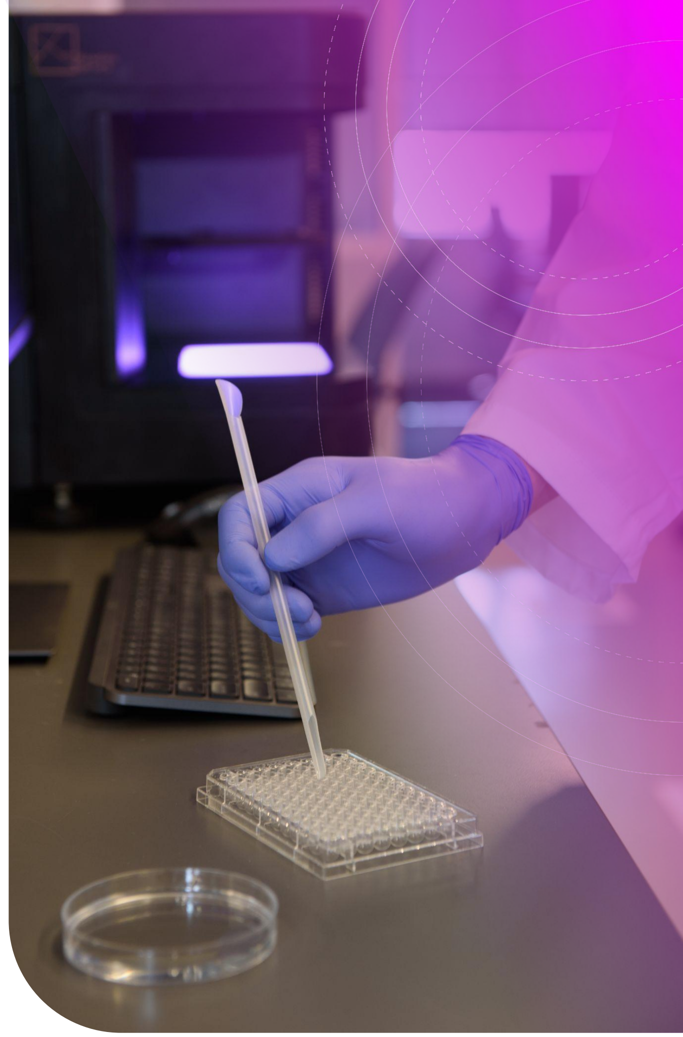
MCAM ™
Kestrel

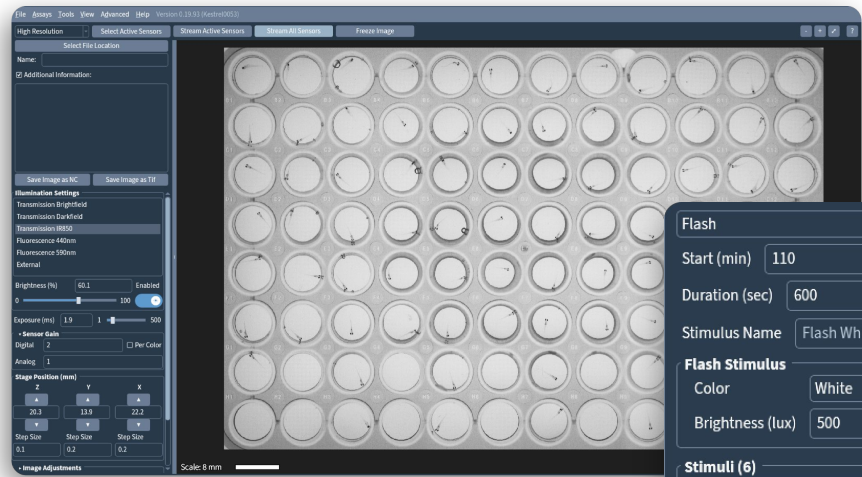
Multi-Camera Array Microscope ™

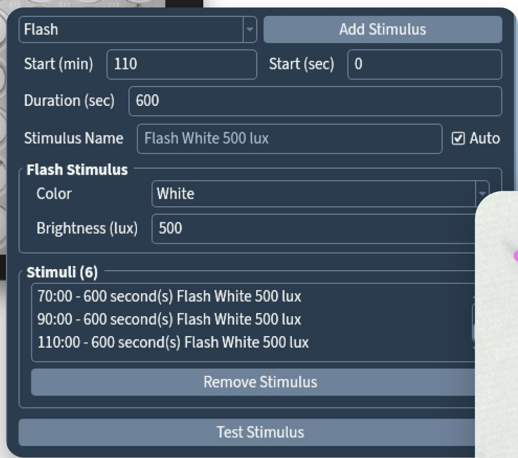
Behavior Mode
The MCAM™ Kestrel's Behavior Mode is designed to simultaneously observe all wells of a standard well plate with 24X higher spatial and temporal resolution than leading competitors. This modality enables rapid quantification of detailed locomotion kinematics and gross morphology with customized high-speed analysis software.

Screening Mode
In Screening Mode, the MCAM™ Kestrel delivers comprehensive fluorescence imaging across entire well-plates. This modality performs parallelized functional fluorescence or brightfield image assays at cellular resolution and is optimized for machine-learning and downstream analysis tools.



Our MCAM ™ Kestrel works with 24, 48, and 96 well plates.





Unleash the full potential of your research with Ramona's cutting-edge software. Ensure reproducibility across workflows with metadata logs, easily incorporate the MCAM™ Kestrel with other lab equipment through open API, and take control with simple UI/UX.

Trusted By

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