



# MICRON<sup>®</sup>

## MICRON Software Suite

On the web: [phoenixmicron.com](http://phoenixmicron.com)

Email us at: [sales@phoenixmicron.com](mailto:sales@phoenixmicron.com)

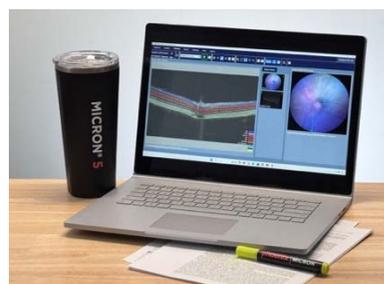
### MICRON Software Suite (MSS)

streamlines the small animal ophthalmic imaging workflow, and helps you capture even more valuable data. Use a single application, with an intuitive user experience, to capture, review, annotate, and export images and data.



### Highlights:

- **Single Application:** See the live camera view, adjust exposure and focus, select filters, and capture images, videos, and OCT scans. Works with multiple modalities (fundus, OCT, laser, slit lamp).
- **Add Tags:** Add user defined data tags to subject animals, imaging sessions, and images, where the tags become structured metadata in exports for improved correlation and regression analysis
- **Segment OCT:** Use built-in Ai/ML algorithms, trained on rodent retinas, to speed OCT segmentation, without launching a separate application
- **Share Across Labs:** Easily share one MICRON system with multiple labs, including grouping subject animal and experiment data by lab
- **Review Station:** Copy images and data to the MICRON Software Suite -Review Station edition (sold separately) to perform all the review and export operations of MSS on your laptop or workstation, away from the lab

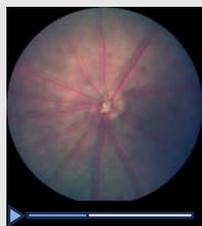




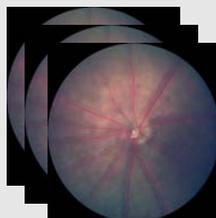
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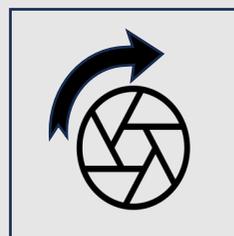
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Capture high-resolution still images and videos with real-time fundus viewing



Extract still images from videos for detailed analysis



Adjust aperture to control depth of field, for imaging of tumors or lesions

## More Features:

- **Capture Animal Details:** Simplify data capture with integrated animal subject data management
- **Presets:** Save camera settings to quickly setup for imaging tasks, including focus, exposure settings, and filter selections
- **Auto-focus and auto-illumination:** Let the software quickly adjust focus and illumination to speed image capture
- **Image and Data Management:** Eliminate the need to manage folders of images on the Windows file system.
- **Record Settings:** Automatically capture system settings with each image (on MICRON 5), such as focus, illumination, and filters, to improve analysis and experiment repeatability
- **Review Images and Data:** Use advanced image review features to extract frames from videos, create side-by-side image comparisons, and save zoomed views of images





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### Supports Fundus Imaging and a Wide Range of Add-on Modalities, Including:



**Image-Guided OCT2**



**Image-Guided Laser**



**Image-Guided Focal ERG**



**Slit Lamp**

**1000**

Published papers that incorporate MICRON data

**15+**

Years of experience innovating patented small animal imaging technology

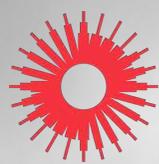
**1**

Integrated multi-modality system

**8**

Imaging modalities, designed for exacting small animal ophthalmic research





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### Specifications

#### MICRON Software Suite Editions:

- Camera Edition – Operates on the MICRON Control Unit and includes acquire, review, and export features
- Review Station Edition – Operates on a compatible Windows computer, and includes review and export features

#### Supported Cameras – MICRON Software Suite works with:

- MICRON 5 or
- MICRON IV purchased after November 2021

#### Supported Modalities:

- Image-Guided OCT2
- Image-Guided Laser
- Anterior Segment Imaging System (slit lamp)
- Includes support for MICRON 5 machine readable filters

#### Computer Requirements:

- Camera Edition: Pre-installed on the MICRON Control Unit (MCU)
- Review Station Edition:
  - Resolution: 1920 x 1080 (Full HD)
  - CPU: Intel Core i5 (12th generation) or newer
  - RAM: 8 GB
  - HD Space: 250 GB
  - Graphics NVIDIA GeForce graphics card

**Operating System:** Windows 10 or Windows 11

**User access:** Multiple logins and role-based security can be enabled, including enforcing strong passwords and a separate administrator role

**Audit:** Includes built-in security audit log for improved IT compliance

**Image File Format:** Export in TIF or JPEG

**Data format:** Can export images with or without accompanying CSV file of data, including system and user generated tags

**Data and Image Export Control:** can enable or disable export to removable media. Can optionally connect to an internal network for export to a shared folder.

**Data Storage:** Data is stored in a local SQL database. Images and videos are stored anonymized in the Windows file system.

**Internet Connection:** Not required

